Ministry of Environment
Forest and Climate Change

सत्यमेव जयते

ZOOLOGICAL SURVEY OF INDIA 1916

# Animal Discoveries 2017

## New Species and New Records

**Government of India**
**Ministry of Environment, Forest and Climate Change**
**ZOOLOGICAL SURVEY OF INDIA**
**5th June, 2018**

Sea Grass  Ecosystem

# Animal Discoveries 2017 — A Summary

The Animal Discoveries during the year 2017 has been compiled with 300 new species and 174 new records from India. The new species comprise 241 species of invertebrates and 59 species of vertebrates. Among invertebrates, Insect predominates with 130 species followed by Arachnida with 33 species. Among vertebrates, 27 new species of Fishes, 18 species of Amphibia and 12 species of Reptilia have been discovered.

## 300 Species of Animals new to science from India

- 11 species of Protista
- 7 species of Cnidaria
- 20 species of Platyhelminthes
- 8 species of Nematoda
- 5 species of Annelida
- 33 species of Arachnida
- 22 species of Crustacea
- 5 species of Collembola
- 130 species of Insecta
- 2 species of Urochordata
- 27 species of Pisces
- 18 species of Amphibia
- 12 species of Reptilia

## 174 Species of Animals new records from India

- 4 species of Protozoa
- 25 species of Cnidaria
- 2 species of Platyhelminthes
- 27 species of Nematoda
- 13 species of Arachnida
- 17 species of Crustacea
- 45 species of Insecta
- 16 species of Mollusca
- 1 species of Echinodermata
- 10 species of Urochordata
- 13 species of Pisces
- 1 species of Amphibia

Animal Discoveries 2017



**Compiled by**

Kailash Chandra, Director
Sheela S., Scientist D

Note: Some of the photographs and figures used in this publication are reproduced from original sources. We thankfully acknowledge those authors and the journals in which these are published.

**Published by**

The Director
Zoological Survey of India
Ministry of Environment, Forest and Climate Change
M-Block, New Alipore, Kolkata - 700 053
Website : zsi.gov.in
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Cover Photo : ***Fejervarya goemchi*** Dinesh, Kulkarni, Swamy and Deepak, 2017

Printed at Calcutta Repro Graphics, Kolkata - 700 006

डॉ. हर्ष वर्धन
**Dr. Harsh Vardhan**

सत्यमेव जयते

भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्री
GOVERNMENT OF INDIA
MINISTER OF ENVIRONMENT, FOREST &
CLIMATE CHANGE

# MESSAGE

Biodiversity is fundamental for the survival and development of human civilization. It is the diversity within species, between species, and of ecosystems which are crucial for poverty alleviation and development. Economic Prosperity and Power cannot be attained until we secure a healthy life for our next generations, who will continue our legacy. The Prime Minister of India, made a strong pitch on climate change at the Global Economic Forum in Davos, calling it the "first challenge" facing civilization.

This is the time, that we as a Nation, collectively execute our fundamental duty of protecting our forests, wildlife and natural heritage, slowly creeping towards a greener world. Hence, it is extremely important to document new animal species which is essential for quality assurance in biological and ecosystem sciences and natural resource management.

The Zoological Survey of India, a premier taxonomic research institution under the Ministry of Environment, Forest and Climate Change, has been serving the Nation since its inception in 1916. I congratulate the strenuous efforts taken by the Scientists and Scientific staff of ZSI's HQ office and its regional centres, for exploring the vast diversity of the country in its entire length and breadth.

I am indeed happy to know about the efforts taken by the Director and his team of Scientists in ZSI for bringing out this annual publication: Animal Discoveries which highlights the new additions to our country's rich faunal diversity. The document 'Animal Discoveries 2017' highlights 300 species which are new to science described by Scientists of ZSI and other institutions throughout the country. This document also highlights 174 species that have been reported for the first time from India. I congratulate the Director ZSI and his dedicated team of Scientists for their commendable job of highlighting new species and new records of various fauna from across the country.

**(Dr. Harsh Vardhan)**

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Dr. Mahesh Sharma

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भारत सरकार
MINISTRY OF STATE (I/C) OF CULTURE
MINISTRY OF STATE FOR
ENVIRONMENT, FOREST & CLIMATE CHANGE
GOVERNMENT OF INDIA

# MESSAGE

Every organism is interdependent and needs a physical environment to exist. It is imperative to recognize the living beings around us, as we human beings, occupy the position of consumers in the food web, and are completely dependent on everything around us. Human demands and developmental activities are detrimental to the existence of other organisms and our environment. We never even bother to recognise the natural resources around us, without which we cannot even exist.

Zoological Survey of India, a premier institution under the Ministry of Environment, Forest and Climate Change, is performing a commendable job by exploring the faunal diversity of our country. It gives me immense pleasure to know that Zoological Survey of India is publishing 'Animal Discoveries' from India depicting the new species and new records of the species added to our country. This publication, on one hand, gives an idea on the hidden faunal wealth of the Nation at a glimpse; on the other hand, it is a ready reference for researchers to further analyse the gap areas and scope for further exploration and its possibilities in the applied aspects.

I congratulate the Director, Zoological Survey of India, and his team of scientists, for their untiring efforts in documenting the fauna of our country for the welfare of the generations to come.

(Dr. Mahesh Sharma)

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सी.के. मिश्रा
C.K. Mishra

सत्यमेव जयते

सचिव
भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
SECRETARY
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

# MESSAGE

Our cultural heritage, traditional knowledge and natural resources are our nation's proud possessions, which probably no other country can boast of. Our natural resources contribute to the rich biodiversity of the country. Being one of the Mega-diversity countries, India beholds 7% of the world's biodiversity. Biodiversity is the existence of a wide variety of plant and animal species in their natural environment. It is also an important source of a wide range of ecosystem services, as well as well as social, economic, scientific education and aesthetic value which meet our nation's expectations for sustainable development. Hence, there is an urgent need for the documentation and knowledge on faunal diversity which is essential to promote and enhance the ecosystem functions for well-being of mankind.

I an pleased to know that Zoological Survey of India (ZSI) has been publishing *'Animal Discoveries'* and updating the current status of Indian faunal diversity, every year. During 2017, scientists of ZSI and other institutions of our country as well as researchers all over the world have discovered 300 new species of fauna ranging from protozoa to mammals from India. Moreover, 174 animal species have been recorded for the first time from India.

I congratulate the Director, ZSI and his team of scientists for meticulously publishing the book on '*Animal Discoveries*' every year. I am sure that the present publication will enhance our knowledge on faunal resources of India.

Date : 25th May, 1018
Place: Delhi

**(C.K. Mishra)**

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डॉ कैलाश चन्द्र
निदेशक
Dr Kailash Chandra
Director

सत्यमेव जयते

भारत सरकार
**भारतीय प्राणि सर्वेक्षण**
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Government of India
Zoological Survey of India
Ministry of Environment, Forest and Climate Change

## PREFACE

India is one of the mega diversity countries in the world, due to its unique bio geographical location, diversified climatic conditions and enormous eco-diversity. With mere 2.4% of the landmass, India holds about 7% of the total species in the world. Zoological Survey of India (ZSI), a premier research institution under the Ministry of Environment, Forest and Climate Change, Government of India; is committed to the task of conducting faunistic explorations and collection of faunal samples and data from diverse biogeographic zones and ecosystems including the Protected Reserves of the country. ZSI explores Protozoa to Mammalia, from sea to mountains housing more than 5 million specimens, with 18,000 Type specimens in the National Zoological Collections.

The annual publication 'Animal Discoveries' indicates ZSI's commitment towards promotion of research in Animal Diversity of India. 'Animal Discoveries' published by ZSI every year reveals fascinating newly discovered species from locations across the country, documented by the scientists of ZSI and various research organizations in the country and abroad. This year, too altogether 300 new species have been described from all over the country, of which 104 species have been described by the Scientists of ZSI. The discovery of a new fossil reptilian species is the highlight of the year. Even though the species, *Shringasaurus indicus* Sengupta, Ezcurra and Bandyopadhyay was described based on the fossil remains, excavated from Madhya Pradesh, it remain as a milestone in the history of Indian Biodiversity, as it depicts the existence of a dinosaur species. This document also highlights 174 species that have been reported for the first time from India, out of which 72 have been discovered by the ZSI scientists.

I congratulate all the scientists who contributed towards the compilation of this volume of 'Animal Discoveries 2017' and hope, like previous years this series too will immensely help in advancement of our knowledge on biodiversity documentation and creating awareness among a wide range of audience.

Kolkata

(Kailash Chandra)

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# FAUNAL DIVERSITY IN INDIA : A PROFILE

In the field of Animal Taxonomy in India, Zoological Survey of India is the leading institution with its history goes back to 1st July 1916. The explorations and the collections of ZSI speaks in volumes through its publications which gives the basic profile on India's biodiversity. So far ZSI has discovered about five thousand of new Species and hosts a collection of more than five million faunal exhibits, in its HQ at Kolkata and its sixteen regional centres all over India.

ZSI is one of the designated type repositories of the country having a collection of around 18000 type specimens. All those collections and publications remain as the most important reference materials for the researchers through out the world.

Animal Discoveries 2017 shows that in the year 2017, a total of 300 species have been described new to science from India, including 104 species described by the scientists of ZSI. This year also, as in the past years, invertebrates predominate among the new species over the vertebrates (241: 59). Among vertebrates, fishes have the majority with 27 new species followed by Amphibians (18) and Reptiles (12). Majority of invertebrates described in the year belongs to insects (130). Other invertebrates are 33 Arachnids, 22 Crustacea, 8 Nematoda, 20 Platyhelminthes, 7 Cnidaria and 11 Protista. The discovery of a new fossil Reptilian species is the highlight of the year.

## Number of Animal Species known from India (Updated: December, 2017)

| Kingdom | Phylum | Number of Species | | % |
|---|---|---|---|---|
| | | World (ZSI 2016) | India | |
| **Protista** | | **36,400** | **3525** | **9.68** |
| Animalia | **Phylum Mesozoa** | **122** | **10** | **8.19** |
| | **Phylum Porifera** | **8,838** | **545** | **6.16** |
| | **Phylum Cnideria** | **11,522** | **1428** | **12.39** |
| | **Phylum Ctenophora** | **199** | **19** | **9.54** |
| | **Phylum Platyhelminthes** | **29,487** | **1760** | **5.96** |
| | **Phylum Rotifera** | **2,049** | **466** | **22.74** |
| | **Phylum Gastrotricha** | **828** | **162** | **19.56** |
| | **Phylum Kinorhyncha** | **196** | **10** | **5.10** |
| | **Phylum Nematoda** | **25,033** | **2949** | **11.78** |
| | **Phylum Acanthocephala** | **1,330** | **301** | **22.63** |
| | **Phylum Sipuncula** | **156** | **41** | **26.28** |
| | **Phylum Echiura** | **198** | **47** | **23.73** |
| | **Phylum Annelida** | **17,388** | **1029** | **5.91** |
| | **Phylum Onychophora** | **183** | **1** | **0.54** |
| | **Phylum Arthropoda** | **12,57,040** | **75793** | **6.02** |
| | Subphylum Chelicerata | 1,13,773 | 5991 | 5.26 |
| | Class Arachnida | 1,12,442 | 5953 | 5.29 |
| | Class Merostomata | 4 | 2 | 50.00 |
| | Class Pycnogonidia | 1,335 | 36 | 2.69 |
| | Subphylum Crustacea | 67,735 | 3835 | 5.66 |
| | Subphylum Hexapoda | 10,63,533 | 65589 | 6.16 |
| | Class Collembola | 8,162 | 329 | 4.03 |
| | Class Diplura | 975 | 18 | 1.84 |
| | Class Protura | 816 | 20 | 2.45 |
| | Class Insecta | 10,53,578 | 65222 | 6.19 |
| | Subphylum Myriapoda | 11,999 | 378 | 3.15 |
| | Class Chilopoda | 3,112 | 101 | 3.24 |
| | Class Diplopoda | 7,837 | 270 | 3.44 |
| | Class Symphyla | 204 | 7 | 3.43 |
| | **Phylum Phoronida** | **16** | **3** | **18.75** |
| | **Phylum Bryozoa (Ectoprocta)** | **6186** | **327** | **5.28** |
| | **Phylum Entoprocta** | **186** | **10** | **5.37** |
| | **Phylum Brachiopoda** | **392** | **8** | **2.04** |
| | **Phylum Chaetognatha** | **170** | **44** | **25.88** |
| | **Phylum Tardigrada** | **1,167** | **30** | **2.57** |
| | **Phylum Mollusca** | **84,978** | **5205** | **6.12** |
| | **Phylum Nemertea** | **1,368** | **6** | **0.43** |
| | **Phylum Echinodermata** | **7,550** | **778** | **10.30** |
| | **Phylum Hemichordata** | **139** | **14** | **10.07** |
| | **Phylum Chordata** | **71,526** | **6656** | **9.30** |
| | Subphylum Cephalochordata | 33 | 6 | 18.18 |
| | Subphylum Urochordata | 2,804 | 528 | 18.83 |
| | Subphylum Vertebrata (Craniata) | 68,689 | 6122 | 8.91 |
| | Class Pisces | 34,362 | 3364 | 9.78 |
| | Class Amphibia | 7,667 | 407 | 5.30 |
| | Class Reptilia | 10,450 | 584 | 5.58 |
| | Class Aves | 10,357 | 1340 | 12.93 |
| | Class Mammalia | 5,853 | 427 | 7.29 |
| | **Total (Animalia)** | **15,29,953** | **97642** | **6.38** |
| **Grand Total (Protista + Animalia)** | | **1566353** | **101167** | **6.45** |

# NEW SPECIES

## ELEVEN NEW SPECIES OF PROTISTA

Phylum CILIOPHORA

Order Mobilida

Family TRICHODINIDAE

Genus ***Dipartiella*** (Raabe, 1959) Stein 1961

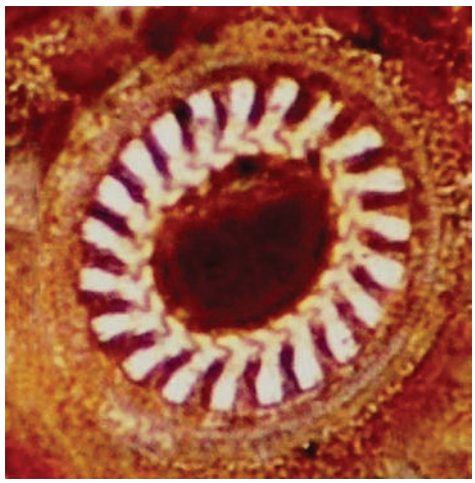
1. ***Dipartiella carassii*** Saha and Bandyopadhyay *Journal of Parasitic Diseases*, **41**(4): 940-946, 2017.

The species *Dipartiella carassii* was described by Mandira Saha and Probir. K. Bandyopadhyay, based on a Holotype and six Paratypes collected from ornamental fish farms of West Bengal: Haringhata, Nadia (23.4710°N and 88.5565°E). The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*carassii*" has been given after the name of the genus of host fish.

***Dipartiella carassii*** Saha and Bandyopadhyay

2. ***Dipartiella indiana*** Saha and Bandyopadhyay *Journal of Parasitic Diseases*, **41**(4): 940-946, 2017.

The species *Dipartiella indiana* was described by Mandira Saha and Probir. K. Bandyopadhyay, based on a Holotype and six Paratypes collected from ornamental fish farms of West Bengal: Haringhata, Nadia (23.4710°N and 88.5565°E). The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*indiana*" has been given after the name of the country India.

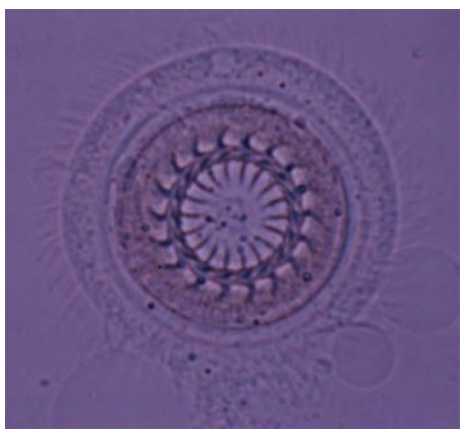


***Dipartiella indiana*** Saha and Bandyopadhyay

Genus ***Trichodina*** Ehrenberg, 1831

3. ***Trichodina cirhinii*** Fariya, Abidi and Chauhan *Journal of Biological Sciences and Medicine*, **3**(1): 10-17, 2017.

The species *Trichodina cirhinii* was described by Fariya et.al, based on a Holotype collected from Uttar Pradesh, Lucknow, riverside of Gomti (26°52'24.27"N and 80°54'55.77"E). The species was found infecting the native fresh water fish, *Cirrhinus mrigala* Hamilton. The species was named after the host fish.



***Trichodina cirhinii*** Fariya, Abidi and Chauhan

Genus ***Trichodina*** Ehrenberg, 1831

4. ***Trichodina indiana*** Saha and Bandyopadhyay *Proceedings of Zoological Society,* 2017: 1-11.

The species *Trichodina indiana* was described by Mandira Saha and Probir. K. Bandyopadhyay, from ornamental fish farms of West Bengal. The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal.

5. ***Trichodina manjuae*** Saha and Bandyopadhyay *Proceedings of Zoological Society,* 2017: 1-11.

The species *Trichodina manjuae* was described by Mandira Saha and Probir.K.Bandyopadhyay, from ornamental fish farms of West Bengal. The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal.

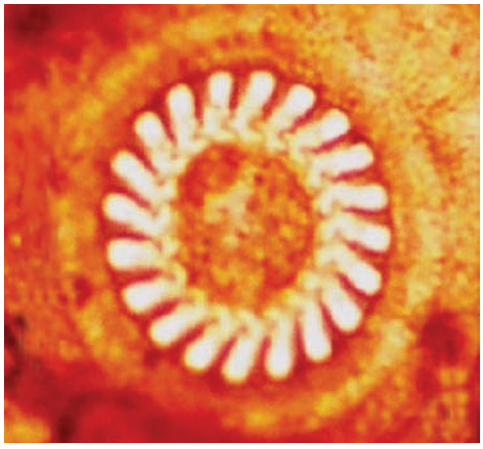
6. ***Trichodina vinodi*** Saha and Bandyopadhyay *Proceedings of Zoological Society,* 2017: 1-11.

The species *Trichodina vinodi* was described by Mandira Saha and Probir.K.Bandyopadhyay, from ornamental fish farms of West Bengal. The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal.

Genus ***Trichodinella*** (Raabe, 1950) Sramek-Husek, 1953

7. ***Trichodinella bengalensis*** Saha and Bandyopadhyay *Proceedings of the Zoological Society*, 2017: 1-8.

The species *Trichodinella bengalensis* was described by Mandira Saha and Probir. K. Bandyopadhyay, from ornamental fish farms of West Bengal: Howrah (22.5958°N and 88.2636°E). The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*bengalensis*" is given after the name of the state: West Bengal.



***Trichodinella bengalensis*** Saha and Bandyopadhyay

8. ***Trichodinella rectangulata*** Saha and Bandyopadhyay *Proceedings of the Zoological Society*, 2017: 1-8.

The species *Trichodinella rectangulata* was described by Mandira Saha and Probir.K.Bandyopadhyay, from ornamental fish farms of West Bengal: Diamond Harbour, South 24-Parganas (22.1352°N and 88.4016°E). The species was found infecting Goldfish, *Carassius auratus* Linn. The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*rectangulata*" denotes the rectangular blades of the species.

***Trichodinella rectangulata*** Saha and Bandyopadhyay

Phylum APICOMPLEXA

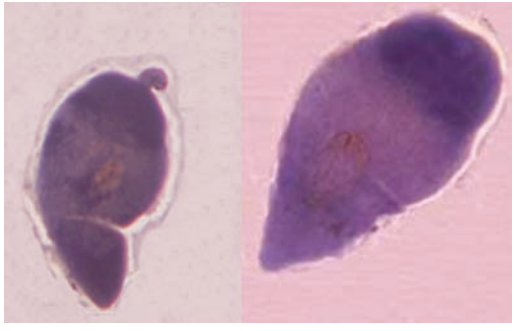
Order EUGREGARINORIDA

Family ACTINOCEPHALIDAE

Genus ***Quadruspinospora*** Sarkar and Chakravarty, 1969

9. ***Quadruspinospora oxyae*** Yumnam and Mohilal *Journal of Parasitic Diseases,* **41**(2): 313-317, 2017.

The species *Quadruspinospora oxyae* was described by Indira Yumnam and N. Mohilal from Manipur: Canchipur, Imphal-west. The species was isolated from the intestine of a Grasshopper (*Oxya hyla hyla* Serville). The type specimen has been deposited in the Protozoan Collection of Parasitology Section, Centre of Advanced Studies in Life Sciences, Manipur University, Canchipur. The species has been named after the type host.



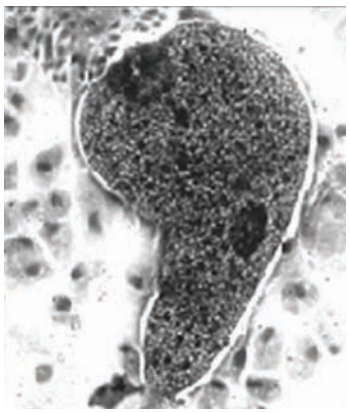
***Quadruspinospora oxyae*** Yumnam and Mohilal

Family MONOCYSTIDAE

Genus ***Monocystis*** Stein, 1848

10. ***Monocystis julkae*** Bhowmik and Bandyopadhyay *Journal of Parasitic Diseases,* **41**(2): 112-116, 2017.

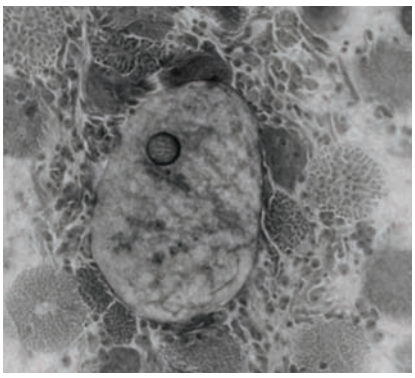
The species *Monocystis julkae* was described by Biplab Bhowmik and Probir. K. Bandyopadhyay based on a Holotype and two Paratypes collected from West Bengal: Malda (25°6'N and 88°6'E). The species was found from the seminal vesicle of Indian Earthworm *Eutyphoeus kherai* Julka. The type specimens have been deposited in the Museum of the Department of Zoology, University of Kalyani, West Bengal.



***Monocystis julkae*** Bhowmik and Bandyopadhyay

11. ***Monocystis kuidongae*** Mallik and Bandyopadhyay *Journal of Parasitic Diseases,* **41**(2): 361-363, 2017.

The species *Monocystis kuidongae* was described by Partha Mallik and Probir K. Bandyopadhyay based on a Holotype and two Paratypes collected from West Bengal: Midnapur town (22°15'N and 87°39'E). The species was found from the seminal vesicle of Indian Earthworm *Perionyx excavatus* Perrier. The type specimens have been deposited in the Museum of the Department of Zoology, University of Kalyani, West Bengal. The species has been named after the eminent Proto - Zoologist Prof. Kuidong XU.



***Monocystis kuidongae*** Mallik and Bandyopadhyay

## SEVEN NEW SPECIES OF CNIDARIA

Phylum CNIDARIA

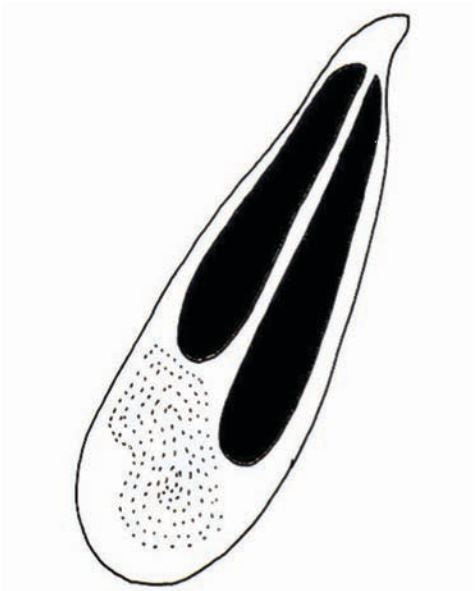
Order BIVALVULIDA

Family MYXOBOLIDAE

Genus ***Myxobolus*** Butschli, 1882

1. ***Myxobolus elongatum*** Ghosh and Bandyopadhyay *Journal of Parasitic Diseases,* **41**(1): 155-166, 2017.

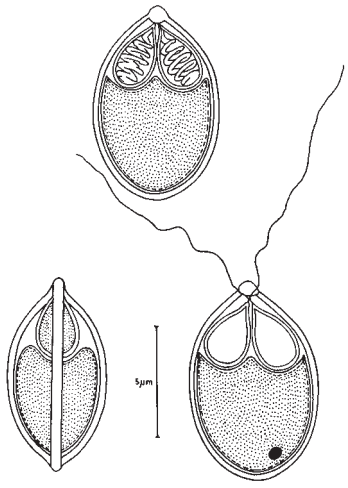
The species *Myxobolus elongatum* was described by Subarna Ghosh and Probir. K. Bandyopadhyay, based on a Holotype and four Paratypes, collected from West Bengal: Garia (88.3967486°E and 22.46°N). The species was isolated from a freshwater minor carp, *Labeo bata* (Hamilton). The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*elongatum*" has been given after the long shape of the species.



***Myxobolus elongatum*** Ghosh and Bandyopadhyay

2. ***Myxobolus holzerae*** Gupta and Kaur *Microbial Pathogenesis,* **111**: 244-251, 2017.

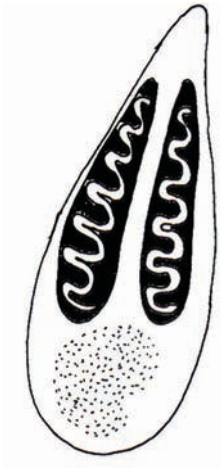
The species *Myxobolus holzerae* was described by Aditya Gupta and Harpreet Kaur from Punjab, Ranjit Sagar Wetland (32°26′30″ N and 75° 43′30″E). The species was found parasitizing the Gill lamellae of *Labeo rohita* (Hamilton). The type specimens have been deposited in Punjabi University, Patiala. The new species has been named after Dr. Astrid Holzer, the eminent worker in the field of Fish parasitology.




***Myxobolus holzerae*** Gupta and Kaur

3. ***Myxobolus petalum*** Ghosh and Bandyopadhyay *Journal of Parasitic Diseases,* **41**(1): 155-166, 2017.

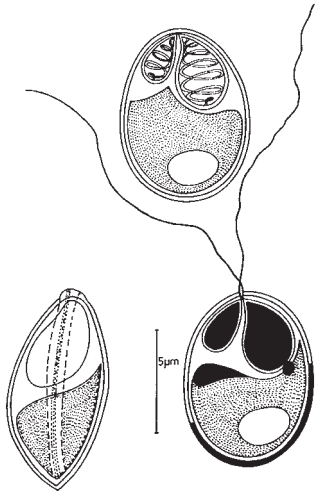
The species *Myxobolus petalum* was described by Subarna Ghosh and Probir. K. Bandyopadhyay based on a Holotype and four Paratypes, collected from West Bengal: Hooghly (22.8956°N and 88.4025°E). The species was isolated from a freshwater minor carp, *Labeo rohita* (Hamilton). The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*petalum*" has been given after the shape of the species.



***Myxobolus petalum*** Ghosh and Bandyopadhyay

4. ***Myxobolus puntiusii*** Gupta and Kaur *Turkish Journal of Zoology,* **41**(5): 791-799, 2017.

The species *Myxobolus puntiusii* was described by Aditya Gupta and Harpreet Kaur from Punjab, Ranjit Sagar Wetland (32°26′30″N and 75° 43′30″E). The species was found parasitizing the caudal fin of *Puntius sophore* (Hamilton). The type specimen has been deposited in Punjabi University, Patiala. The new species was named after its host fish.




***Myxobolus puntiusii*** Gupta and Kaur

5. ***Myxobolus sonarpurensis*** Ghosh and Bandyopadhyay *Journal of Parasitic Diseases,* **41**(1): 155-166, 2017.

The species *Myxobolus sonarpurensis* was described by Subarna Ghosh and Probir. K. Bandyopadhyay based on a Holotype and four Paratypes collected from West Bengal: Sonarpur (22.4200°N and 88.4200°E), South 24 Parganas. The species was isolated from a freshwater minor carp, *Labeo bata* (Hamilton). The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The specific epithet "*sonarpurensis*" has been given after the type locality.

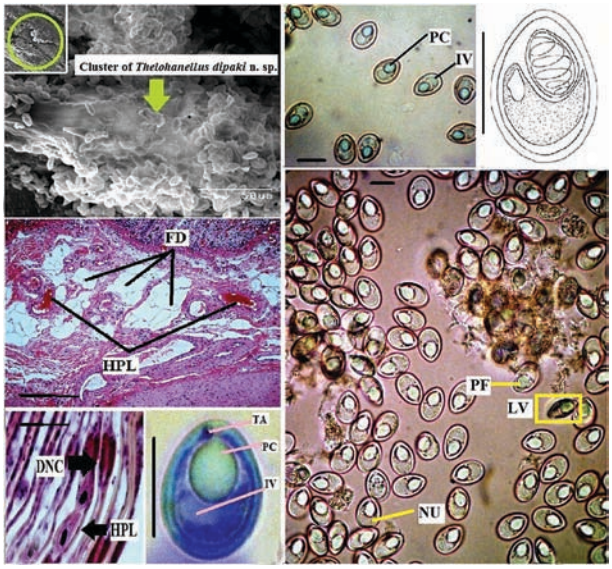
***Myxobolus sonarpurensis*** Ghosh and Bandyopadhyay

Genus ***Thelohanellus*** Kudo, 1933

6. ***Thelohanellus dipaki*** Saha and Bandyopadhyay *Aquaculture Reports*, **8**: 8-15, 2017.

The species *Thelohanellus dipaki* was described based on a Holotype and five Paratypes, by Mandira Saha and

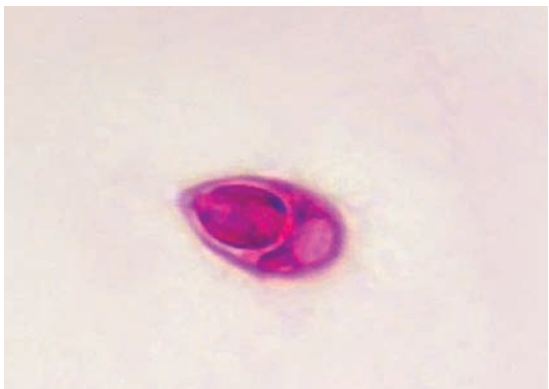
Probir. K. Bandyopadhyay from West Bengal, Haringhata, Nadia (22°53′N–24°11″N and 88°09′E–88°48″E). The species was found infesting the fin of Goldfish: *Carassius auratus* Linn. The type specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. The new species was named after the renowned Parasitologist, Prof. Dipak Ranjan Mondal.




***Thelohanellus dipaki*** Saha and Bandyopadhyay

7. ***Thelohanellus theinensis*** Gupta and Kaur *Journal of Parasitic Diseases,* **41**(3): 629-638, 2017.

The species *Thelohanellus theinensis* was described by Aditya Gupta and Harpreet Kaur from Punjab, Ranjit Sagar Wetland (32°26′30″ N and 75° 43′30″E). The species was isolated from the Gill lamellae of *Labeo bata* (Hamilton). The type specimen has been deposited in the Parasitology Laboratory, Department of Zoology, Punjab University, Chandigarh. The specific epithet *'theinensis'* has been given after the common name of Ranjit Sagar wetland.



***Thelohanellus theinensis*** Gupta and Kaur

## TWENTY NEW SPECIES OF PLATYHELMINTHES

Order CARYOPHYLLIDEA

Family CARYOPHYLLAEIDAE

Genus ***Wenyonia*** Woodland, 1923

1. ***Wenyonia sanyali*** Banerjee and Manna *Proceedings of the Zoological Society* ISSN 0373-5893DOI 10.1007/s12595-017-0238-7.

The species *Wenyonia sanyali* was described by Suranjana Banerjee and Buddhadeb Manna, based on a Holotype and 35 Paratypes, collected from West Bengal, Medinipur District, Digha (21.68°N and 87.55°E). The species was collected from *Chilloscyllium griseum.* The type specimens have been deposited in NZC, ZSIK. The species has been named after the eminent Acarologist, Dr. A.K. Sanyal, of Zoological Survey of India, Kolkata.

Order CYCLOPHYLLIDEA

Family DIOECOCESTIDAE

Genus ***Gyrocoelia*** Fuhrmann, 1899

2. ***Gyrocoelia mizoramensis*** Banerjee, Manna and Sanyal *Journal of the Washington Academy of Sciences,* **103**(3): 17-28, 2017.

The species *Gyrocoelia mizoramensis* was described by Banerjee *et al.*, based on a Holotype and a Paratype, collected from Mizoram, Aizawl, North Khawbung district (23° 10′ 0″ N and 93° 14′ 0″ E). The species was collected from *Ottus bakkamoena.* The type specimens have been deposited in NZC, ZSIK. The specific name has been derived from the type locality.

Family HYMENOLEPIDIDAE

Genus ***Pentorchis*** Meggitt, 1927

3. ***Pentorchis arunachalensis*** Banerjee, Manna and Sanyal *Journal of the Washington Academy of Sciences,* **103**(1): 1-8, 2017.

The species *Pentorchis arunachalensis* was described by Banerjee *et al*, based on 2 specimens collected from Arunachal Pradesh, Upper Subansiri district, Daporijo (27° 59′ 9.83″ N and 94° 13′ 18.16″ E). The species was collected from *Cissa chinensis.* The type specimens have been deposited in NZC, ZSIK. The specific name has been derived from the type locality.

Order DACTYLOGYRIDEA

Family ANCYLODISCOIDIDAE

Genus ***Bychowskyella*** Achmerow, 1952

4. ***Bychowskyella ailiai*** Pandey and Agrawal *The Indian Journal of Basic and Applied Research,* **2**(3): 139-141, 2017.

The species *Bychowskyella ailiai* was described by Anuradha Pandey and Nirupama Agrawal based on a fish collected from Ganges River in Chapra, Bihar. The species was isolated from the gills of *Ailia colia* (Hamilton).

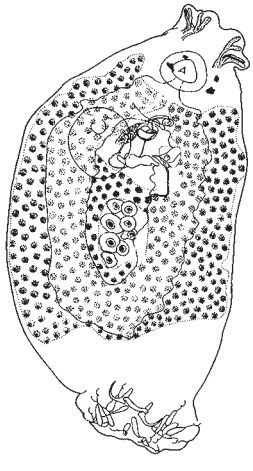
***Bychowskyella ailiai*** Pandey and Agrawal

Family DACTYLOGYRIDAE

Genus ***Dactylogyrus*** Diesing, 1850

5. ***Dactylogyrus barnae*** Wangchu, Narba, Yassa and Tripathi *Veterinary World*, **10**(5): 505-509, 2017.

The species *Dactylogyrus barnae* was described by Wangchu *et al*., based on a Holotype collected from Arunachal Pradesh, Papum Pare district, River Jote (27°2'N and 93°28'E) and 9 Paratypes collected from Lohit district, River Tezu (27°55'N and 96°10'E), and Roing district, River Dihang (28°8´N and 95°50´E). The species was found parasitizing a commonly exported indigenous species of ornamental fish of Northeast India - *Barilius barna* (Hamilton). The type specimens have been deposited in BMNH, UK, London. The species has been named after the type host.



***Dactylogyrus barnae*** Wangchu, Narba, Yassa and Tripathi

Order MAZOCRAEIDEA

Family MAZOCRAEIDAE

Genus ***Heteromazocraes*** Mamaev, 1981

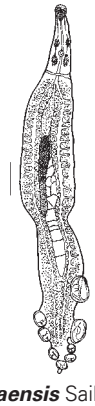
6. ***Heteromazocraes engrauliae*** Sailaja, Shameem and Madhavi *Systematic Parasitology,* **94**(3): 431-441, 2017.

The species *Heteromazocraes engrauliae* was described by Sailaja *et al*., based on a Holotype and seven Paratypes, specimens collected from Andhra Pradesh, Visakhapatnam, Bay of Bengal. The specimen was collected from the Gills of Engraulid Fish: *Thryssa setirostris* (Broussonet). The Holotype has been deposited at the BMNH, UK, London and the Paratypes have been deposited at the Parasitology Laboratory, Zoology Department, Andhra University, and NZC-ZSIK. The specific name denotes the family name of its host.

***Heteromazocraes engrauliae*** Sailaja, Shameem and Madhavi

7. ***Heteromazocraes thryssaensis*** Sailaja, Shameem and Madhavi *Systematic Parasitology,* **94**(3): 431-441, 2017.

The species *Heteromazocraes thryssaensis* was described by Sailaja *et al*., based on 7 specimens from Andhra Pradesh, Visakhapatnam, Bay of Bengal. The species was collected from the Gills of Engraulid Fish: *Thryssa setirostris* (Broussonet). The Holotype has been deposited at the BMNH, UK, London and the Paratypes have been deposited at the Parasitology Laboratory, Zoology Department, Andhra University, and NZC-ZSIK. The specific name has been derived from the generic name of its host.



***Heteromazocraes thryssaensis*** Sailaja, Shameem and Madhavi

Order MONOPISTHOCOTYLEA

Family DACTYLOGYRIDAE

Genus ***Thaparocleidus*** Jain 1952

8. ***Thaparocleidus armillatus*** Verma, Chaudhary and Singh *Acta Parasitologica,* **62**(3): 652-665, 2017.

The species *Thaparocleidus armillatus* was described by Verma *et al*., based on a Holotype and 26 Paratypes, collected from Uttar Pradesh: Meerut (29°01'N, 77°45'E). The species was collected from *Wallago attu.* The types have been deposited in the Museum of the Department of Zoology, Chaudhary Charan Singh University, Uttar Pradesh MHNG. The specific name refers to the coiled cirrus tube.

Order POLYCLADIDA

Family EURYLEPTIDAE

Genus ***Prostheceraeus*** Schmarda, 1859

9. ***Prostheceraeus fuscolineatus*** Dixit, Raghunathan and Chandra *Zootaxa,* **4269**(4): 495-512, 2017.

The species *Prostheceraeus fuscolineatus* was described by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra based on a Holotype collected from Andaman and Nicobar Islands, Mayabunder (12°58.926' N and 092°57.211'E); and 2 Paratypes collected from Andaman and Nicobar Islands, Paget Island (13°25.144' N and 092°49.288'E) and Point Island (13°24.090' N and 092°49.018'E). The type specimens have been deposited in the NZC, ZSI-ANRC. The species name refers to the brown lines on dorsum.

***Prostheceraeus fuscolineatus*** Dixit, Raghunathan and Chandra

Family PSEUDOCEROTIDAE

Genus ***Pseudoceros*** Lang, 1884

10. ***Pseudoceros auranticrinis*** Dixit, Raghunathan and Chandra *Zootaxa,* **4269**(4): 495-512, 2017.

The species *Pseudoceros auranticrinis* was described by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra based on a Holotype collected from Andaman and Nicobar Islands, Kamorta Island (08°02.159'N and 93°32.951'E). The type specimen has been deposited in the NZC, ZSI-ANRC. The species name refers to the orange coloured tentacles.


***Pseudoceros auranticrinis*** Dixit, Raghunathan and Chandra

11. ***Pseudoceros galatheensis*** Dixit, Raghunathan and Chandra *Zootaxa,* **4221**(1): 111-122, 2017.

The species *Pseudoceros galatheensis* was described by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra based on a Holotype collected from Great Nicobar Island, Galathea Wildlife Sanctuary (06° 40.051″N and 93° 51.583″E). The type specimen has been deposited in the NZC, ZSI-ANRC. The species has been named after its type locality.

***Pseudoceros galatheensis*** Dixit, Raghunathan and Chandra

12. ***Pseudoceros nigropunctatus*** Dixit, Raghunathan and Chandra *Zootaxa,* **4221**(1): 111-122, 2017.

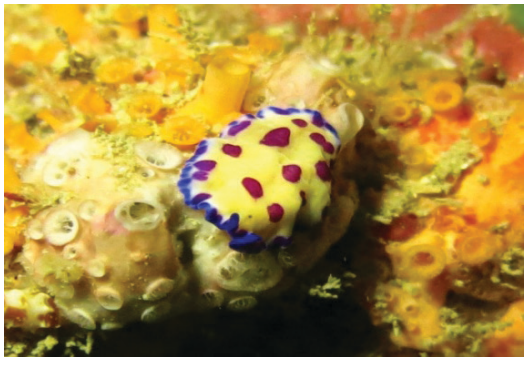
The species *Pseudoceros nigropunctatus* was described by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra based on a Holotype collected from Andaman and Nicobar Islands, Hut Bay, Little Andaman (10°37.340'N 92°33.419'E). The type specimen has been deposited

in the NZC, ZSI-ANRC. The species name refers to the black spots on the body.

***Pseudoceros nigropunctatus*** Dixit, Raghunathan and Chandra

13. ***Pseudoceros vishnui*** Dixit, Raghunathan and Chandra *Zootaxa,* **4269**(4): 495-512, 2017.

The species *Pseudoceros vishnui* was described by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra based on a Holotype and two Paratypes, collected from South Andaman, Pongibalu (11°30.573'N and 92°39.123'E) and South Andaman, Rutland Island (11°30.119'N and 92°37.112'E). The type specimens have been deposited in the NZC, ZSI-ANRC. The species has been named after Vishnu Kumar Dixit, father of the first author.



***Pseudoceros vishnui*** Dixit, Raghunathan and Chandra

Order PSEUDOPHYLLIDEA

Family BOTHRIOCEPHALIDAE

Genus ***Ptychobothrium*** Diesing, 1854

14. ***Ptychobothrium leiodoni*** Banerjee, Manna and Sanyal *North Bengal University Journal of Animal Science,* **11**: 35-44, 2017.

The species *Ptychobothrium leiodoni* was described by Banerjee *et al*, based on a Holotype and a Paratype, collected from West Bengal, North 24-Parganas, Bongaon (23.0440° N and 88.8277° E). The species was found parasitizing *Leiodon cutcutia.* The type specimens have been deposited in NZC-ZSIK. The species has been named after the host.

15. ***Ptychobothrium raiamusi*** Banerjee, Manna and Sanyal *North Bengal University Journal of Animal Science,* **11**: 35-44, 2017.

The species *Ptychobothrium raiamusi* was described by Banerjee *et al*, based on a Holotype and a Paratype, collected from Bihar, Bodh Gaya (24.6961° N and 84.9870° E). The species was found parasitizing *Raiamus bola* [Holotype] and *Systomus sarana*; [Paratype]. The type specimens have been deposited in the NZC-ZSIK. The species has been named after the host.

Genus ***Senga*** Dollfus, 1934

16. ***Senga bengalensis*** Banerjee, Manna and Sanyal *Flora and Fauna,* **23**(1): 189-214, 2017.

The species *Senga bengalensis* was described by Banerjee *et al*, from West Bengal, North 24-Parganas, Hasnabad (22.5745° N and 88.9174° E) based on a Holotype and a Paratype, collected from the intestine of a freshwater fish, *Mastacembelus armatus.* The type specimens have been deposited in NZC- ZSIK. The species name represents its collection locality.

17. ***Senga kakdwipensis*** Banerjee, Manna and Sanyal *Flora and Fauna,* **23**(1): 189-214, 2017.

The species *Senga kakdwipensis* was described by Banerjee *et al.*, from West Bengal, South 24-Parganas, Kakdwip (21°52′34″N and 88°11′07″E) based on a Holotype and thirteen Paratypes, collected from the intestine of a freshwater fish, *Mastacembelus armatus. T*he type specimens have been deposited in NZC-ZSIK. The species name indicates the type loclity.

18. ***Senga nagalandensis*** Banerjee, Manna and Sanyal *Flora and Fauna,* **23**(1): 189-214, 2017.

The species *Senga nagalandensis* was described by Banerjee *et al.*, based on a Holotype collected from Nagaland, Mokokchung district (26.3220° N; 94.5135° E). The species was collected from the intestine of a freshwater fish, *Colisa fasciata.* The type specimen has been deposited in NZC-ZSIK. The species name indicates the type locality.

19. ***Senga orissaensis*** Banerjee, Manna and Sanyal *Flora and Fauna,* **23**(1): 189-214, 2017.

The species *Senga orissaensis* was described by Banerjee *et al.*, based on a Holotype collected from Orissa, Puri district (19.8134° N; 85.8315° E). The species was collected from the intestine of a freshwater fish, *Channa punctatus*. The type specimen has been deposited in NZC-ZSIK. The species name indicates the type locality.

Order SPATHEBOTHRIIDEA

Family SPATHEBOTHRIIDAE

Genus ***Spathebothrium***, Linton, 1922

20. ***Spathebothrium vivekanandai*** Banerjee, Manna and Sanyal *Proceedings of the Zoological Society,* ISSN 0373-5893, DOI 10.1007/s12595-017-0214-2, 2017.

The species *Spathebothrium vivekanandai* was described by Banerjee *et al.*, based on a Holotype collected from West Bengal, North-24 Paraganas, Basirhat (22.6574° N; 88.8672° E). The species was collected from the intestine of a freshwater fish, *Channa striatus*. The type specimen has been deposited in NZC-ZSIK. The species has been named after Swami Vivekananda, religious leader and sage of India.

## EIGHT NEW SPECIES OF NEMATODA

Order APHELENCHOIDEA

Family APHELENCHIDAE

Genus ***Aphelenchus*** Bastian, 1865

1. ***Aphelenchus assamensis*** Chanu, Meitei and Shah *Journal of Parasitic Diseases,* **41**(2): 571-577, 2017.

The species *Aphelenchus assamensis* was described by Chanu *et al.*, from Assam, Kahilipara (26.1428694 and 91.768487) and was found associated with the decaying plant materials (rotten stem of Tamul paan, *Areca catechu Linn)*. The type specimen has been deposited in the Centre for Advanced Study in Life Sciences, Manipur University, Canchipur, Manipur. The species name indicates the type locality.

***Aphelenchus assamensis*** Chanu, Meitei and Shah

Order DIPLOGASTERIDA

Family APHELENCHOIDIDAE

Genus ***Aphelenchoides*** Fischer, 1894

2. ***Aphelenchoides meghalayensis*** Chanu and Meitei *Journal of Parasitic Diseases*, **41**(2): 322-328, 2017.

The species *Aphelenchoides meghalayensis* was described by L. Bina Chanu and N. Mohilal Meitei, collected from Meghalaya, Cherrapunji, Thangkharang Park, Mawsmai-Nongthymmai. The type specimen has been deposited in the Centre of Advanced Study in Life Sciences, Manipur University, Canchipur, Manipur. The species name indicates the type locality.

Order DORYLAIMIDA

Family LEPTONCHIDAE

Genus ***Caveonchus*** Siddiqi, 1982

3. ***Caveonchus siddiqii*** Ahad and Ahmad *Helminthologia,* **54**(2): 145-151, 2017.

The species *Caveonchus siddiqii* was described by S. Ahad and Wasim Ahmad based on a Holotype and twenty-four Paratypes, collected from the soil of the grasslands of Kaziranga National Park, Assam. The type specimens have been deposited with the nematode collection of the Department of Zoology, AMU. The species has been named after the Nematode taxonomist Dr. Mohammad Rafiq Siddiqi.

Order DORYLAIMIDA

Family NYGOLAIMIDAE

Genus ***Aquatides*** Heyns, 1968

4. ***Aquatides heynsi*** Sen *Trends in Biosciences*, **10**(27): 5673-5676, 2017.

The species *Aquatides heynsi* was described by Debabrata Sen, from West Bengal: South 24-Parganas, Sonarpur on a collection made from Soil samples around the roots of Guava (*Psidium guajava* L.) The type specimen has been deposited in the NZC-ZSIK. The new species has been named after the eminent Nematologist Dr. J. Heyns.

Order OXYUROIDA

Family PHARYNGODONIDAE

Genus ***Parapharyngodon*** Chatterji, 1933

5. ***Parapharyngodon tuberculata*** Rizvi, Maity and Bursey *Acta Parasitologica,* **62**(2): 273-289, 2017.

The species Parapharyngodon tuberculata was described by Rizvi *et al.*, based on a Holotype and three Paratypes, collected from Uttarakhand, Dehradun, Bhilaru pumping Station (30°28.059'N and 078°04'109'E). The species was found infesting the Large Intestine of Kashmir Rock Agama, Laudakia tuberculata (Gray). The type specimens have been deposited in NZC-ZSIK. The species has been named after its host.

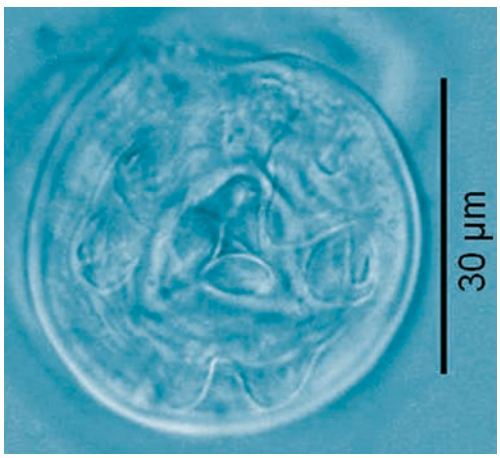
Genus ***Thelandros*** Wedl, 1862.

6. ***Thelandros dehradunensis*** Rizvi, Maity and Bursey *Acta Parasitologica,* **62**(2): 273-289, 2017.

The species *Thelandros dehradunensis* was described by Rizvi *et al*, based on a Holotype and three Paratypes collected from Uttarakhand, Dehradun, Bhilaru pumping Station (30°28.059'N, 078°04'109'E). The species was found infesting the Large Intestine of Kashmir Rock Agama, Laudakia tuberculata (Gray). The type specimens have been deposited in NZC-ZSIK. The species has been named after the host locality.

7. ***Thelandros tuberculata*** Rizvi, Maity and Bursey *Acta Parasitologica,* **62**(2): 273-289, 2017.

The species *Thelandros tuberculata* was described by Rizvi *et al*., based on a Holotype and three Paratypes, collected from Uttarakhand, Dehradun, Bhilaru pumping Station (30°28.059'N, 078°04'109'E). The species was found infesting the Large Intestine of Kashmir Rock Agama, Laudakia tuberculata (Gray). The type specimens have been deposited in NZC-ZSIK. The species has been named after the host species.




***Thelandros tuberculata*** Rizvi, Maity and Bursey.

Order RHABDITIDA

Family RHABDITIDAE

Genus ***Cephaloboides*** Rahm, 1928

8. ***Cephaloboides anisospiculus*** Tahseen, Hussain, Ahlawat, Mustaqim and Khan *Zootaxa, (*DOI: 10.11646/zootaxa.4277.3.2), 2017.

The species *Cephaloboides anisospiculus* was described by Tahseen *et al*., based on a Holotype and 17 Paratypes, collected from the green manure at New Delhi: Lado Saray (28.5245° N, 77.1919° E). The type specimens have been deposited in the Nematode Collection, Department of Zoology, AMU. The specific epithet denotes its unidentical or dissimilar spicules.

***Cephaloboides anisospiculus*** Tahseen, Hussain, Ahlawat, Mustaqim and Khan

## FIVE NEW SPECIES OF ANNELIDA

Order MONILIGASTRIDA

Family MONILIGASTRIDAE

Genus ***Drawida*** Michaelsen, 1900

1. ***Drawida polydiverticulata*** Narayanan and Julka *ZooKeys*, **691**: 1-18, 2017.

The species *Drawida polydiverticulata* was described by S. Prasanth Narayanan and J.M. Julka, based on a Holotype and six Paratypes, collected from Kerala: Idukki District, Meenthottychola (10°10'21.4"N; 77°02'2.3"E) in Eravikulam National Park. The type specimens have been deposited at NZC, ZSI-WGRC. The specific epithet *'polydiverticula'* is derived from the multi-lobed condition of the spermathecal atrium.

2. ***Drawida thomasi*** Narayanan and Julka *ZooKeys,* **691**: 1-18, 2017.

The species *Drawida thomasi* was described by S. Prasanth Narayanan and J.M. Julka based on a Holotype and two Paratypes collected from Kerala: Malappuram District, Kozhippara waterfalls (11°21'14.5"N; 76°6' 29.2"E) near Kakkadampoyil. The type specimens have been deposited at NZC, ZSI-WGRC. The species has been named after Prof. (Dr.) A.P. Thomas, who initiated taxonomic studies on the earthworms of Kerala state.

Family OCTOCHAETIDAE

Genus ***Octochaetona*** Gates, 1962

3. ***Octochaetona nurulai*** Mandal, Hasan and Talukder *International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST),* **3**(7): 13-17, 2017.

The species *Octochaetona nurulai* was described by Mandal *et al*., based on a Holotype collected from Tamil

Nadu, Madras district, Cooum river bank (13°00´19´´ N and 80°14´31´´E). The type specimen has been deposited in the NZC, ZSIK. The species is named after one of the author (Md. Nurul Hasan).

Genus ***Placobdella*** Blanchard, 1893

4. ***Placobdella rampurai*** Mandal, Mridha, Hasan and Ghosh *International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST),* **3**(7): 69-72, 2017.

The species *Placobdella rampurai* was described by Mandal *et al.*, based on a Holotype collected from Bihar, West Champaran, Rampur (26°31'15'' N and 86°16'40''E). The type specimen has been deposited in the NZC, ZSIK. The specific name indicates the type locality.

Family OPHELIIDAE

Genus ***Armandia*** Filippi, 1861

5. ***Armandia sampadae*** Gopal, Jaleel, Parameswaran and Vijayan *Journal of the Marine Biological Association of the United Kingdom*, **96**(8): 1625-1632, 2017.

The species *Armandia sampadae* was described by Gopal *et al.*, based on a Holotype collected from Andaman Sea, off Rutland Island, Indian Ocean, (11°28.038'N, 92°43.268'E). The type specimen has been deposited in CMLRE. The specific epithet refers to the Fishery Oceanographic Research Vessel 'Sagar Sampada'.

***Armandia sampadae*** Gopal, Jaleel, Parameswaran and Vijayan

## THREE NEW GENERA AND THIRTY THREE NEW SPECIES OF ARACHNIDA

Order ARANEAE

Family ARANEIDAE

Genus ***Cyclosa*** Menge, 1866

1. ***Cyclosa vankhedensis*** Dhande, Bodkhe and Ahmad *Trends in Biosciences,* 10(20): 3825-3831, 2017.

The species *Cyclosa vankhedensis* was described by Dhande *et al.*, based on a Holotype and twelve Paratypes collected from Maharashtra, District – Amravati, village Yeoda in Daryapur Taluka (19.582 363°N and 76.302 303°E). The type specimens have been deposited in the Spider Research Lab of J.D.P.S. Mahavidyalaya, Daryapur. The species was named in honour of Late Dr. Vankhede Ganesh.

Family AGELENIDAE

Genus ***Draconarius*** Ovtchinnikov, 1999

2. ***Draconarius joshimath*** Quasin, Siliwal and Uniyal *European Journal of Zoological Research*, **5**(1): 19-22, 2017.

The species *Draconarius joshimath* was described by Quasin *et al.*, based on a Holotype and two Paratypes collected from Uttarakhand, Joshimath, Nanda Devi Biosphere Reserve, Chamoli district (30°32´57.6´´ N and 79°36´02.4´´ E). The type specimens have been deposited in WILD. The species name indicates its type locality.

Family DICTYNIDAE

Genus ***Anaxibia*** Thorell, 1898

3. ***Anaxibia folia*** Sankaran and Sebastian *Zootaxa,* **4363**(3): 441-444, 2017.

The species *Anaxibia folia* was described by Pradeep M. Sankaran and Pothalil A. Sebastian based on a Holotype and four Paratypes collected from Kerala: Malappuram, Nilambur, Canolly's Plot, 11.16'06.17''N and 76.12'22.21''E. The type specimens have been deposited at ADSH. The specific epithet denotes the leaf litter-dwelling habit of the new species.

***Anaxibia folia*** Sankaran and Sebastian

Family LINYPHIIDAE

Genus ***Oedothorax*** Bertkau, 1883

4. ***Oedothorax khasi*** Tanasevitch *Revue suisse de Zoologie,* **124**(2): 331-333, 2017.

The species *Oedothorax khasi* was described by Andrei V. Tanasevitch based on a Holotype collected from Meghalaya, Khasi Hills. The type specimen has been deposited at MNHG. The specific name refers to its type locality.

Family LIOCRANIDAE

Genus ***Paratus*** Simon, 1898

5. ***Paratus perus*** Sankaran, Malamel, Joseph and Sebastian *Zootaxa,* **4286**(1): 139-144, 2017.

The species *Paratus perus* was described by Sankaran *et al*, based on a Holotype and five Paratypes collected from Kerala: Kottayam, Palai, Areeppara in Edappady (09°42'35.62''N, 76°42'48.42''E, 27 m). The Holotype has been collected from the bark of *Artocarpus hirsutus* Lam. and the Paratypes, from the bark of *Tectona grandis* Linn. and *Artocarpus heterophyllus* Lam. The type specimens have been deposited in ADSH. The specific epithet refers to the sac-like median diverticulum.

***Paratus perus*** Sankaran, Malamel, Joseph and Sebastian

Family LYCOSIDAE

Genus ***Wadicosa*** Zyuzin, 1985

6. ***Wadicosa ghatica*** Kronestedt *Zootaxa,* **4300**(2): 295-300, 2017.

The species *Wadicosa ghatica* was described by Torbjörn Kronestedt based on a Holotype from Karnataka, Jog Falls (14°14'N 74°50'E) and two Paratypes collected from Kerala: Pathanamthitta District, Pamba River drainage, Pedenada River, Lahai Estate (9°22'N and 76°54E), on the river bank. The specific epithet refers to the occurrence of the species in the Western Ghats.

Family SALTICIDAE

Genus ***Epocilla*** Thorell, 1887

7. ***Epocilla sirohi*** Caleb, Chatterjee, Tyagi, Kundu and Kumar *Arthropoda Selecta,* **26**(4): 329-334, 2017.

The speies *Epocilla sirohi* was described by Caleb *et al*., from Rajasthan, from Sirohi, near Mt. Abu (24.5766°N and 72.7164°E, 960 m). The type specimens have been deposited in the NZC, ZSIK. The specific name refers to the type locality.

***Epocilla sirohi*** Caleb, Chatterjee, Tyagi, Kundu and Kumar

Genus ***Hindumanes*** Logunov, 2004

8. ***Hindumanes wayanadensis*** Sudhin, Nafin and Sudhikumar *Zootaxa,* **4350**(2): 317-330, 2017.

Commonly known as Long-legged Jumping spider, the species *Hindumanes wayanadensis* was described by Sudhin *et al*., based on a Holotype collected from Kerala, Wayanad Wildlife Sanctuary, Bathery range (11°45′01.3′′N and 76°24′43.2′′E). The type specimens have been deposited in CATE. The species name refers to the type locality.

***Hindumanes wayanadensis*** Sudhin, Nafin and Sudhikumar

Genus ***Icius*** Simon, 1876

9. ***Icius kumariae*** Caleb *Arthropoda Selecta,* **26**(4): 323–327, 2017.

The species *Icius kumariae* was described by John T.D. Caleb based on a Holotype and a Paratype collected from Tamil Nadu, Chennai, Thirumullaivoyal (13°7′30.327′′N and 80°8′8.523′′E). The Holotype specimen has been deposited in NCBS and the Paratypes have been

deposited in NZC-ZSIK. The new species has been named after the Author's wife, Kumari Caleb.

***Icius kumariae*** Caleb

Genus ***Langelurillus*** Prochniewicz, 1994

10. ***Langelurillus lacteus*** Sanap, Joglekar and Caleb *Zootaxa,* **4318**(1): 135-146, 2017.

The species *Langelurillus lacteus* was described by Sanap *et al*., based on a Holotype and two Paratypes collected from Maharashtra, Mumbai, from Aarey Milk Colony (19°08'37.4922"N and 72°52'51.459"E). The specific name refers to the transverse 'milky-white' band of hairs behind the anterior eye row.

***Langelurillus lacteus*** Sanap, Joglekar and Caleb

11. ***Langelurillus onyx*** Caleb, Sanap, Joglekar and Prajapati *Zootaxa,* **4318**(1): 135-146, 2017.

The species *Langelurillus onyx* was described by Caleb *et al*., based on a Holotype collected from Maharashtra, Mumbai, Aarey Milk Colony (19°08'37.4922"N and 72°52'51.459"E), and six Paratypes collected from Fulsar (21°42'24"N and 73°35'29"E), and Sagai (21°40'11"N and 73°47'49"E), both in Shoolpaneshwar Wildlife Sanctuary, Gujarat, India. The specific epithet refers to the shiny black carapace bordered with a band of white hairs resembling an oxide mineral.

***Langelurillus onyx*** Caleb, Sanap, Joglekar and Prajapati

Genus ***Mogrus*** Simon, 1882

12. ***Mogrus rajasthanensis*** Caleb, Chatterjee, Tyagi, Kundu and Kumar *Arthropoda Selecta,* **26**(4): 329-334, 2017.

The species *Mogrus rajasthanensis* was described by Caleb *et al*., from Rajasthan, Sirohi, Mount Abu (24.5917°N and 72.7237°E). The type specimens have been deposited in NZC, ZSIK. The specific name refers to the Indian state Rajasthan.

***Mogrus rajasthanensis*** Caleb, Chatterjee, Tyagi, Kundu and Kumar

Genus ***Synagelides*** Strand in Bosenberg et Strand, 1906

13. ***Synagelides munnar*** Logunov *Arthropoda Selecta,* **26**(4): 315–322, 2017.

The species *Synagelides munnar* was described by Dmitri V. Logunov based on a Holotype collected from Kerala, Cardamom Hills (10°06′30.7″N, 77°05′24.0″E, 13 km NE of Munnar, 1900 m). The type specimen has been deposited in MHNG. The species name refers to the type locality.

Family SEGESTRIIDAE

Genus ***Ariadna*** Audouin, 1826

14. ***Ariadna chhotae*** Siliwal and Yadav *Zootaxa,* **4362**(3): 433-441, 2017.

The species *Ariadna chhotae* was described by Siliwal

*et al.*, based on a Holotype and a Paratype collected from Karnataka, between Potoli and Janta Colony, Dandeli Wildlife Sanctuary (15°14' 52.3"N and 74°17' 55.3"E). The type specimens have been deposited at WILD. The species name has been derived from the hindi word, which means small, referring to the small size of the species.

***Ariadna chhotae*** Siliwal and Yadav

15. ***Ariadna molur*** Siliwal, Yadav and Kumar *Zootaxa,* **4362**(3): 433-441, 2017.

The species *Ariadna molur* was described by Siliwal *et al.*, based on a Holotype and a Paratype collected from Karnataka, Kulgi, Dandeli Wildlife Sanctuary (15°10´ 09.6´´N and 74° 38' 02.3"E). The type specimens have been deposited at WILD. The species has been named in the honor of the founder of WILD, Dr. Sanjay Molur.

16. ***Ariadna vansda*** Siliwal, Yadav and Kumar *Zootaxa,* **4362**(3): 433-441, 2017.

The species *Ariadna vansda* was described by Siliwal *et al.*, based on a Holotype and a Paratype collected from Gujarat: Vansda National Park (20° 45.138"N and 73° 29.005"E, 131m). The type specimens have been deposited at WILD. The species epithet refers to the type locality.

Family TETRAGNATHIDAE

Genus ***Tylorida*** Simon, 1894

17. ***Tylorida flava*** Sankaran, Malamel, Joseph and Sebastian *Zootaxa,* **4353**(2): 294-326, 2017.

The species *Tylorida flava* was described by Sankaran *et al.*, based on a Holotype and a Paratype collected from Kerala: Ernakulam, Koovappara in Bhoothathankettu Forest Reserve (10°08'06.84''N and 76°39´39.84´´E, 38 m). The type specimens have been deposited at ADSH. The specific name refers to the body colour of the new species.

Family THERIDIIDAE

Genus ***Meotipa*** Simon, 1895

18. ***Meotipa sahyadri*** Kulkarni, Vartak, Deshpande and Halali *Zootaxa*, **4291**(3): 504-520, 2017.

The species *Meotipa sahyadri* was described by Kulkarni *et al.*, based on a Holotype collected from Satara, Botanical Garden, Yashavantrao Chavan Institute of Science, (17.685 N, 74.011 E, 707 m) and additional materials collected from the type locality and different parts of Maharashtra, Goa and Gujarat. The type specimens have been deposited at BNHS.The species was named '*sahyadri*', a Sanskrit vernacular name for the northern Western Ghats which comprise all localities of the new species.

***Meotipa sahyadri*** Kulkarni, Vartak, Deshpande and Halali

Family TITANOECIDAE

Genus ***Pandava*** Lehtinen, 1967

19. ***Pandava aruni*** Bodkhe, Uniyal, Kamble, Manthen, Santape and Chikhale *Serket,* **15**(3): 119-123, 2017.

The species *Pandava aruni* was described by Bodkhe *et al.*, based on a Holotype collected from Maharashtra, Buldhana district, Lonar Crater Sanctuary (19°58'23.63"N, 76°30'23.03"E) and three Paratypes collected from Maharashtra, District-Amravati, J.D. Patil Sangludkar Mahavidyalaya campus, Daryapur. The type specimens have been deposited in JDPSM.The species was named after Adv. Arun Shelke.

***Pandava aruni*** Bodkhe, Uniyal, Kamble, Manthen, Santape and Chikhale

Order: MESOSTIGMATA

Family: ERIOPHYIDAE

Genus ***Acaricalus*** Keifer, (1940)

20. ***Acaricalus indicus*** Sur, Roy and Chakrabarti *Proc Zool Soc,* Vol **70**(2), 2017.

The species *Acaricalus indicus* was described by Sur *et al*., based on a Holotype and forty-three Paratypes collected from West Bengal, Kalimpong, Sillary Gaon (27°08'N and 88°34'E, 1831m). The type specimens have been deposited in the collection of the Post-Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The species was named after the country 'India'.

Genus ***Mesalox*** Keifer, (1962)

21. ***Mesalox mutica*** Sur and Chakrabarti *J. Acarol. Soc. Jpn,* **26**(2): 73-82, 2017.

The species *Mesalox mutica* was described by Surajit Sur and Samiran Chakrabarti based on a Holotype and nineteen Paratypes collected from West Bengal, Hooghly, Serampore (22°45'N and 88° 21'E, 79m). The type specimens have been deposited in the collection of the Post-Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The species name refers to the host plant *Apluda mutica* Linn.

Genus ***Neooxycenus*** Abou-Awad, 1981

22. ***Neooxycenus dilleniae*** Sur, Roy and Chakrabarti *Proc. Zool. Soc.* Vol. **70**(2), 2017.

The species *Neooxycenus dilleniae* was described by Sur *et al*., based on a Holotype and eight Paratypes collected from West Bengal, Near SKB University Campus (23°21' N and 86°20' E, 269m). The type specimens have been deposited in the collection of the Post-Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The species was named after the host plant *Dillenia pentagyna* Roxb.

Genus ***Propeaciota*** Chakrabarti *et al*., 2017

23. ***Propeaciota genusetosis*** Chakrabarti, Sur, Roy and Sarkar *Zootaxa,* **4236**(1): 172-182, 2017

The genus *Propeaciota* and the species *Propeaciota genusetosis* was described by Chakrabarti *et al*., based on one Holotype and thirteen Paratypes collected from West Bengal, Darjeeling, Rishop (27°09'N and 88°58'E, 2591m). This white and fusiform mite species occurs on under surface of leaf of *Acer sp.* plants belonging to the Aceraceae family. The type specimens have been deposited in the collection of the Post- Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The generic name *Propeaciota* has been derived from the Latin word "*prope*" meaning 'near to' and the species name refers to the hairy leg.

Genus ***Spinaephyes*** Chakrabarti *et al*., 2017

24. ***Spinaephyes alnus*** Chakrabarti, Sur, Roy and Sarkar *Zootaxa,* **4236**(1): 172-182, 2017.

The genus *Spinaephys* and the species *Spinaephyes alnus* was described by Chakrabarti *et al*., based on a Holotype and ten Paratypes collected from West Bengal, Darjeeling, Rishop (27°09'N and 88°58'E, 2591m); and six Paratypes collected from Kalimpong 14 mile, (27°06'N and 88°32'E, 1527m). The type specimens have been deposited in the collection of the Post-Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The generic name *Spinaephyes* has been derived from the Latin word *'spina'* meaning 'thorn' and *'phyes'* means 'grower' (maker) referring to the spines present on the posterior lateral margins of the prodorsal shield. The species has been named after the host plant *Alnus nepalensis* D.Don (Betulaceae).

Genus ***Subductophyes*** Sur and Chakrabarti, 2017

25. ***Subductophyes digitariae*** Sur and Chakrabarti *Journal of Acarological Society of Japan,* **26**(2): 73-82, 2017.

The genus *Subductophyes* and the species *digitariae* was described by Surajit Sur and Samiran Chakrabarti based on twenty-four specimens collected from West Bengal, Howrah, Acharya Jagadish Chandra Bose Indian Botanic Garden (22°33′23.9″N, 88°18′02.7″E, 31m). The type specimens have been deposited in the collection of the Post-Graduate Department of Zoology, Vidyasagar College, Kolkata, India. The generic name *Subductophyes* refers to the sunken genitalia of the species and the species was named after the host plant *Digitaria ciliaris* (Retz.) Koeler.

Family PHYTOSEIIDAE

Genus ***Amblyseius*** Berlese, 1914

26. ***Amblyseius conulus*** Karmakar, Bhowmik and Sherpa *Zootaxa,* **4311**(1): 39-61, 2017.

The species *Amblyseius conulus* was described by Karmakar *et al*., based on a Holotype and nineteen Paratypes collected from West Bengal, Jalpaiguri, Rahimpur (26°35'N and 89°01'E). The species has been collected from Betel nut, *Piper betle Linn.*The type specimens have been deposited at NZC, ZSIK. The species name refers to the conical or funnel- shaped spermatheca of the new species.

27. ***Amblyseius bengalensis*** Karmakar, Bhowmik and Sherpa *Zootaxa,* **4311**(1): 39-61, 2017.

The species *Amblyseius bengalensis* was described by Karmakar *et al*., based on a Holotype and three Paratypes collected from West Bengal, Nadia, Mondouri (22°56'32"N and 88° 30'51"E). The species was collected from Tagar, *Tabernamontana coronarea* R.Br.

ex Roem. & Schult. The type specimens have been deposited at NZC, ZSIK. The species name refers to the Indian State West Bengal.

28. ***Amblyseius brachycalyx*** Karmakar, Bhowmik and Sherpa *Zootaxa,* **4311**(1): 39-61, 2017.

The species *Amblyseius brachycalyx* was described by Karmakar *et al.*, based on a Holotype and seven Paratypes collected from West Bengal, Nadia, Jaguli (22° 56'46"N and 88°32'23"E). The type specimens have been deposited at NZC, ZSIK. The species name refers to the short calyx of the spermatheca of the species.

29. ***Amblyseius dahliae*** Karmakar, Bhowmik and Sherpa *Zootaxa,* **4311**(1): 39-61, 2017.

The species *Amblyseius dahliae* was described by Karmakar *et al.*, based on a Holotype and four Paratypes collected from West Bengal, Nadia, Mohanpur (22° 56'47"N and 88°32'5"E). The species was collected from *Dahlia* species. The type specimens have been deposited at NZC, ZSIK. The species name refers to the host plant from where the types were collected.

30. ***Amblyseius parbatabasii*** Karmakar, Bhowmik and Sherpa *Zootaxa,* **4311**(1): 39-61, 2017.

The species *Amblyseius parbatabasii* was described by Karmakar *et al.*, based on a Holotype and three Paratypes collected from West Bengal, Kalimpong (27°4'25.17"N and 88°28'37.92"E).The species was collected from *Citrus reticulate* Blanco. The type specimens have been deposited at NZC, ZSIK. The species name '*parbatabasi*' means one who lives in the mountains, in the local language Bengali that refers to the higher altitude locality of the species.

Family PTERONYSSIDAE

Genus ***Timalinyssus*** Mironov, 2001

31. ***Timalinyssus wahlangi*** Constantinescu, Chisamera, Mukhim and Adam ZooKeys, **557**: 45-57, 2017.

The species *Timalinyssus wahlangi* was described by Constantinescu *et al.*, from Meghalaya, Jaintia Hills, Shnongrim village (25°21'12.36"N and 92°31'3.06"E, 1151m). The type specimens have been deposited in the Acarological Collection of the "Grigore Antipa" National Museum of Natural History, Bucharest, Romania. The species has been named in the memory of the third author's father Mr. Wahlang.

Order SCORPIONES

Family HORMURIDAE

Genus ***Liocheles*** Sundevall, 1833

32. ***Liocheles schalleri*** Mirza *Zootaxa,* **4365**(2): 217-230, 2017.

The species *Liocheles schalleri* was described by Zeeshan A. Mirza based on a Holotype collected from Trishna Wildlife Sanctuary, South Tripura district (23.281126° N and 91.401004°E, 30m) and two Paratypes collected from a Sal plantation near Garjee forest rest house, 8km south of Udaipur, Tripura (23.44166° N and 91.48956° E, 56m). The type specimens have been deposited at NCBS. The species has been named in honour of Wildlife Biologist, Dr. George Beals Schaller of the Wildlife Conservation Society and Panthera, for his contribution to the conservation of wildlife.

Order SCOLOPENDROMORPHA

Family SCOLOPENDRIDAE

Genus ***Rhysida*** Wood, 1862

33. ***Rhysida apinosus*** Dhanya and Sureshan *Boletín de la Sociedad Entomológica Aragonesa (S.E.A.),* nº **60** (30/06/2017): 111-114, 2017.

The species *Rhysida apinosus* was described by Dhanya Balan and P.M. Sureshan based on a Holotype collected from Kerala, Ernakulam District, Urulanthanni, Thattekad and two Paratypes collected from Kolumba, Thattekad, Ernakulam District, Kerala, India. The type specimens have been deposited in the NZC, ZSI-WGRC. The species name has been derived from the characteristic absence of spines on ultimate leg prefemur.

## TWO NEW GENERA AND TWENTY TWO NEW SPECIES OF CRUSTACEA

Order AMPHIPODA

Family HYALIDAE

Genus ***Parhyale*** Stebbing, 1897

1. ***Parhyale piloi*** Myers, Trivedi, Gosavi and Vachhrajani *Zootaxa,* **4294** (5): 593-599, 2017.

The species *Parhyale piloi* was described by Myers *et al.*, from Gujarat, Saurashtra coast, Shivrajpur village (22°19'58''N and 68°57'01''E). The type specimen has been deposited in NZC, ZSI-WRC. The species has been named after Professor Bony Pilo, for his valuable contribution to biodiversity studies of Gujarat state.

***Parhyale piloi*** Myers, Trivedi, Gosavi and Vachhrajani

Order BATHYNELLACEA

Family PARABATHYNELLIDAE

Genus ***Atopobathynella*** Schminke, 1973

2. ***Atopobathynella indica*** Bandari, Shaik and Reddy *Journal of Natural History,* **51**(35-36): 2143-2184, 2017.

The species *Atopobathynella indica* was described by Bandari *et al.*, from Andhra Pradesh, 30km from Giddalur town, Borewell at Araveetikota (15°34'N and 78°55'E). The type specimens have been deposited in NZC, ZSIK. The species name refers to India, the country of occurrence of the species.

3. ***Atopobathynella inopinata*** Bandari, Shaik and Reddy *Journal of Natural History,* **51**(35-36): 2143-2184, 2017.

The species *Atopobathynella inopinata* was described by Bandari *et al.*, from Andhra Pradesh, Guntur district, Borewell, in the residential area of Kunchanapalli village (16°28'14"N and 80°36'53"E). The type specimens have been deposited in NZC, ZSIK. The species name has been derived from the Latin adjective *'inopinata'*, meaning 'unexpected' denoting the unexpected discovery of the species.

4. ***Atopobathynella nelloreensis*** Bandari, Shaik and Reddy *Journal of Natural History,* **51**(35-36): 2143-2184, 2017.

The species *Atopobathynella nelloreensis* was described by Bandari *et al.*, from Andhra Pradesh, near Nellore town, Borewell at Krishnapatnam (14°03'26"N, 79°27'33"E). The type specimens have been deposited in NZC, ZSIK. The species has been named after a town called Nellore, which is close to the type locality.

Order DECAPODA

Family GECARCINUCIDAE

Genus ***Cylindrotelphusa*** Alcock, 1909

5. ***Cylindrotelphusa breviphallus*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The species *Cylindrotelphusa breviphallus* was described by Pati *et al.*, from Kerala, Thiruvananthapuram district, Ponmudi (8.766°N and 77.110°E, 945 m). The type specimens have been deposited in NZC, ZSI-WRC. The species name indicates the short male gonopods of the crab.

***Cylindrotelphusa breviphallus*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

6. ***Cylindrotelphusa longiphallus*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The species *Cylindrotelphusa longiphallus* was described by Pati *et al.*, from Kerala, Thrissur district, Kuzhikattusseri (10.289°N and 76.278°E, 14 m). The type specimens have been deposited in NZC, ZSI-WRC. The species name indicates the long male gonopods of the crab.

***Cylindrotelphusa longiphallus*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

Genus ***Kani*** Kumar, Raj & Ng, 2017

7. ***Kani maranjandu*** Kumar, Raj and Ng Journal of Crustacean Biology, **37**(2): 157-167, 2017.

The genus *Kani* and the species *Kani maranjandu* was described by Kumar *et al.*, based on a Holotype and three Paratypes collected from Kerala, Cherumankal, Agathyamala Biological Park, Kottoor Reserve Forest, Kottoor, (8°60' N and 77°20' E), Western Ghats. The type specimens have been deposited in NZC, ZSI-WGRC and in DABFUK. The genus was named *'Kani'* after the Kani tribe who helped to discover the species and the species *'maranjandu'* means tree-crab in the local language, Malayalam.

***Kani maranjandu*** Kumar, Raj and Ng

Genus ***Karkata*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan, 2017

8. ***Karkata ghanarakta*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The genus *Karkata* and species *Karkata ghanarakta* was described by Pati *et al.*, from Kerala: Ernakulam district:

Thattekkad Bird Sanctuary (10.115°N and 76.709°E, 58 m). The type specimens have been deposited in NZC, ZSI-WRC. The genus name has been derived from the local language Malayalam for crab. The species name has been derived from Sanskrit for 'maroon', referring to the maroon colouration of the live crabs.

***Karkata ghanarakta*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

9. ***Karkata kusumbha*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The species *Karkata kusumbha* was described by Pati *et al.*, from Kerala, Idukki district, Thaalumkandam, near Mankulam (10.110°N and 76.905°E, 793 m). The type specimens have been deposited in NZC, ZSI-WRC. The species name '*kusumbha'* (Sanskrit for 'safflower'), alludes to the orange-red colouration of the live crabs that resemble the colour of the flowers of safflower.

***Karkata kusumbha*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

Genus ***Oziotelphusa*** Müller, 1887

10. ***Oziotelphusa ravi*** Smrithy Raj, Kumar and Ng *Zootaxa,* **4363**(2): 225-236, 2017.

The species Oziotelphusa ravi was described by Smrithy *et al.*, based on a Holotype and five Paratypes collected from the ditches and rice fields in Keeriparai near Nagercoil, Kanyakumari district, Tamil Nadu (8°18'51.792"N and 77°25'20.111"E). The type specimens have been deposited in NZC, ZSI – WGRC and DABFUK. The species has been named after Dr R. Ravineesh who made the discovery of the species possible.

***Oziotelphusa ravi*** SmrithyRaj, Kumar and Ng

Genus ***Pilarta*** Bahir & Yeo, 2007

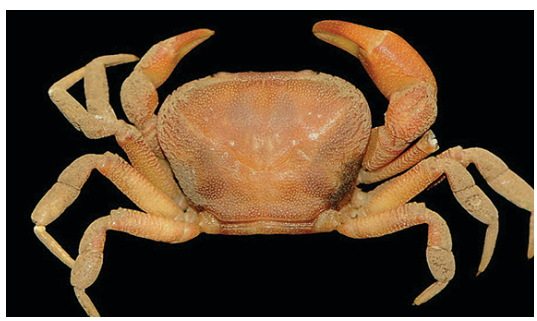
11. ***Pilarta aroma*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The species *Pilarta aroma* was described by Pati *et al.*, from Kerala, Thiruvananthapuram district, Pongalappara, Agasthyamala (8.616°N and 77.246°E, 1784 m). The type specimens have been deposited in NZC, ZSI-WRC. The species epithet, '*aroma*' means 'hairless' in Sanskrit, alluding to the smooth or hairless carapace and chelipeds of the crab.

***Pilarta aroma*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

12. ***Pilarta punctatissima*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan *Journal of Natural History,* **51**(23-24): 1295-1330, 2017.

The species *Pilarta punctatissima* was described by Pati *et al.*, from Kerala, Ernakulam district, Thattekkad Bird Sanctuary (10.115°N and 76.702°E, 46 m). The type specimens have been deposited in NZC, ZSI-WRC. The species name refers to the densely punctate carapace of the crab.



***Pilarta punctatissima*** Pati, Rajesh, Raj, Sheeja, Kumar and Sureshan

Family OREGONIIDAE

Genus ***Pleistacantha*** Miers, 1879

13. ***Pleistacantha kannu*** Ng, Ravinesh and Ravichandran *ZooKeys,* **716:** 127-146, 2017.

The species *Pleistacantha kannu* was described by Ng *et al.*, from Tamil Nadu, Pazhayar. The type specimen has been deposited in the Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu. The species has been named after the late Professor T. Kannupandi, the crustacean worker from the Centre of Advanced Study in Marine Biology, Annamalai University.

***Pleistacantha kannu*** Ng, Ravinesh and Ravichandran

Family PILUMNIDAE

Genus ***Typhlocarcinus*** Stimpson, 1858

14. ***Typhlocarcinus kerala*** Ng, Devi and Kumar *Zootaxa,* **4272**(1): 131-141, 2017.

The species *Typhlocarcinus kerala* was described by Ng *et al.*, based on a Holotype and four Paratypes collected from Kerala, Kollam port, Thiruvananthapuram. The specimens have been deposited in NZC, ZSI-WGRC and DABFUK. The species has been named after the state of Kerala from where it was collected.

***Typhlocarcinus kerala*** ng, Devi and Kumar

Family PORCELLANIDAE

Genus ***Ancylocheles*** Haig, 1978

15. ***Ancylocheles peterngi*** Trivedi, Osawa and Vachhrajani *Zootaxa,* **4299**(3): 385-389, 2017.

The species *Ancylocheles peterngi* was described by Trivedi *et al.*, based on a Holotype and four Paratypes collected from Gujarat State, Shivrajpur, located on the coastal region of the Dev Bhumi Dwarka District (21°19'55"N and 68°57'02"E). The type specimens have been deposited in the Zoology Museum, Department of Zoology, Faculty of Science, The University of Baroda, Vadodara, Gujarat. The new species has been named in honour of Dr. Peter K.L. Ng of the Lee Kong Chian Natural History Museum, National University of Singapore, for his great contribution in taxonomy and biology of crustaceans.

***Ancylocheles peterngi*** Trivedi, Osawa and Vachhrajani

Family PORTUNIDAE

Genus ***Laleonectes*** Manning & Chace, 1990.

16. ***Laleonectes kuriya*** Mendoza and Devi *Zootaxa,* **4323**(2): 219-228, 2017.

The species *Laleonectes kuriya* was described by Jose Christopher E. Mendoza and Suvarna S. Devi, from Tamil Nadu, Western Indian Ocean (Reunion and southwestern India): Zoological Research Collections at Lee Kong Chian Natural History Museum, National University of Singapore. The type specimens have been deposited in NZC, ZSI-WGRC and DABFUK. The species name refers to its short legs.

***Laleonectes kuriya*** Mendoza and Devi

Family POTAMIDAE

Genus ***Himalayapotamon*** Pretzmann, 1966

17. ***Himalayapotamon chambaensis*** Mitra and Valarmathi *Zootaxa*, **4324**(3): 482-490, 2017.

The species *Himalayapotamon chambaensis* was described by Santanu Mitra and Kandasamy Valarmathi based on a Holotype collected from Himachal Pradesh, Rajira village, Chamba district (32°30.507'N and 76°10.358'E) and five Paratypes collected from Rumali, Chamba district, Himachal Pradesh (32°34.118'N and 76°06.099' E, 1020 m). The type specimens have been deposited in NZC, ZSIK. The species refers to its type locality.

***Himalayapotamon chambaensis*** Mitra and Valarmathi

18. ***Himalayapotamon garhwalense*** Pati and Singh *Zootaxa*, **4237**(1): 191-200, 2017.

The species *Himalayapotamon garhwalense* was described by S.K. Pati and S. Singh based on a Holotype and four Paratypes collected from Uttarakhand, Pauri Garhwal district, Khanda, near Srinagar (30.196° N and 78.777° E, 718 m). The type specimens have been deposited in NZC, ZSI-WRC. The species name refers to Garhwal, an administrative division of the Indian state of Uttarakhand, where the crab seems to be endemic.

***Himalayapotamon garhwalense*** Pati and Singh

Genus ***Teretamon*** Yeo & Ng, 2007

19. ***Teretamon spelaeum*** Absar, Mitra and Kharkongor *Zootaxa*, **4362**(3): 302-310, 2017.

The species *Teretamon spelaeum* was described by Absar *et al.*, from Meghalaya, Krem Khung cave. The name refers to the habitat of the species, derived from the Latin, *spelaeum,* meaning cave.

***Teretamon spelaeum*** Absar, Mitra & Kharkongor

Family SCYLLARIDAE

Genus ***Petrarctus*** Holthuis, 2002

20. ***Petrarctus jeppiaari*** Yang, Kumar and Chan *Zootaxa,* **4329**(5): 477-486, 2017.

The species *Petrarctus jeppiaari* was described by Yang *et al.*, from Tamil Nadu, Jeppiaar fishing harbour, Muttom, at depths of about 150–200 m. The type specimens have been deposited in NZC, ZSI-WGRC and DABFUK. The species has been named after the fishing harbor where the new species was discovered.

***Petrarctus jeppiaari*** Yang, Kumar and Chan

Family SESARMIDAE

Genus ***Pseudosesarma*** Serene & Soh, 1970

21. ***Pseudosesarma glabrum*** Ng, Rani and Nandan *Zootaxa,* **4311**(2): 265-269, 2017.

The species *Pseudosesarma glabrum* was described by Peter Ng *et al.*, based on a Holotype and a Paratype collected from Kerala, Aroor (9°52′1.42″N and 76°18′ 54.97″E), Cochin estuary, part of Vembanad wetland, RAMSAR site. The type specimens have been deposited in CUSA. The specific epithet *'glabrum'* refers to the smooth dorsal carapace surface of the species which has almost no setae.

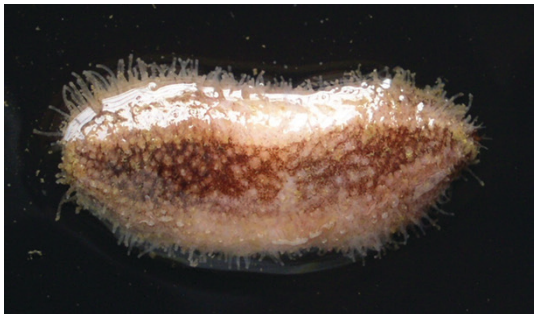
Order DENDROCHIROTIDA

Family THYONIDAE

Genus ***Thyonina*** Thandar, 1990

22. ***Thyonina biji*** Thandar *Zootaxa,* **4365**(4): 410-420, 2017.

The species *Thyonina biji* was described by A.S. Thandar from Kerala, Vizhinjam, India (Arabian Sea), SCUBA gear, 2 m. The type specimen has been deposited in DABFUK. The species has been named after Dr Biju Kumar, Professor and Head, Department of Aquatic Biology & Fisheries, University of Kerala, who collected the specimen.



***Thyonina biji*** Thandar

## FIVE NEW SPECIES OF COLLEMBOLA

Order ENTOMOBRYOMORPHA

Family ISOTOMIDAE

Genus ***Isotomurus*** Borner, 1903

1. ***Isotomurus dhanbadensis*** Mandal, Suman and Bhattacharya *Rec. zool. Surv. India,* **117**(2): 97-112, 2017.

The species *Isotomurus dhanbadensis* was described by Mandal *et al.*, based on a Holotype and ten Paratypes collected from Jharkhand, Amaghata Forest, Dhanbad, Dhanbad district (23°49'43.4"N and 86°30'13.3"E). The type specimens have been deposited in NZC, ZSIK. The new species has been named after the type locality.

***Isotomurus dhanbadensis*** Mandal, Suman and Bhattacharya

2. ***Isotomurus indicus*** Mandal, Suman and Bhattacharya *Rec. zool. Surv. India,* **117**(Part-**2**): 97-112, 2017.

The species *Isotomurus indicus* was described by Mandal *et al.*, based on a Holotype collected from Jharkhand, 7 km from Rajrappa, Kuju range, Ramgarh forest, Ramgarh district ( 22°38'58.0"N and 86°30'5.2"E) and ten Paratypes collected from Jharkhand, Amlachatar, Jamtara district (23°58'6.1"N and 86°50'31"E). The type specimens have been deposited in NZC, ZSIK. The new species has been named after the type locality.

***Isotomurus indicus*** Mandal, Suman and Bhattacharya

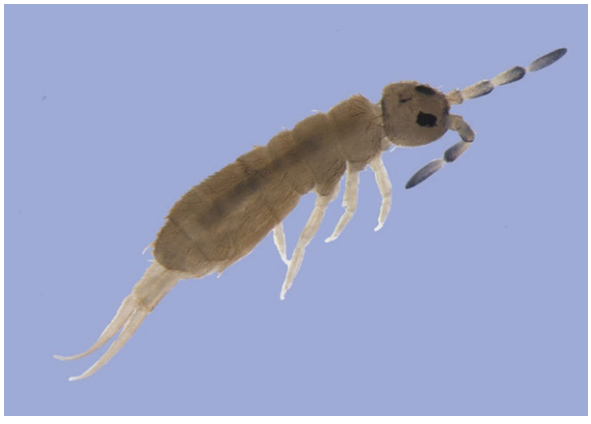
3. ***Isotomurus jharkhandensis*** Mandal, Suman and Bhattacharya *Rec. zool. Surv. India,* **117**(2): 97-112, 2017.

The species *Isotomurus jharkhandensis* was described by Mandal *et al.*, based on a Holotype collected from Jharkhand, 7 km from Rajrappa, Kuju range, Ramgarh forest, Ramgarh district (22°38'58.0" N and 86°30'5.2" E) and sixteen Paratypes collected from Jharkhand, Asanpani, Ghatsila, East Singbhum district (22°45'18.8" N and 86°26'56.8" E) and Jharkhand, Amaghata Forest, Dhanbad district (23°49'43.4" N and 86°30'13.3" E). The type specimens have been deposited in NZC, ZSIK. The new species has been named after the type locality.

***Isotomurus jharkhandensis*** Mandal, Suman and Bhattacharya

4. ***Isotomurus sahebganjensis*** Mandal, Suman and Bhattacharya *Rec. Zool. Surv. India,* **117**(Part-**2**): 97-112, 2017.

The species *Isotomurus sahebganjensis* was described by Mandal *et al.*, based on a Holotype and six Paratypes, collected from Jharkhand, Dhobijharna under hill stream, Sahebganj district (25°13'N and 87°38' E). The type specimens have been deposited in NZC, ZSIK. The new species has been named after the type locality.

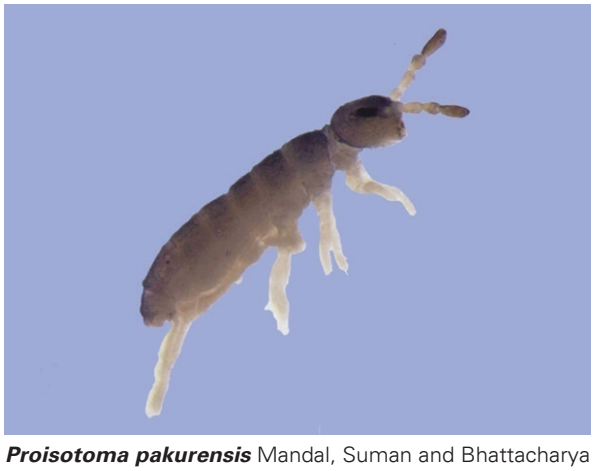


***Isotomurus sahebganjensis*** Mandal, Suman and Bhattacharya

**Genus:** *Proisotoma* Borner, 1901

5. ***Proisotoma pakurensis*** Mandal, Suman and Bhattacharya *Rec. zool. Surv. India,* **117**(2): 97-112, 2017.

The species *Proisotoma pakurensis* was described by Mandal *et al.*, based on a Holotype and five Paratypes collected from Jharkhand, Littipara, Tussar plantation garden, Pakur district 24°42'35.3" N, 87°36'51.8" E. The type specimens have been deposited in NZC, ZSIK. The new species has been named after the type locality.



***Proisotoma pakurensis*** Mandal, Suman and Bhattacharya

# INSECTA

## TWENTY NEW SPECIES OF COLEOPTERA

Family ANTHICIDAE

Genus ***Notoxus*** Geoffroy, 1762

1. ***Notoxus monpa*** Kejval *Klapalekiana,* **53**(1-2): 51-54, 2017.

The species *Notoxus monpa* was described by Zbynek Kejval from Arunachal Pradesh.

Family CARABIDAE

Genus ***Anthracus*** Motschulsky, 1850

2. ***Anthracus nathani*** Jaeger *Linzer biol. Beitr.* 49/1 585-608 28.7.2017.

The species *Anthracus nathani* was described by Bernd Jaeger based on a Holotype and fourteen Paratypes collected from Tamil Nadu, Karikal territory, Kurumbagaram. The type specimens have been deposited in MCZ, Harvard University. The species has been named in memory of P.S. Nathan, who collected the specimen.

Genus ***Chlaenius*** Bonelli, 1810

3. ***Chlaenius (Chlaeniellus) pseudotristis*** Chanu and Swaminathan *Zootaxa,* **4237**(3): 545-566, 2017.

The species *Chlaenius (Chlaeniellus) pseudotristis* was described by Yaiphabi N. Chanu and R. Swaminathan based on a Holotype collected from Rajasthan, Udaipur, RCA Campus (24°34´N and 73°42´E). The type specimen has been deposited in the reference Chamber of Insect Museum, KKS. The species name refers to the false resemblance with the species *Chlaenius tristis.*

4. ***Chlaenius (Lissauchenius) udaipurensis*** Chanu and Swaminathan *Zootaxa,* **4237**(3): 545-566, 2017.

The species *Chlaenius (Lissauchenius) udaipurensis* was described by Yaiphabi N. Chanu and R. Swaminathan based on a Holotype and fifty-two Paratypes collected from Rajasthan, Udaipur, RCA Campus (24°34´N and 73°42´E). The type specimen has been deposited in the reference Chamber of Insect Museum, KKS. The species name refers to the type locality.

Genus ***Styphlomerus*** Chaudoir, 1875

5. ***Styphlomerus bimaculatus*** Hrdlicka *Studies and Reports Taxonomical Series,* **13**(2): 335-355.

The species *Styphlomerus bimaculatus* was described by Jan Hrdlicka based on a Holotype collected from Rajasthan, Alwar district, Naranimata (27°08´22˝N and 76°20´38˝E). The type specimen has been deposited

in the national Museum of Prague. The species name refers to the two spots on elytra.

***Styphlomerus bimaculatus*** Hrdlicka

Genus ***Trichotichnus*** Morawitz, 1863

Sub Genus ***Bottchrus*** Jedlicka, 1935

6. ***Trichotichnus (Bottchrus) sikkimensis*** Kataev and Schmidt *Zootaxa,* **4323**(3): 301-358, 2017.

The species *Trichotichnus (Bottchrus) sikkimensis* was described by Boris M. Kataev and Joachim Schmidt from West-Sikkim, Pelling near Gezing (1900 m). The specific name refers to the Indian state Sikkim, from where the species was found.

Family CHRYSOMELIDAE

Genus ***Wallacea*** Baly, 1859

7. ***Wallacea jarawa*** Prathapan and Shameem *Zootaxa,* **4347**(2): 383-389, 2017.

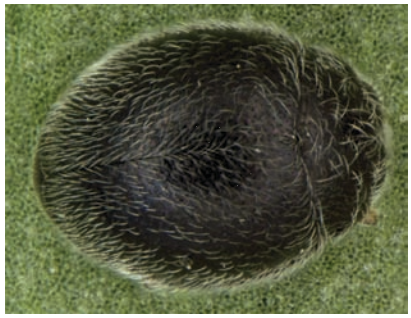
The species *Wallacea* jarawa was described by K.D. Prathapan and K.M. Shameem from Andaman & Nicobar Islands, South Andaman, Mitha Khari (11°39′22.7″N and 92°40′22.7″E). The new species was found infesting coconut palm (Cocos nucifera Linn.) The type specimens have been deposited at BMNH. The species has been named after the jarawa Aboriginal People of the Andaman Islands.

Family COCCINELLIDAE

Genus ***Stethorus*** Weise, (1908)

8. ***Stethorus (Allostethorus) forficatus*** Poorani *Zootaxa,* **4277**(4): 591-599, 2017.

The species *Stethorus (Allostethorus) forficatus* was described by J. Poorani based on a Holotype and five Paratypes collected from Tamil Nadu, Podavur, NRCB farm (10°47′20.16″N and 078°34′30.40″E), found feeding on Citrus mites. The type specimens have been deposited in the reference collections of ICAR- NBAIR, Bangalore, and ICAR- NRCB, Trichy. The species name refers to the forked/ scissor-shaped penis guide of the male genitalia of the species.



***Stethorus (Allostethorus) forficatus*** Poorani

Genus ***Sticholotis*** Crotch, (1874)

9. ***Sticholotis humida*** Poorani and Booth *Annales Zoologici,* **67**(2): 315-332, 2017.

The species *Sticholotis humida* was described by J. Poorani and Roger G. Booth based on a Holotype collected from Tamil Nadu, Kanyakumari, Pechiparai (08.26°N and 077.18°E) and eight Paratypes collected from Balehonnur, 867m; Padangady, 8km from Belthangady. The type specimens have been deposited in the reference collections of ICAR-NBAIR, Bangalore. The species was collected in the arecanut plantation and on moist trunks of arecanut used as live support for pepper vines and the species name refers to the damp, humid habitat of the species.

Family: CURCULIONIDAE

Genus ***Eucryptorrhynchus*** Devi, Dey and Ray , 2017

10. ***Eucryptorrhynchus khasiensis*** Devi, Dey and Ray *Oriental Insects,* **51**(1): 70-78, 2017.

The species *Eucryptorrhynchus khasiensis* was described by Devi *et al*, based on a Holotype and a Paratype collected from Meghalaya, Khasi hills. The type specimens have been deposited in NPC-IARI, New Delhi. The species has been named after the type locality.

Family LIMNICHIDAE

Genus ***Caccothryptus*** Sharp, 1902

11. ***Caccothryptus occidentalis*** Hernando and Ribera *Zootaxa,* **4243**(2): 366-370, 2017.

The species *Caccothryptus occidentalis* was described by Carles Hernando and Ignacio Ribera, from Uttarakhand, Dehradun District, Teen Pani (30°04′20″N and 78°12′23″E). The type specimen has been deposited in NMW. The species is named in reference to their known distribution, at the occidental extreme of the range of the genus.

Family SCARABAEIDAE

Genus ***Parachorius*** Harold, 1873

12. ***Parachorius asymmetricus*** Tarasov *Zootaxa,* **4329**(2): 101-149, 2017.

The species *Parachorius asymmetricus* was described by Sergei Tarasov from Tamil Nadu, Nilgiri Hills (11°25′1″N and 76°30′1″E). The type specimen has been deposited in BMNH. The species name has been derived from the word "asymmetrical" referring to the asymmetry of aedeagal parameres in the species.

Genus ***Pukupuku*** Muramoto, 2006

13. ***Pukupuku arunachalensis*** Gupta, Chandra and Bezděk *European Journal of Taxonomy*, **257**: 1-11, 2017.

The species *Pukupuku arunachalensis* was described by Gupta, Chandra and Bezděk based on a Holotype and five Paratypes collected from Arunachal Pradesh, Tirap district, Vijay Nagar, Namdapha National Park. The type specimens have been deposited in NZC, ZSIK. The species name *'arunachalensis'* refers to the Northeastern Himalayan state of India, Arunachal Pradesh.

***Pukupuku arunachalensis*** Gupta, Chandra and Bezděk

Genus ***Rhyssemus*** Mulsant, 1842

14. ***Rhyssemus rajasthani*** Rakovič, Mencl and Král *Studies and Reports Taxonomical Series,* **13**(1): 193-201.

The species *Rhyssemus rajasthani* was described by Rakovič *et al.*, based on a Holotype and twelve Paratypes collected from Rajasthan, Ajmer district (27°08.22′N and 76°20.39′E). The type specimens have been deposited in IRSB. The species name has been derived from the name of the Indian state of Rajasthan.

***Rhyssemus rajasthani*** Rakovič, Mencl and Král

Genus ***Tropiorhynchus*** Blanchard, 1851

15. ***Tropiorhynchus annandalei*** Gupta and Chandra *Zootaxa,* **4337**(4): 509-522, 2017.

The species *Tropiorhynchus annandalei* was described by Devanshu Gupta and Kailash Chandra based on a Holotype and six Paratypes collected from Maharashtra, Pune district, Bhimashankar Wildlife Sanctuary (19.1319°N and 73.5538°E). The type specimens have been deposited in NZC, ZSIK. The species has been named in the honour of Dr. Thomas Nelson Annandale, Founder Director of Zoological Survey of India, Kolkata.

***Tropiorhynchus annandalei*** Gupta and Chandra

Family STAPHYLINIDAE

Genus ***Batriscenellus*** Jeannel, 1958

16. ***Batriscenellus besucheti*** Jiang and Yin *Zootaxa,* **4318**(3): 561-575, 2017.

The species *Batriscenellus besucheti* was described by Jiang *et al.*, based on a Holotype collected from Meghalaya, Khasi Hills, Mawsynram–Balat. The type specimen has been deposited in MHNG, Switzerland. The species has been named after its collector, Claude Besuchet.

17. ***Batriscenellus carltoni*** Jiang and Yin *Zootaxa,* **4318**(3): 561-575, 2017.

The species *Batriscenellus carltoni* was described by Jiang *et al.*, based on a Holotype collected from Meghalaya, West Garo Hills district, Tura Peak (25°30′16″N and 90°14′38″E, 1200 m). The type specimens have been deposited in MHNG, Switzerland. The species has been named after the co-collector of the holotype, Christopher E. Carlton.

18. ***Batriscenellus cuccodoroi*** Jiang and Yin *Zootaxa,* **4318**(3): 561-575, 2017.

The species *Batriscenellus cuccodoroi* was described by Jiang *et al.*, based on a Holotype collected from Meghalaya, West Garo Hills district, Tur Peak (25°30′16″N

and 90°14'38"E, 1200 m). The type specimens have been deposited in MHNG, Switzerland. The species has been named after the co-collector of the Holotype, Giulio Cuccodoro.

19. ***Batriscenellus loebli*** Jiang and Yin *Zootaxa,* **4318**(3): 561-575, 2017.

The species *Batriscenellus loebli* was described by Jiang *et al.*, from Meghalaya, Ri Bhoi district, near Nongpoh (25°55'31"N and 91°52'25"E). The type specimens have been deposited in MHNG, Switzerland. The species was named after the co-collector of the holotype, Ivan Löbl.

Genus ***Neosclerus*** Cameron, 1924

20. ***Neosclerus anguliceps*** Assing *Linzer Biologische Beitraege,* **49**(1): 317-325, 2017.

The species *Neosclerus anguliceps* was described by Volker Assing from Kerala, Thiruvananthapuram district, 0.6 km NE Kallar, rocky stream confluent to Kallar river (08°42′50″N and 77°07′51″E). The type specimen has been deposited in NHMW. The species name refers to the pronounced posterior angles of the head.

## FIFTEEN NEW SPECIES OF DIPTERA

Family CERATOPOGONIDAE

Genus ***Culicoides*** Latreille, 1809

1. ***Culicoides pseudosimilis*** Saha, Brahma and Hazra *Annales de la Société entomologique de France* (N.S.), 2017.

The species *Culicoides pseudosimilis* was described by Poulami Saha, Shubhranil Brahma and Niladri Hazra, based on a Holotype collected from West Bengal, Tapan (25°18′05.9″N and 88°34′20.1″E); and six Paratypes collected from Jharkhand, Maithon (23°78′00″N and 86°81′00″E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the apparent similarity with *Culicoides similis*.

Family CHIRONOMIDAE

Genus ***Chironomus*** Meigen (1803)

2. ***Chironomus (Lobochironomus) bifidus*** Pal and Hazra *Far Eastern Entomologist,* **338**: 10-15, 2017.

The species *Chironomus (Lobochironomus) bifidus* was described by G. Pal and N. Hazra, based on a Holotype and five Paratypes collected from West Bengal, Malda, Gour (24°90′ N and 88°11′ E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the Latinized version of dorsal split setae of inferior volsella.

Genus ***Polypedilum*** Kieffer, 1912

3. ***Polypedilum (Polypedilum) aduncum*** Hazra and Konar *Oriental Insects* Volume 51, Issue 3, 2017.

The species *Polypedilum* (*Polypedilum) aduncum* was described by Niladri Hazra and Sanghamitra Konar, based on a Holotype collected from West Bengal, Panrui village (26°18′N and 91°73′E) and two Paratypes collected from West Bengal, Kestopur village (27°24′N and 88°14′E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the Latinized version of hooked apex of superior volsella.

Family CULICIDAE

Genus ***Uranotaenia*** Lynch Arribalzaga, 1891

4. ***Uranotaenia (Pseudoficalbia) dandakaranyensis*** Natarajan, Rajavel and Jambulingam *Zootaxa,* **4227**(2): 251-265, 2017.

The species Uranotaenia (Pseudoficalbia) dandakaranyensis was described by Natarajan *et al.*, from Chhattisgarh.

5. ***Uranotaenia (Pseudoficalbia) maikalensis*** Natarajan, Rajavel and Jambulingam *Zootaxa,* **4227**(2): 251-265, 2017.

The species Uranotaenia (Pseudoficalbia) maikalensis was described by Natarajan *et al.*, from Chhattisgarh.

6. ***Uranotaenia (Pseudoficalbia) satpuraensis*** Natarajan, Rajavel and Jambulingam *Zootaxa,* **4227**(2): 251-265, 2017.

The species Uranotaenia (Pseudoficalbia) satpuraensis was described by Natarajan *et al.*, from Chhattisgarh.

Family DROSOPHILIDAE

Genus ***Lordiphosa*** Basden, 1961

7. ***Lordiphosa ayarpathaensis*** Kandpal and Singh *Zookeys,* **2017**(688): 49-79, 2017.

The species *Lordiphosa* ayarpathaensis was described by Kandpal *et al.*, based on a Holotype and twenty-six Paratypes collected from Uttarakhand, Kumaon, Nainital district, Ayarpatha (29°23'N and 79°27'E, 2,278 m). The Holotype specimens have been deposited in DZHNBGU, some Paratypes in NZC, ZSIK and the remaining Paratypes in SEHU. The species name refers to the type locality.

8. ***Lordiphosa curva*** Fartyal and Toda *Zookeys,* **2017**(688): 49-79, 2017.

The species *Lordiphosa* curva was described by Fartyal *et al.*, based on a Holotype and twenty-six Paratypes collected from Uttarakhand, Rudraprayag District, Chopta Forest (30°27.560'N and 79°15.234'E, 2,700 m). The Holotypes and some Paratypes of the new species have been deposited in DZHNBGU, some paratypes in NZC, ZSIK and the remaining paratypes in SEHU. The specific name, curva = "curved" refers to the paramere basally curved ventrally.

9. ***Lordiphosa makaibarensis*** Pradhan and Chatterjee *Zookeys,* **2017**(688): 49-79, 2017.

The species Lordiphosa makaibarensis was described by Pradhan *et al.*, based on a Holotype and ten Paratypes collected from West Bengal, Darjeeling, Kurseong (26°53'N and 88°17'E, 1,458 m). The Holotypes and some Paratypes of the new species have been deposited in the DZHNBGU, some paratypes in NZC, ZSIK and the remaining paratypes in SEHU. The species name refers to the "Makaibari tea estates"- the first tea factory in the world, established in 1859, in Kurseong, Darjeeling, West Bengal.

10. ***Lordiphosa srinagarensis*** Sati and Fartyal *Zookeys,* **2017**(688): 49-79, 2017.

The species Lordiphosa srinagarensis was described by Sati *et al.*, based on a Holotype and three Paratypes collected from Uttarakhand, Srinagar Garhwal, Tehri district, HNBGU Forestry Nursery Chauras Campus (30°13'N and 78°47'E, 560 m). The Holotypes and some paratypes of the new species have been deposited in the DZHNBGU, some paratypes in NZC, ZSIK and the remaining paratypes in SEHU. The species name refers to the type locality.

Family PLATYSTOMATIDAE

Genus ***Plagiostenopterina*** Hendel 1912

11. ***Plagiostenopterina sagarensis*** Roy, Parui and Mitra *Zootaxa*, **4294**(4): 487-493, 2017.

The species *Plagiostenopterina sagarensis* was described by Roy *et al.*, based on a Holotype and a Paratype collected from West Bengal, Sunderban Biosphere Reserve, Sagar Island, Sikarpur (21°48.462´N and 088°10.038´E). The type specimens have been deposited in NZC, ZSIK. The new species was found to visit the flowers of *Nypafruticans* (Local name: Golpata) at Sagar Island and the specific name refers to the type-locality.

***Plagiostenopterina sagarensis*** Roy, Parui and Mitra

Family TABANIDAE

Genus ***Tabanus*** Linnaeus, 1758

12. ***Tabanus pseudoannularis*** Maity, Naskar, Hazra, Sengupta, Parui and Banerjee *Journal of Entomology*, **79**(1): 6-8, 2017.

The species *Tabanus pseudoannularis* was described by Maity *et al.*, based on a Holotype collected from West Bengal, Darjeeling, Lower Phaperkheti (27°01'52.2''N and 88°41'39.8''E, 894m), and four Paratypes collected from West Bengal, Darjeeling, Upperkuapani (27°02'50.9 N and 88°41'05.0 E, 1409 m). The type specimens have been deposited in NZC, ZSIK. The species was named after its closely related species, *Tabanus biannularis*.

***Tabanus pseudoannularis*** Maity, Naskar, Hazra, Sengupta, Parui and Banerjee

Family TEPHRITIDAE

Genus ***Bactrocera*** Macquart, 1835

13. ***Bactrocera (Sinodacus) brevipunctata*** David and Hancock *Zootaxa,* **4272**(3): 386-400, 2017.

The species *Bactrocera (Sinodacus) brevipunctata* was described by Dr. K.J. David and Dr. D.L. Hancock, based on a Holotype and four Paratypes collected from Maharashtra, Konkan region. The type specimens have been deposited in ICAR-NBAIR. The specific name refers to the narrow presutural spot on the scutum.

14. ***Bactrocera (Bactrocera) furcata*** David and Hancock *Zootaxa,* **4272**(3): 386-400, 2017.

The species *Bactrocera (Bactrocera) furcata* was described by Dr. K.J. David and Dr. D.L. Hancock, based on a Holotype collected from Karnataka, Sirsi, Navanegere. The type specimens have been deposited in UASB. The species name is based on the forked appearance of the aculeus tip.

Genus ***Gastrozona*** Bezzi, 1913

15. ***Gastrozona nigrifemur*** David and Hancock *Zootaxa,* **4216**(1): 055-064, 2017.

The species *Gastrozona nigrifemur* was described by Dr. K.J. David and Dr. D.L. Hancock, based on Holotype collected from Karnataka, Kunigal; and Chikkaballapur, Kaiwara. The species was found on the plant,

*Dendrocalamus strictus* (Roxb.). The type specimens have been deposited in ICAR-NBAIR and UASB. The species name refers to the black colour of femur.

***Gastrozona nigrifemur*** David and Hancock

## FOUR NEW SPECIES OF EPHEMEROPTERA

Family HEPTAGENIIDAE

Genus ***Thalerosphyrus*** Eaton, 1881

1. ***Thalerosphyrus meghalayensis*** Selvakumar and Chandra *Zootaxa,* **4350**(1): 084-090, 2017.

The species *Thalerosphyrus meghalayensis* was described by C. Selvakumar and Kailash Chandra, based on a Holotype collected from Meghalaya, East Khasi Hills district, Lawsohtun, Umjasai Nala (25°30'56.16"N and 91°51'20.16"E, 1707 m) and fifteen Paratypes collected from different localities of Meghalaya. The type specimens have been deposited in NZC, ZSIK. The species name refers to the Indian State, Meghalaya.

***Thalerosphyrus meghalayensis*** Selvakumar and Chandra

Family LEPTOPHLEBIIDAE

Genus ***Choroterpes*** Eaton, 1881

2. ***Choroterpes (Choroterpes) kaegies*** Selvakumar, Subramanian and Chandra *Zootaxa,* **4338**(1): 189-194, 2017.

The species *Choroterpes (Choroterpes) kaegies* was described by C. Selvakumar, Kailash Chandra and K.G. Sivaramakrishnan, based on a Holotype collected from Meghalaya, East Khasi Hills, Khrang village, Wankwar River (25.32481´N, 91.77519´E, 1658 m) and nine Paratypes collected from different localities of Meghalaya. The type specimens have been deposited in NZC, ZSIK. The species has been named "kaegies" (pronounced as KGS) in the honour of Prof. K.G. Sivaramakrishnan who has significantly contributed to Ephemeroptera taxonomy in India.

***Choroterpes (Choroterpes) kaegies*** Selvakumar, Subramanian and Chandra

3. ***Choroterpes (Dilatognathus) nicobarensis*** Selvakumar and Chandra *Zootaxa,* **4268**(3): 439-447, 2017.

The species *Choroterpes (Dilatognathus) nicobarensis* was described by C. Selvakumar and Kailash Chandra, based on a Holotype collected from Andaman and Nicobar Islands, Nicobar District, Great Nicobar Biosphere Reserve (GNBR), Galathea tributary (6.5889´N, 93.5186´E, 62 m); and seven Paratypes collected from different localities of Andaman and Nicobar Islands. The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.

***Choroterpes (Dilatognathus) nicobarensis*** Selvakumar and Chandra

Family PROSOPISTOMATIDAE

Genus ***Prosopistoma*** Laterille, 1833

4. ***Prosopistoma someshwarensis*** Ramya-Roopa, Selvakumar and Subramanian *Zootaxa,* **4242**(3): 591-599, 2017.

The species *Prosopistoma someshwarensis* was described by Ramya-Roopa *et al.*, based on a Holotype collected from Karnataka, Someshwara Wildlife Sanctuary, Seethanadi River (13°28′49.82′N, 075°02′43.77′E, 91 m); and twenty-three Paratypes collected from different localities of Karnataka. The type specimens have been deposited in NZC, ZSI-SRC. The species name refers to the type locality.

***Prosopistoma someshwarensis*** Ramya-Roopa, Selvakumar and Subramanian

## FOUR NEW GENERA AND SEVENTEEN NEW SPECIES OF HEMIPTERA

Family APHIDIDAE

Genus ***Kaochiaoja*** Tao, 1963

1. ***Kaochiaoja sikkimensis*** Joshi and Blackman *Zootaxa,* **4363**(4): 569-575, 2017.

The species *Kaochiaoja sikkimensis* was described by Sunil Joshi and R.L. Blackman from Sikkim, Upper Tadong area of Gangtok, East Sikkim. The species was collected from the plant, *Phyllostachys* sp. (Poaceae). The type specimen has been deposited at NBAIR. The species name refers to the Indian State, Sikkim.

Family ALEYRODIDAE

Genus ***Himalayaleyrodes*** Dubey, 2017

2. ***Himalayaleyrodes sarcococcae*** Dubey and Singh *Zootaxa,* **4269**(4): 531-544, 2017.

The genus *Himalayaleyrodes* and the species *Himalayaleyrodes sarcococcae* was described by Anil Kumar Dubey and Sudhir Singh, based on a Holotype collected from Uttarakhand, Dhanaulti (30.45°N and 78.25°E, 7510 m) and a Paratype collected from Himachal Pradesh, Mundaghat (31.10°N and 77.25°E, 7510 m). The species was collected from the plant: *Sarcococca saligna* (D. Don) Muell. Arg. The type specimens have been deposited in NFIC-FRI; Dehradun.The genus name refers to the snow-covered Himalayas and the species has been named after its host plant genus *"Sarcococca"*.

Genus ***Setaleyrodes*** Takahashi, 1931

3. ***Setaleyrodes machili*** Dubey *Zootaxa,* **4363**(2): 291-300, 2017.

The species *Setaleyrodes machili* was described by A.K. Dubey based on a Holotype collected from Himachal Pradesh, Kufri, and Dhanaulti, Nainital in Uttarakhand. The species was collected from the plant: *Machilus odoratissima* Nees. The type specimens have been deposited in NFIC-FRI; Dehradun. The species has been named after its host plant genus *"Machilus"*.


***Setaleyrodes machili*** Dubey

Family CICADELLIDAE

Genus ***Chandra*** Meshram, 2017

4. ***Chandra dehradunensis*** Meshram, Shashank and Sinha *PLOS ONE,* 12(5): e0177644, 2017.

The genus *Chandra* and the species Chandra dehradunensis was described by Meshram *et al.*, based on a Holotype and four Paratypes collected from Uttarakhand, Dehradun, Muktapakhari, New Chakrata (30.3165° N and 78.0322° E). The type specimens have been deposited in NPC and USAB. The genus has been named in honour of Prof. Chandrashekhara A. Viraktamath for his contributions to leaf hopper taxonomy, and the species name refers to the type locality.

***Chandra dehradunensis*** Meshram, Shashank and Sinha

Genus ***Nirvana*** Kirkaldy, 1900

5. ***Nirvana subsuturalis*** Meshram and Rai *Zootaxa,* **4303**(2): 264-272, 2017.

The species Nirvana subsuturalis was described by Naresh M. Meshram and Stuti Rai from Meghalaya.

Genus ***Mahellus*** Nielson, 1982

6. ***Mahellus ungulatus*** Viraktamath and Meshram *Zootaxa*, **4258**(3): 271-280, 2017.

The species *Mahellus ungulatus* was described by C.A. Viraktamath and Naresh M. Meshram, based on a Holotype collected from West Bengal, Sukna. The type specimen has been deposited in UASB. The species name refers to the finger- like extensions of the pygofer process.

Genus ***Sophonia*** Walker 1870

7. ***Sophonia tridenta*** Meshram *Zootaxa,* **4243**(3): 577-588, 2017.

The species *Sophonia tridenta* was described by Naresh M. Meshram, based on a Holotype collected from Sikkim, Gangtok (27°19'48"N and 88°37'12"E) and the type specimen has been deposited in NPC, Delhi. The species name refers to the tridentate spine like process on the pygofer process.

8. ***Sophonia vidarvya*** Meshram *Zootaxa,* **4243**(3): 577-588, 2017.

The species *Sophonia vidarvya* was described by Naresh M. Meshram, based on a Holotype collected from Meghalaya, Barapni (25°39'11.52"N and 91°53'3.48 E). The type specimen has been deposited in NPC. The species name refers to the aedeagal shaft of the species which lacks a hoodlike expansion anteriorly.

9. ***Sophonia intricata*** Meshram *Zootaxa,* **4243**(3): 577-588, 2017.

The species *Sophonia intricata* was described by Naresh M. Meshram, based on a Holotype collected from Himachal Pradesh, Katrain (32.1297°N and 77.1241°E). The type material has been deposited in NPC. The species name refers to the very complicated structure of the aedeagus.

Genus ***Aloka*** Viraktamath and Dietrich, 2017

10. ***Aloka depressa*** Viraktamath and Dietrich *Entomologica Americana,* **122**(3): 451-460, 2017.

The genus *Aloka* and species *Aloka depressa* was described by Chandra A. Viraktamath and Christopher H. Dietrich, based on a Holotype collected from Karnataka, 36 Km of West Jog Falls. The type specimen has been deposited in USAB. The genus name *Aloka* is derived from Sanskrit word "aloka" meaning vision or appearance.

***Aloka depressa*** Viraktamath and Dietrich

Family CICADIDAE

Genus ***Platypleura*** Amyot & Audinet-Serville, 1843.

11. ***Platypleura poorvachala*** Marathe, Yeshwanth, Basu and Kunte *Zootaxa,* **4311**(4): 523-536, 2017.

The species *Platypleura poorvachala* was described by Marathe *et al.*, based on a Holotype collected from Andhra Pradesh, near Nagalapuram, a village in Chittoor District (13.4000°N and 79.7833°E) and four Paratypes collected from different localities of Andhra Pradesh. The Holotype specimen has been deposited in GKVK, Bengaluru and the Paratype specimens have been deposited in NCBS, Bengaluru. The specific name refers to the type locaity of the species in the Eastern Ghats Mountains of peninsular India.

***Platypleura poorvachala*** Marathe, Yeshwanth, Basu and Kunte

Family GEOCORIDAE

Genus ***Indopamphantus*** Malipatil, 2017

12. ***Indopamphantus makutaensis*** Malipatil *Zootaxa,* **4242**(2): 281-298, 2017.

The genus *Indopamphantus* and the species *Indopamphantus makutaensis* was described by M.B. Malipatil, based on a Holotype collected from Karnataka, Makuta Range area within Coorg district (12°04'39''N and 75°43'33''E). The species was collected from the canopy of *Vateria indiaca* Linn. The type specimen has been deposited in UASB. The species name refers to the Makuta range locality, within the Western Ghats in South India, from where the specimens were collected.

Family GERRIDAE

Genus ***Eotrechus*** Kirkaldy, 1902

13. ***Eotrechus fuscus*** Basu, Chandra and Venkatesan *Acta Entomologica Musei Nationalis Pragae*, **57**(2): 391-398, 2017.

The species *Eotrechus fuscus* was described by Srimoyee Basu, Kailash Chandra and Thiruvengadam Venkatesan, based on a Holotype collected from Sikkim, West Sikkim District, Rimbi Waterfalls (27.314035°N and 88.186561°E, 1266m). The type specimen has been deposited in NZC, ZSIK. The species name refers to the dark black coloration of the species.

***Eotrechus fuscus*** Basu, Chandra and Venkatesan

Family MESOVELIIDAE

Genus ***Mesovelia*** Mulsant & Rey, 1852

14. ***Mesovelia lillyae*** Jehamalar and Chandra *Zootaxa,* **4312**(2): 368-380, 2017.

The species *Mesovelia lillyae* was described by E. Eyarin Jehamalar and Kailash Chandra, based on a Holotype collected from Tamil Nadu, Kanyakumari District, Unnamalaikadai Pond (08°18'16.64''N and 077°14'05.50''E); and nine Paratypes collected from different localities of Tamil Nadu. The type specimens have been deposited in NZC, ZSIK. The species has been named after Mrs. C. Lilly Sarojini Bai, the mother of the first author, for her encouragements.

15. ***Mesovelia kumaria*** Jehamalar and Chandra *Zootaxa,* **4312**(2): 368-380, 2017.

The species *Mesovelia kumaria* was described by E. Eyarin Jehamalar and Kailash Chandra, based on a Holotype collected from Tamil Nadu, Kanyakumari District, Nagercoil ,Scott Christian College (08°10'58.2''N and 077°24'20.3''E); and two Paratypes collected from Pallenvilai Village (08°18'03.49''N and 077°12' 54.67''E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.

16. ***Mesovelia easaci*** Jehamalar and Chandra *Zootaxa,* **4312**(2): 368-380, 2017.

The species *Mesovelia easaci* was described by E. Eyarin Jehamalar and Kailash Chandra, based on a Holotype collected from Meghalaya, West Garo Hills District, Dalu Village, Sacred Heart Church (25°12'44.73" N and 90°13'21.29" E) and sixteen Paratypes collected from different localities of Madhya Pradesh. The type specimens have been deposited in NZC, ZSIK and the specimens from Madhya Pradesh are deposited in NZC, ZSI-CZRC, Jabalpur. The species has been named after Mr. J. Easac, the father of the first author, for his constant support.

Family PENTATOMIDAE

Genus ***Brachycoris*** Stål, 1871

17. ***Brachycoris tralucidus*** Salini *Zootaxa,* **4236**(3): 563-572, 2017.

The species *Brachycoris tralucidus* was described by Dr. S. Salini, based on a Holotype collected from Karnataka, Sulliya, Dakshina Kannada and three Paratypes collected from Karnataka, Bangalore, Hebbal; Tamil Nadu, Periyakulam; and Karnataka, Bangalore, GKVK. The Holotype and two Paratypes have been deposited in ICAR-NBAIR and one Paratype has been deposited in UASB. The species name refers to the transparent nature of the membrane of hemelytra in the species.

***Brachycoris tralucidus*** Salini

## TWO NEW GENERA AND FORTY NINE NEW SPECIES OF HYMENOPTERA

Family BETHYLIDAE

Genus ***Megaprosternum*** Azevedo (2006)

1. ***Megaprosternum cleonarovorum*** Gupta and Azevedo *Zootaxa*, **4237**(1): 1-11, 2017.

The species *Megaprosternum cleonarovorum* was described by Gupta *et al.*, based on a Holotype and five Paratypes collected from Karnataka, Bangalore, Hebbal. The new species was found to be a gregarious larval ectoparasitoid of *Cleonaria bicolor* Thomson, on the host plant *Ixora coccinea* Linn. The type specimens have been deposited in ICAR-NBAIR. The species name has been derived from its host.

***Megaprosternum cleonarovorum*** Gupta and Azevedo

Family BRACONIDAE

Genus ***Indohormius*** Ranjith, Belokobylskij and Quicke, 2017.

2. ***Indohormius keralaensis*** Ranjith, Belokobylskij and Quicke *Zootaxa*, **4272**(3): 371-385, 2017.

The genus *Indohormius* and species *Indohormius keralaensis* was described by Ranjith *et al.*, based on a Holotype collected from Kerala, Kozhikode, (11.2937° N and 75.7749° E) and three Paratypes collected from different localities of Kerala. The type specimens have been deposited in DZUC. The genus has been named by the combination of the type locality, *"India"* and the name of the type genus of subfamily Hormiinae, "*Hormius*"; the species name refers to the type locality.

***Indohormius keralaensis*** Ranjith, Belokobylskij and Quicke

Genus ***Lyricibracon*** Quicke 1988

3. ***Lyricibracon jenningsi*** Ranjith *Zootaxa*, **4227**(3): 422-430, 2017.

The species *Lyricibracon jenningsi* was described by A. P. Ranjith, based on a Holotype collected from Kerala, Malappuram, Calicut University Botanical Garden (11°13'N and 75°89'E). The type specimen has been deposited in DZUC. The species has been named in honour of Dr. John T. Jennings (University of Adelaide, Australia) in appreciation for his support and encouragement.

***Lyricibracon jenningsi*** Ranjith

Genus ***Testudobracon*** Quicke 1986

4. ***Testudobracon athashi*** Ranjith *Zootaxa,* **4232**(3): 331-346, 2017.

The species *Testudobracon athashi* was described by A.P. Ranjith, based on a Holotype collected from Kerala,

Kozhikode, Urakkuzhi (11.554708°N and 75.922966°E) and two Paratypes collected from different localities of Kerala. The type specimens have been deposited in DZUC. The species has been named after Mr. Athash Nasser.

***Testudobracon athashi*** Ranjith

5. ***Testudobracon malabaricus*** Sheeba *Zootaxa,* **4232**(3): 331-346, 2017.

The species *Testudobracon malabaricus* was described by M. Sheeba, based on a Holotype collected from Kerala, Malappuram, Calicut University Campus (11°13'N and 75°89'E) and five Paratypes collected from different localities of Kerala. The type specimens have been deposited in DZUC. The species name refers to the type locality.

***Testudobracon malabaricus*** Sheeba

6. ***Testudobracon shameeri*** Ranjith *Zootaxa,* **4232**(3): 331-346, 2017.

The species *Testudobracon shameeri* was described by A.P. Ranjith, based on a Holotype collected from Kerala, Kozhikode, Panikkarkadavu (11.554708°N and 75.922966°E). The type specimen has been deposited in DZUC. The species has been named after Mr. Shameer, K.S. for his encouragement.

***Testudobracon shameeri*** Ranjith

7. ***Testudobracon travancorensis*** Sheeba *Zootaxa,* **4232**(3): 331-346, 2017.

The species *Testudobracon travancorensis* was described by M. Sheeba, based on a Holotype collected from Kerala, Thiruvananthapuram, Travancore, Palode (8.7244° N and 77.0248° E). The type specimen has been deposited in DZUC. The species name refers to the type locality.

***Testudobracon travancorensis*** Sheeba

Family EUCHARITIDAE

Genus ***Psilocharis*** Heraty, 1994

8. ***Psilocharis heratyi*** Ayyamperumal and Manickavasagam *Oriental Insects,* **51**(2): 108-115, 2017.

The species *Psilocharis heratyi* was described by Mani Ayyamperumal and Sagadai Manickavasagam, based on a Holotype collected from Tamil Nadu, Salem, Yercaud hills (11.47°N and 078.12°E). The type specimen has been deposited in EDAU. The species has been named after the eminent eucharitid expert, Dr. John Michael Heraty of the University of California, USA.

***Psilocharis heratyi*** Ayyamperumal and Manickavasagam

Genus ***Stilbula*** Spinola, 1811

9. ***Stilbula bullista*** Kumar *Munis Journal of Entomology and Zoology, Turkey,* **12**(1): 288-308, 2017.

The species *Stilbula bullista* was described by P. Girish Kumar, based on a Holotype collected from Kerala, Malappuram District, Pullangode Reserve Forest, Chenappadi (11°12'N and 76°20'E). The type specimens have been deposited in NZC, ZSI-WGRC. The species epithet is an anagram of the generic name *'Stilbula'*.

***Stilbula bullista*** Kumar

10. ***Stilbula muthangensis*** Kumar *Munis Journal of Entomology and Zoology, Turkey,* **12**(1): 288-308, 2017.

The species *Stilbula muthangensis* was described by P. Girish Kumar, based on a Holotype collected from Kerala, Wayanad district, Muthanga Wildlife Sanctuary (11°44' N and 76°29' E). The type specimens have been deposited in NZC, ZSI- WGRC. The species name refers to the type locality.

***Stilbula muthangensis*** Kumar

11. ***Stilbula namida*** Kumar *Munis Journal of Entomology and Zoology, Turkey,* **12**(1): 288-308, 2017.

The species *Stilbula namida* was described by P. Girish Kumar, based on a Holotype collected from Kerala, Kozhikode District, Nanminda (11°26'N and 75° 50'E). The type specimens have been deposited in NZC, ZSI-WGRC. The species name is an arbitrary combination of letters.

***Stilbula namida*** Kumar

12. ***Stilbula shendurunica*** Kumar *Munis Journal of Entomology and Zoology, Turkey,* **12**(1): 288-308, 2017.

The species *Stilbula shendurunica* was described by P. Girish Kumar, based on a Holotype collected from Kerala, Kollam District, Shenduruni Wildlife Sanctuary (8°51'N and 77°13'E). The type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the type locality.

***Stilbula shendurunica*** Kumar

13. ***Stilbula silentvalliensis*** Kumar *Munis Journal of Entomology and Zoology, Turkey,* **12**(1): 288-308, 2017.

The species *Stilbula silentvalliensis* was described by P. Girish Kumar, based on a Holotype collected from Kerala, Palakkad District, Silent Valley (11°04'N and 76°31'E). The type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the type locality.

***Stilbula silentvalliensis*** Kumar

Family EULOPHIDAE

Genus ***Baeoentedon*** Girault, 1915

14. ***Baeoentedon farazi*** Jamali and Zeya *Bionotes,* **19**(3): 116, 2017.

The species *Baeoentedon farazi* was described by Mohd. Majid Jamali and Shahid Bin Zeya, based on a Holotype collected from Karnataka, Bengaluru, Kaval. The type specimen has been deposited in ZDAMU. The species has been named in the memory of the first author's closest friend, Faraz Ul Haque.

Genus ***Chrysonotomyia*** Ashmead, 1904

15. ***Chrysonotomyia ricini*** Parshuram and Agnihotri *Journal of Entomology and Zoology Studies,* **5**(3): 323-326, 2017.

The species *Chrysonotomyia ricini* was described by More Sandip Parshuram and Meena Agnihotri, based on a Holotype and seven Paratypes collected from Uttarakhand, Pantnagar (29.0210° N and 79.4897° E). The species develops as endoparasitoids in immature stages of various phytophagous insect namely, *Liriomyza trifolii* (Burgess), collected from the host plant: castor, *Ricinus communis* Linn. The tpes specimens have been deposited in the Insect Museum, Department of Entomology, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand. The species has been named after the host plant of *Liriomyza trifolii*.

Genus ***Pomphale*** Husain and Kudeshia, 1983

16. ***Pomphale atturensis*** Jamali and Zeya *Bionotes,* **19**(3): 116, 2017.

The species *Pomphale atturensis* was described by Mohd. Majid Jamali and Shahid Bin Zeya based on a Holotype collected from Karnataka, Bengaluru, Attur. The type specimen has been deposited at ZDAMU. The species name refers to the type locality.

Genus ***Tetrastichus*** Haliday, 1844

17. ***Tetrastichus paraponyxi*** Santhosh and Karthikeyan *Oriental Insects,* 2017.

The species *Tetrastichus paraponyxi* was described by Shreevihar Santhosh and Kolandhaivelu Karthikeyan based on a Holotype and twenty-three Paratypes collected from Kerala, RARS Melmuri, 1.4kms from Pattambi, Palghat (10°48'N and 76°12'E). The species was found to be a Parasite of *Parapoynx stagnalis* (Zeller). The type specimens have been deposited in NZC, ZSI-WGRC.

***Tetrastichus paraponyxi*** Santhosh and Karthikeyan

Family ENCYRTIDAE

Genus ***Anagyrus*** Howard, 1896

18. ***Anagyrus deccanus*** Zeya and Jamali *Oriental Insects,* 2017.

The species *Anagyrus deccanus* was described by Zeya *et al.*, based on a Holotype collected from Andhra Pradesh, Krishna, Chepalakundi; and four Paratypes collected from Andhra Pradesh, Guntur, Rajmandi. The type specimens have been deposited in NPC, New Delhi. The species name has been derived from the 'Deccan plateau', referring to the type locality.

Genus ***Cryptanusia*** Girault, 1917

19. ***Cryptanusia bela*** Zeya and Fatima *Oriental Insects,* 2017

The species *Cryptanusia bela* was described by Zeya *et al.*, based on a Holotype collected from Sikkim, Pakyong. The type specimen has been deposited at ICAR-NBAIR. The species name is an arbitrary combination of letters.

Genus ***Xenostryxis*** Girault, 1920

20. ***Xenostryxis noyesi*** Fatima and Zeya *Journal of Entomology and Zoology Studies,* **5**(4): 1819-1824, 2017.

The species *Xenostryxis noyesi* was described by Farha Fatima and Shahid Bin Zeya, based on a Holotype collected from Andhra Pradesh, Vishakhapatnam, Araku Valley. The type specimens have been deposited in ZDAMU. The species has been named after the eminent encyrtidist, Dr. J.S. Noyes, of the Natural History Museum, London.

Family FORMICIDAE

Genus ***Carebara*** Westwood, 1840

21. ***Carebara quratulain*** Akbar and Bharti *Journal of Entomological Research Society,* **19**(3): 35-43, 2017.

The species *Carebara quratulain* was described by Shahid Ali Akbar and Himender Bharti based on a Holotype and three Paratypes collected from Kerala, Salim Ali Bird Sanctuary (10°45′N and 76° 44′E). The type specimens have been deposited in PUAC. The species epithet is Arabic for pleasure to eyes, in reference to beautiful appearance of the new species.

***Carebara quratulain*** Akbar and Bharti

Genus: ***Pseudolasius*** Emery, 1887

22. ***Pseudolasius zamrood*** Akbar, Bharti and Wachkoo *Sociobiology,* **64**(2): 133-137, 2017.

The species *Pseudolasius zamrood* was described by Akbar *et al.*, based on a Holotype and thirteen Paratypes collected from Kerala, Periyar tiger reserve, Thanikkudy, (9°30′N and 77°16′E, 1003m). The Holotype has been deposited in PUAC and the Paratypes have been deposited in BMNH. The species epithet is Arabic for 'precious stone' in reference to habitat of the new species.

***Pseudolasius zamrood*** Akbar, Bharti and Wachkoo

Genus ***Tetramorium*** Mayr, 1855

23. ***Tetramorium jarawa*** Agavekar, Garcia and Economo *PeerJ,* DOI 10.7717/peerj.3800, 2017.

The species *Tetramorium jarawa* was described by Agavekar *et al.*, based on a Holotype and a Paratype collected from Andaman Islands archipelago, Havelock Island (11.975817°N and 93.016897°E). The type specimens have been deposited in NCBS and NZC, ZSI-WGRC. The species has been named after the Jarawas, an indigeneous people from the Andaman Islands.

***Tetramorium jarawa*** Agavekar, Garcia and Economo

24. ***Tetramorium krishnani*** Agavekar, Garcia and Economo *PeerJ,* DOI 10.7717/peerj.3800, 2017.

The species *Tetramorium krishnani* was described by Agavekar *et al.*, based on a Holotype and seven Paratypes collected from Andaman Islands archipelago, Havelock Island (12.003499°N and 92.993196° E, 93 m). The type specimens have been deposited in NCBS and NZC, ZSI- WGRC. The species has been named in memory of Dr. K.S. Krishnan (Prof. Emeritus, NCBS) for his appreciation of scientific achievements and his enthusiasm for wildlife research.

***Tetramorium krishnani*** Agavekar, Garcia and Economo

Genus ***Tyrannomyrmex*** Fernandez 2003

25. ***Tyrannomyrmex alii*** Sadasivan and Kripakaran *Zootaxa,* **4344**(2): 261-276, 2017.

The species *Tyrannomyrmex alii* was described by Kalesh Sadasivan and Manoj Kripakaran, based on a Holotype collected from Kerala, Vallakadavu Range, Periyar National Park and Wildlife Sanctuary. The species has been named after the eminent myrmecologist, Musthak Ali, who is regarded as the 'Ant-Man'of India.

Family MUTILLIDAE

Genus ***Odontomutilla*** Ashmead 1899

26. ***Odontomutilla paderua*** Das and Kumar *Zootaxa,* **4290**(2): 373-376, 2017.

The species *Odontomutilla paderua* was described by Dipanwita Das and Girish Kumar based on a Holotype collected from Andhra Pradesh, Vishakapatnam, Paderu (18.0806˚N and 82.6645˚E) and a Paratype collected from Himachal Pradesh, Kangra (32.0669˚N and 76.3637˚E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.

***Odontomutilla paderua*** Das and Kumar

Family MYMARIDAE

Genus ***Acmopolynema*** Ogloblin, 1946

27. ***Acmopolynema pseudotachikawai***

Manickavasagam and Palanivel *Journal of Natural History,* Volume **51**, 2017-Issue 33-34, 2017.

The species *Acmopolynema pseudotachikawai* was described by Manickavasagam *et al.*, based on a Holotype collected from Tamil Nadu, Salem, Yercaud (11.49°N and 78.10°E). The type specimen has been deposited at EDAU. The species was named after the other species in the genus *Acmopolynema tachikawai* Taguchi.

***Acmopolynema pseudotachikawai*** Manickavasagam and Palanivel

28. ***Acmopolynema pteron*** Manickavasagam and Palanivel *Journal of Natural History,* **51**: 33-34, 2017.

The species *Acmopolynema pteron* was described by Manickavasagam *et al.*, based on a Holotype collected from Tamil Nadu, Salem, Yercaud (11.49°N and 78.10°E). The type specimen has been deposited at EDAU. The species name refers to a wing, in Greek language.

***Acmopolynema pteron*** Manickavasagam and Palanivel

Genus ***Allanagrus*** Noyes & Valentine 1989

29. ***Allanagrus montanus*** Manickavasagam and Palanivel *Zootaxa,* **4299**(4): 507-520, 2017.

The species *Allanagrus montanus* was described by Manickavasagam *et al.*, based on a Holotype collected from Tamil Nadu, Namakkal, Kolli hills (11°24′N and78°33′E). The species name refers to the hilly terrain of the type locality.

30. ***Allanagrus orientalis*** Manickavasagam and Palanivel *Zootaxa,* **4299**(4): 507-520, 2017.

The species *Allanagrus orientalis* was described by Manickavasagam *et al.*, based on a Holotype and six Paratypes collected from Tamil Nadu, Salem, Yercaud (11°49′N and 78°10′E). The type specimens have been deposited in ICAR- NBAIR. The species name refers to the zoogeographical region of the type locality.

Genus ***Lymaenon*** Walker, 1846

31. ***Lymaenon khalidi*** Amer and Zeya *Oriental Insects,* 2017.

The species *Lymaenon khalidi* was described by Amer *et al.*, based on a Holotype and six Paratypes collected from Uttarakhand, Ranikhet, Arlee estate. The type specimens have been deposited in ZDAMU. The species has been named after the emninent helminthologist, Dr. M. Khalid Saifullah of Department of Zoology, Aligarh Muslim University, Aligarh.

Family MYMAROMMATIDAE

Genus ***Mymaromma*** Girault, 1920

32. ***Mymaromma heptafuniculatus*** Ayyamperumal and Manickavasagam *Transactions of the American Entomological Society,* **143**(3): 589-599, 2017.

The species *Mymaromma heptafuniculatus* was described by M. Ayyamperumal and S. Manickavasagam, based on a Holotype collected from Tamil Nadu, Salem, Yearcaud (11°48.8′ N, 078°.12′E). The type specimen has been deposited at EDAU. The species name refers to the unique diagnostic character of the longest seventh funicle segment of the species.

33. ***Mymaromma longipterus*** Ayyamperumal and Manickavasagam *Transactions of the American Entomological Society,* **143**(3): 589-599, 2017.

The species *Mymaromma longipterus* was described by M. Ayyamperumal and S. Manickavasagam, based on a Holotype collected from Tamil Nadu, Chidambaram, Annamalai University farm premises (11°23'153"N and 079°43'408"E). The type specimen has been deposited at EDAU. The species name refers to the unique diagnostic character of the long narrow fore wing of the species.

34. ***Mymaromma manipurense*** Ayyamperumal and Manickavasagam *Transactions of the American Entomological Society,* **143**(3): 589-599, 2017.

The species *Mymaromma manipurense* was described by M. Ayyamperumal and S. Manickavasagam, based on a Holotype collected from Manipur, Senapatti (25°16′21″N and 94°01′35″E). The type specimen has been deposited at EDAU. The species name refers to the type locality.

35. ***Mymaromma shivajiense*** Ayyamperumal and Manickavasagam *Transactions of the American Entomological Society,* **143**(3): 589-599, 2017.

The species *Mymaromma shivajiense* was described by M. Ayyamperumal and S. Manickavasagam, based on a Holotype collected from Maharashtra, Shivaji University farm premises (11°48.8′N and 078°12′E). The type specimen has been deposited at EDAU. The species name refers to the type locality.

Family PLATYGASTRIDAE

Genus ***Iphitrachelus*** Haliday, 1836

36. ***Iphitrachelus neogracilis*** Anjana and Rajmohana *Insect Diversity and Taxonomy,* T.C.N. Com. Vol. November 2017: 213-224, ISBN: 978-81-932880-3-0.

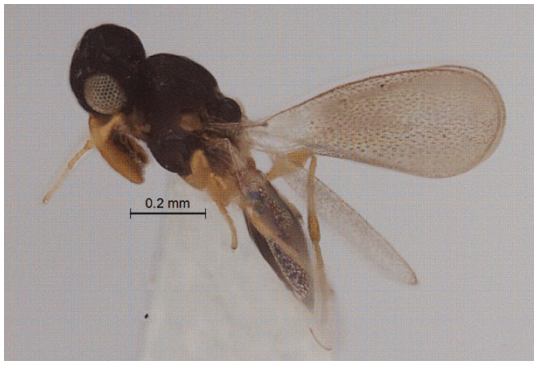
The species *Iphitrachelus neogracilis* was described by M. Anjana and K. Rajmohana based on a Holotype collected from Kerala, Mayanad, Kozhikode (11°17′16″N and 75°50′50″E). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named '*neogracilis*' due to its close resemblance with *Iphitrachelus gracilis.*

***Iphitrachelus neogracilis*** Anjana and Rajmohana

37. ***Iphitrachelus shajii*** Anjana and Rajmohana *Insect Diversity and Taxonomy,* T.C.N. Com. Vol. November 2017: 213-224, ISBN: 978-81-932880-3-0.

The species *Iphitrachelus shajii* was described by M. Anjana and K. Rajmohana, based on a Holotype collected from Kerala, Eravikulam (10.19ºN and 77.00ºE); and one

Paratype collected from Kerala, University of Calicut, Malappuram. The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after the first author's husband's name 'Shaji', for his encouragement.

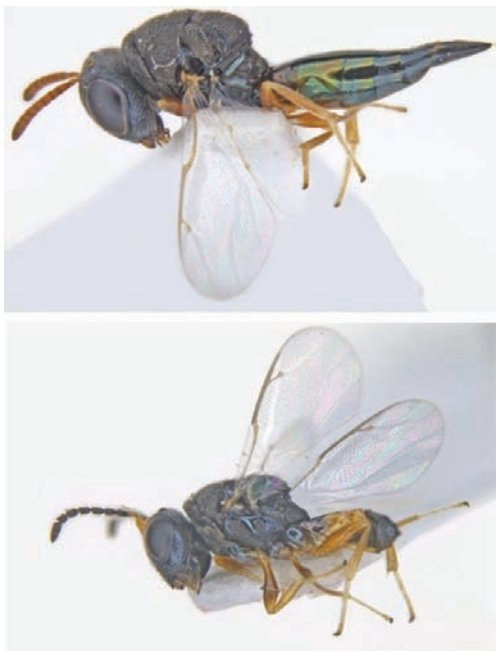



***Iphitrachelus shajii*** Anjana and Rajmohana

Genus ***Uniclypea*** Bouc˘ek, 1976

38. ***Uniclypea similis*** Gupta *Systematic Parasitology*, **95**(1): 115-120, 2017.

The species *Uniclypea similis* was described by Ankita Gupta based on a Holotype and four Paratypes collected from Karnataka, Nandi hills (13.38°N, 77.70°E). The species was collected from Leaf rolls of *Apoderus tranquebaricus* Fabricius on the host plant *Grewia abutilifolia* Vent. ex Juss. The type specimens have been deposited in the ICAR-NBAIR. The species has been named based on its similarity with an Indian species *Uniclypea elongata.*



***Uniclypea similis*** Gupta

Family PTEROMALIDAE

Genus ***Dipara*** Walker, 1833

39. ***Dipara tamila*** Sureshan, Kumar and Sheeja *Oriental Insects,* **51**(3): 297-304, 2017.

The species *Dipara tamila* was described by Sureshan *et al.*, based on a Holotype and thirteen specimens collected from Tamil Nadu, Ooty (11˚40'64"N and 76˚69'32"E). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after the Indian State-Tamil Nadu.

***Dipara tamila*** Sureshan, Kumar and Sheeja

Genus ***Halticoptera*** Spinola, 1811

40. ***Halticoptera cavatura*** Sureshan *Journal of Insect Systematics,* Volume 3, Numbers **1** & **2**: 1-10, 2017.

The species *Halticoptera cavatura* was described by P. M. Sureshan, based on a Holotype collected from Tamil Nadu, Salem Dist., Yercaud (11°45′N and 78°13′E). the type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the peculiar depression interior to notauli on anterior third of mid lobe of mesoscutum on either side of the insect body.

***Halticoptera cavatura*** Sureshan

Genus ***Pycentron*** Gahan, 1925

41. ***Pycentron keralensis*** Sureshan *HALTERES,* Volume **8**: 103-108, 2017.

The species *Pycentron keralensis* was described by P.M. Sureshan based on a Holotype collected from Kerala, Calicut, Kakkadampoyil (11.33618°N and 76.11025°E, 674.6m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after the Indian State of Kerala.

***Pycentron keralensis*** Sureshan

Genus ***Psilocera*** Walker, 1833

42. ***Psilocera manickai*** Sureshan *ENTOMON,* **42**(2): 133-138.

The species *Psilocera manickai* was described by P.M. Sureshan, based on a Holotype and a Paratype collected from Tamil Nadu, Yercaud (11.7794°N and 78.2034°E, 1515m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named in honour of eminent Chalcidologist, Dr. Manickavasagam.

Genus ***Walkerella*** Westwood 1883

43. ***Walkerella tridentata*** Pramanik and Dey *Jouranl of Asia- Pacific Entomology,* **20**(1): 207-213, 2017.

The species *Walkerella tridentata* was described by Achintya Pramanik and Debjani Dey based on a Holotype collected from New Delhi, IARI, (28°38'26.232"N and 77°10'6.132"E). The species was found to be a parasite of *Ficus amplissima* Sm. The type specimen has been deposited in NPC. The species has been named after the male specimens that have mandible with three teeth.

***Walkerella tridentata*** Pramanik and Dey

Family SCELIONIDAE

Genus ***Anokha*** Rajmohana & Veenakumari, 2017

44. ***Anokha anoojii*** Rajmohana and Veenakumari *HALTERES,* **(8)**: 77-84, 2017.

The genus *Anokha* and species *Anokha anoojii* was described by Rajmohana *et al*., based on a Holotype collected from Kerala, Kozhikode, Kakkavayal, (11°63'38'' N and 76°10'28''E) and nine Paratypes collected from different localities of Kerala. The type specimens have been deposited in NZC, ZSI-WGRC and NBAIR. The generic name refers to the uniqueness of the taxon and the species has been named after IARI Scientist, S.S. Anooj, who helped in collection of the Paratypes.

***Anokha anoojii*** Rajmohana and Veenakumari

45. ***Anokha nigra*** Rajmohana *HALTERES,* **(8)**: 77-84, 2017.

The species *Anokha nigra* was described by Rajmohana K., based on a Holotype collected from Kerala, Kasargod, Kammadam, (12°31'33''N and 75°31'52''E), and eight Paratypes collected from Kerala, Kozhikode, Malabar Wildlife Sanctuary (11°56'63''N and 75°96'95'' E). The

type specimen has been deposited in NZC, ZSI-WGRC. The species name refers to the black colouration of the antero-median protuberance on T1 and clavomeres A8-A12.

Family SCELIONIDAE

Genus ***Apteroscelio*** Kieffer, 1913

46. ***Apteroscelio aureus*** Veenakumari, Talamas and Rajmohana *Zootaxa,* **4277**(1): 137-143, 2017.

The species *Apteroscelio aureus* was described by Veenakumari *et al.*, based on a Holotype and twenty six Paratypes collected from Karnataka, Bengaluru, Attur (13°09'68''N and 77°56›41››E, 936m). The Holotype and Paratypes have been deposited in NBAIR and NZC, ZSI-WGRC. The species name has been derived from Latin word, referring to the golden colour of the species.

***Apteroscelio aureus*** Veenakumari, Talamas and Rajmohana

47. ***Apteroscelio shyamala*** Veenakumari, Talamas and Rajmohana *Zootaxa,* **4277**(1): 137-143, 2017.

The species *Apteroscelio shyamala* was described by Veenakumari *et al.*, based on a Holotype and six Paratypes collected from Himachal Pradesh, Manali, Dhundi (77°12'99''E and 32°35'31''N). The Holotype and Paratypes have been deposited in NBAIR and NZC, ZSI-WGRC. The species name has been derived from a Sanskrit word, referring to the black colour of the species. The species has also been named in the memory of the first author's friend, Dr. Radha Shyamala.

***Apteroscelio shyamala*** Veenakumari, Talamas and Rajmohana

Family VESPIDAE

Genus ***Discoelius*** Latreille, 1809

48. ***Discoelius vasukii*** Pannure and Carpenter *Zootaxa,* **4272**(4): 583-586, 2017.

The species *Discoelius vasukii* was described by Pannure *et al.*, based on a Holotype collected from Tamil Nadu, Coimbatore district, Valparai (10°18′45″N and 76°52′29″E). The type specimen has been deposited in the Department of Entomology, University of Agricultural Sciences, Gandhi Krishi Vignan Kendra, Bengaluru. The species has been named after Dr. Vasuki V. Belavadi, who helped to collect the specimen.

***Discoelius vasukii*** Pannure and Carpenter

Genus ***Pararrhynchium*** de Saussure, 1855

49. ***Pararrhynchium venkataramani*** Kumar and Carpenter *HALTERES,* Volume 8, 85-91, 2017.

The species *Pararrhynchium venkataramani* was described by Kumar *et al.*, based on a Holotype collected from Arunachal Pradesh, Upper Siang District, Jengging; and two Paratypes collected from different localities of Arunachal Pradesh. The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named in honour of an eminent marine biologist and Former Director of the Zoological Survey of India, Dr. K. Venkataraman.

***Pararrhynchium venkataramani*** Kumar and Carpenter

## SIX NEW SPECIES OF LEPIDOPTERA

Family ARCTIIDAE

Genus ***Microlithosia*** Daniel, 1954

1. ***Microlithosia jagbiri*** Singh, Joshi and Ranjan *Zootaxa,* **4319**(2): 383-385, 2017.

The species *Microlithosia jagbiri* was described by Singh *et al.*, based on a Holotype and a Paratype collected from Bihar, Valmiki Tiger Reserve, Valmikinagar. The type specimens have been deposited in NZC, ZSI-GPRC. The species has been named in honour of an eminent arctiid specialist and the first author's revered teacher, Prof. Jagbir Singh Kirti.

Family CRAMBIDAE

Genus ***Ramila*** Moore, 1867

2. ***Ramila sunderbanensis*** Biswas, Shah, Modak and Mitra *Oriental Insects,* **51**(4): 409-416, 2017.

The species *Ramila sunderbanensis* was published by Biswas et al, based on a Holotype collected from West Bengal, South 24 Parganas District, Sunderban Biosphere Reserve, Gosaba Island, Pakhirala (22°07.959′N and 088°49.542′E). The type specimen has been deposited in NZC, ZSIK. The species name refers to the type locality.

***Ramila sunderbanensis*** Biswas, Shah, Modak and Mitra

Family EREBIDAE

Genus ***Thysanoptyx*** Hampson, 1894

3. ***Thysanoptyx manganensis*** Singh, Joshi, Kirti and Volynkin *Zootaxa,* **4319**(2): 375-378, 2017.

The species *Thysanoptyx manganensis* was described by Singh *et al.*, based on a Holotype and four Paratypes collected from Sikkim, Mangan. The type specimens have been deposited in PUEC. The species name refers to the type locality.

Genus ***Miltochrista*** Hubner, 1819

4. ***Miltochrista pseudomodesta*** Joshi, Singh and Volynkin *Zootaxa,* **4238**(3): 445-450, 2017.

The species *Miltochrista pseudomodesta* was described by Joshi *et al.*, based on a Holotype collected from Nagaland, Wokha. The type specimens have been deposited in PUEC. The species has been named due to its close similarity with *Miltochrista modesta.*

***Miltochrista pseudomodesta*** Joshi, Singh and Volynkin

5. ***Miltochrista quadra*** Joshi, Singh and Volynkin *Zootaxa,* **4238**(3): 445-450, 2017.

The species *Miltochrista quadra* was described by Joshi *et al.*, based on a Holotype and four Paratypes collected from Nagaland, Wokha. The type specimens have been deposited in PUEC. The species name refers to the presence of four postmedial spots on the forewing of the species.

***Miltochrista quadra*** Joshi, Singh and Volynkin

Family SPHINGIDAE

Genus ***Theretra*** Hubner (1819)

6. ***Theretra shendurneensis*** Sondhi, Kitching, Basu and Kunte *Zootaxa,* **4323**(2): 185-196, 2017.

The species *Theretra shendurneensis* was described by Sondhi *et al.*, based on a Holotype and a Paratype collected from Kerala, Kollam District, Shendurney Wildlife Sanctuary, Pandimotta forest camp (8°49′39′′N and 77°13′1′′E, 1,171 m). The type specimens have been deposited in NCBS. The species name refers to the type locality.

***Theretra shendurneensis*** Sondhi, Kitching, Basu and Kunte

## THREE NEW SPECIES OF ODONATA

Family AESHNIDAE

Genus ***Cephalaeschna*** Selys, 1883

1. ***Cephalaeschna acanthifrons*** Joshi and Kunte Zootaxa, **4300**(2): 259-268, 2017.

The species *Cephalaeschna acanthifrons* was described by Shantanu Joshi and Krushnamegh Kunte, based on a Holotype collected between Ramalingam camp and Lama camp, Eaglenest Wildlife Sanctuary, West Kameng District, Arunachal Pradesh (precise GPS coordinates unknown). The type specimen has been deposited in NCBS. The species name '*acanthifrons*' means pointed face, derived from the Greek word '*acanthi*' - meaning thorn and Latin word frons meaning forehead.

***Cephalaeschna acanthifrons*** Joshi and Kunte

Genus ***Planaeschna*** McLachlan, 1896

2. ***Planaeschna poumai*** Joshi and Kunte Zootaxa, **4300**(2): 259-268, 2017.

The species *Planaeschna poumai* was described by Shantanu Joshi and Krushnamegh Kunte, based on a Holotype collected from Manipur, Senapati District, Senapati-Purul road near TNK village and two Paratypes collected from Manipur, Senapati District, Mayangkhang village. The type specimens have been deposited in NCBS. The species has been named after the Poumai tribe, one of the larger extant Naga tribes in NE India, which predominantly inhabits the Senapati District of Manipur.

***Planaeschna poumai*** Joshi and Kunte

Family PLATYCNEMIDIDAE

Genus ***Nosoticta*** Hagen, 1860

3. ***Nosoticta nicobarica*** Rajeshkumar, Raghunathan and Chandra *Zootaxa,* **4311**(3): 426-434, 2017.

The species *Nosoticta nicobarica* was described by S. Rajeshkumar, C. Raghunathan and Kailash Chandra, based on a Holotype and two Paratypes collected from Andaman and Nicobar Islands, Nicobar, Gandhi Nagar, 30 km North South Road of Great Nicobar Island (06°50'.215''N and 093° 53'.381''E, 90 m). The type specimens have been deposited in NZC, ZSI-ANRC. The species name refers to the type locality.

***Nosoticta nicobarica*** Rajeshkumar, Raghunathan and Chandra

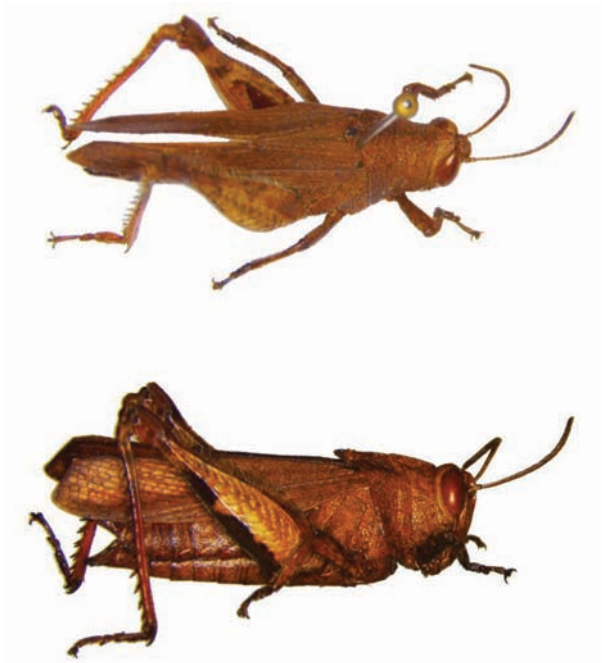
## ONE NEW GENUS AND EIGHT NEW SPECIES OF ORTHOPTERA

Family ACRIDIDAE

Genus ***Epistaurus*** Bolivar, 1889

1. ***Epistaurus tinsensis*** Gupta and Chandra *HALTERES,* Volume **8**, 20-24, 2017.

The species *Epistaurus tinsensis* was described by Sunil Kumar Gupta and Kailash Chandra, based on a Holotype and three Paratypes collected from Chhattisgarh, Raipur District; Barnawapara Wildlife Sanctuary, Tinsa Pathar (21°27′50′′N, 82°27′36′′E, 524 m). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.



***Epistaurus tinsensis*** Gupta and Chandra

Genus: ***Hieroglyphus*** Krauss, 1877

2. ***Hieroglyphus kolhapurensis*** Swaminathan, Swaminathan and Nagar *Transactions of the American Entomological Society,* **143**(3): 625-632, 2017.

The species *Hieroglyphus kolhapurensis* was described by Swaminathan *et al.*, based on a Holotype collected from Maharashtra, Kolhapur.

Genus ***Keshava*** Gupta and Chandra, 2017

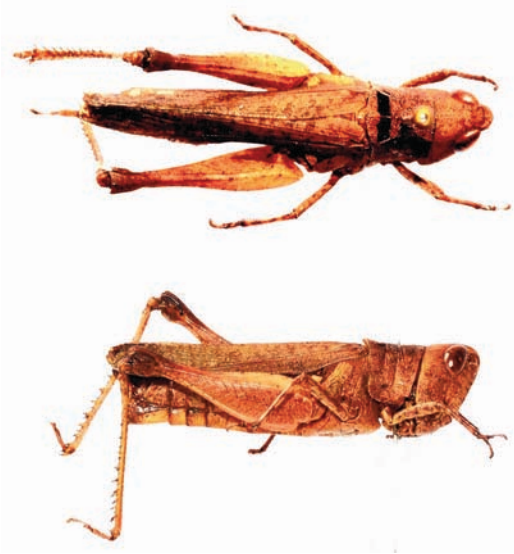
3. ***Keshava barnawaparensis*** Gupta and Chandra *Biodiversity Journal,* **8**(3): 819-826, 2017.

The genus *Keshava* and species *Keshava barnawaparensis* was described by Sunil Kumar Gupta and Kailash Chandra based on a Holotype and eight Paratypes collected from Chhattisgarh, Barnawapara Wildlife Sanctuary, Barnawapara (21°24′002′′N and 82°25′ 313′′E, 301 m). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.

***Keshava barnawaparensis*** Gupta and Chandra

4. ***Keshava jugadensis*** Gupta and Chandra *Biodiversity Journal,* **8**(3): 819-826, 2017.

The species *Keshava jugadensis* was described by Sunil Kumar Gupta and Kailash Chandra based on a Holotype collected from Chhattisgarh, Gariyaband, Jugad (20°08′42.9′′N and 82°16′34.3′′E, 438 m). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.



***Keshava jugadensis*** Gupta and Chandra

5. ***Keshava shishodensis*** Gupta and Chandra *Biodiversity Journal,* **8**(3): 819-826, 2017.

The species *Keshava shishodensis* was described by Sunil Kumar Gupta and Kailash Chandra based on a Holotype and twelve Paratypes collected from Chhattisgarh, Durg, Keshavpur (20°33′25.3″N and 81°18′59.4″E, 400 m). The type specimens have been deposited in NZC, ZSIK. The species has been named in honour of a renowned Indian taxonomist, Dr. M. S. Shishodia, Retd. Scientist, Zoological Survey of India.

***Keshava shishodensis*** Gupta and Chandra

Family GRYLLACRIDIDAE

Genus ***Gryllacris*** Serville, 1831

6. ***Gryllacris durgensis*** Gupta and Chandra Zootaxa, **4350**(1): 196-200.

The species *Gryllacris durgensis* was described by Sunil Kumar Gupta and Kailash Chandra based on a Holotype collected from Durg district, Chhattisgarh. The type specimen has been deposited in NZC, ZSIK. The species name refers to the type locality.

Family TETRIGIDAE

Genus ***Coptotettix*** Bolivar, 1887

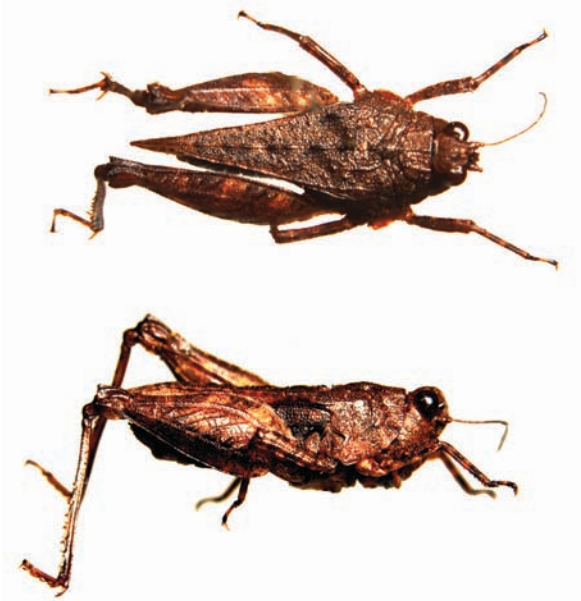
7. ***Coptotettix korbensis*** Gupta and Chandra *Zootaxa,* **4299**(1): 146-150, 2017.

The species *Coptotettix korbensis* was described by Sunil Kumar Gupta and Kailash Chandra, based on a Holotype and six Paratypes collected from Chhattisgarh, Korba, Bijakhera Nala (22°24′50.1″N and 83°0′33.5″E, 324m). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.

***Coptotettix korbensis*** Gupta and Chandra

8. ***Coptotettix magedhensis*** Gupta and Chandra *Biodiversity Journal,* **8**(2): 739-748, 2017.

The species *Coptotettix magedhensis* was described by Sunil Kumar Gupta and Kailash Chandra, based on a Holotype collected from Chhattisgarh, Jagdalpur, Makdi, Magedha (19°05′45.6″N and 82°03′9.3″E, 592 m); and two Paratypes collected from Jagadalpur, Hathguda (190545.6N and 82039.3E, 561 m). The type specimens have been deposited in NZC, ZSIK. The species name refers to the type locality.



***Coptotettix magedhensis*** Gupta and Chandra

## TWO NEW SPECIES OF STREPSIPTERA

Family MYRMECOLACIDAE

Genus ***Myrmecolax*** Westwood, 1861

1. ***Myrmecolax comparilis*** Roy and Hazra *Annales de la Societe Entomologique de France,* **53**(5): 334-343, 2017.

The species *Myrmecolax comparilis* was described by Sukhendu Roy and Niladri Hazra based on a Holotype collected from West Bengal, Lataguri, Mekhliganj (26°20'51"N and 88°54'37"E). The type specimen has been deposited in NZC, ZSIK. The species name refers to the equal size of the dorsal hook and ventral prong of the aedeagus.

Genus ***Stichotrema*** Hofeneder, 1910

2. ***Stichotrema sagax*** Roy and Hazra *Annales de la Societe Entomologique de France,* **53**(5): 334-343, 2017.

The species *Stichotrema sagax* was described by Sukhendu Roy and Niladri Hazra based on a Holotype collected from West Bengal, Jalpaiguri, Lataguri (26°42'53"N and 88°45'50"E). The type specimen has been deposited in NZC, ZSIK. The species name refers to the sharply bent shaft of the aedeagus with respect to its base.

## THREE NEW SPECIES OF THYSANOPTERA

Family THRIPIDAE

Genus ***Bregmatothrips*** Hood, 1912

1. ***Bregmatothrips ramani*** Rachana and Varatharajan *Zootaxa,* **4317**(3): 597-600, 2017.

The species *Bregmatothrips ramani* was described by R.R. Rachana and R. Varatharajan based on a Holotype and four Paratypes collected from Andaman Islands, Sipighat. The type specimens have been deposited in ICAR-NBAIR. The species has been named in the honour of Nobel laureate, Dr. C.V. Raman for his outstanding contributions to the field of Physics.

***Bregmatothrips ramani*** Rachana and Varatharajan

Genus ***Danothrips*** Bhatti, 1971

2. ***Danothrips litseae*** Tyagi, Singha and Kumar *Zootaxa,* **4269**(1): 137-140, 2017.

The species *Danothrips litseae* was described by Tyagi et al, based on a Holotype and five Paratypes collected from Assam (Jorhat). The species was collected from the leaves of *Litsea* sp. The type specimens have been deposited in NZC, ZSIK. The species name refers to the host plant.

***Danothrips litseae*** Tyagi, Singha and Kumar

Genus ***Thrips*** Linnaeus, 1758

3. ***Thrips laurencei*** Rachana and Varatharajan *Zootaxa,* **4221**(4): 491-493, 2017.

The species *Thrips laurencei* was described by R.R. Rachana and R. Varatharajan based on a Holotype and five Paratypes collected from Tamil Nadu, Ooty (2240m). The species was collected from flowers of *Hydrangea macrophylla* (Thunb.) Ser. The type specimens have been deposited in ICAR-NBAIR. The species has been named after the eminent Thysanoptera taxonomist, Laurence Mound, for his contributions to thrips taxonomy.

***Thrips laurencei*** Rachana and Varatharajan

## THREE NEW SPECIES OF TRICHOPTERA

Family HYDROPSYCHIDAE

Genus ***Hydropsyche*** Pictet, 1834

1. ***Hydropsyche curvata*** Pandher, Kaur, Parey and Saini *Zootaxa,* **4365**(3): 331-360, 2017.

The species *Hydropsyche curvata* was described by Pandher *et al.*, based on a Holotype and four Paratypes collected from Jammu and Kashmir, Yusmarg (2200 m). The type specimens have been deposited in NPC. The species name refers to the curved apical segment of each inferior appendage of the species.

2. ***Hydropsyche golitarensis*** Pandher, Kaur, Parey and Saini *Zootaxa,* **4365**(3): 331-360, 2017.

The species *Hydropsyche golitarensis* was described by Pandher et al, based on a Holotype and two Paratypes collected from Sikkim: Golitar (2200m). The type specimens have been deposited in NPC. The species name refers to the type locality.

3. ***Hydropsyche hajinensis*** Pandher, Kaur, Parey and Saini *Zootaxa,* **4365**(3): 331-360, 2017.

The species *Hydropsyche hajinensis* was described by Pandher *et al.*, based on a Holotype and two Paratypes collected from Jammu and Kashmir, Manasbal Lake (1800m). The type specimens have been deposited in NPC. The species has been named after the village Hajin Sonawari which is located near the type locality.

## TWO NEW SPECIES OF UROCHORDATA

Class ASCIDIACEA

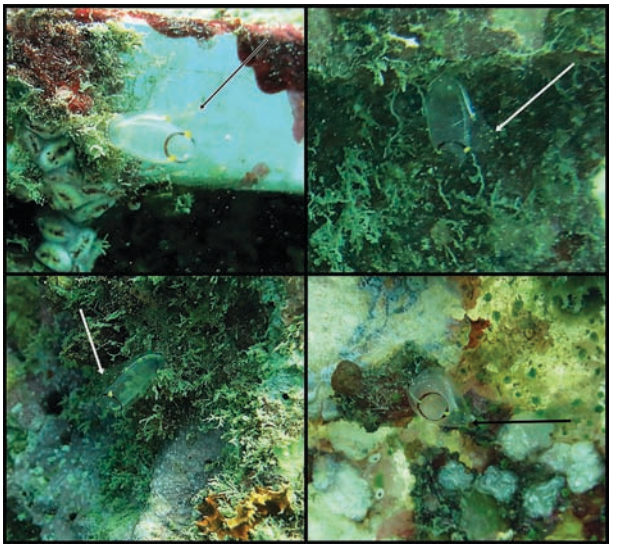
Order PHLEBOBRANCHIA

Family DIAZONIDAE

Genus ***Rhopalaea*** Philippi, 1843

1. ***Rhopalaea bilobata*** Mondal, Raghunathan and Mondal *Journal of Threatened Taxa,* **9**(5): 10187-10193, 2017.

The species *Rhopalaea bilobata* was described by Jhimli Mondal, C. Raghunathan and Tamal Mondal, based on a Holotype collected from Andaman and Nicobar Islands, Wall area (12°03.313'N & 92°57.730'E), located at Havelock Island, South Andaman; and two Paratypes collected from Trilby Island (13°24.812'N and 93°04.146'E) of North and Middle Andaman, and also from Pongibalu (11°30.958'N and 92°39.201'E) of South Andaman. The type specimens have been deposited in NZC, ZSI-ANRC. The species name refers to the distinctive triangular bilobed anal border present in the species.



***Rhopalaea bilobata*** Mondal, Raghunathan and Mondal

Order STOLIDOBRANCHIA

Family PYURIDAE

Genus ***Herdmania*** Lahille, 1988

2. ***Herdmania andamanensis*** Mondal, Raghunathan and Chandra *Zootaxa,* **4286** (3): 445-450, 2017.

The species *Herdmania andamanensis* was described by Jhimli Mondal, C. Raghunathan and Kailash Chandra, based on a Holotype collected from Andaman and Nicobar Islands, Sir Huge Rose Island (11°46.975'N and 93°04.566'E); and two Paratypes collected from Sir Huge Rose Island and Table Delgarno Island (13°24.413'N and 93°05.100'E). The type specimens have been deposited in NZC, ZSI-ANRC. The species has been named after the Andaman group of islands.

***Herdmania andamanensis*** Mondal, Raghunathan and Chandra

## TWENTY SEVEN NEW SPECIES OF PISCES

Order ANGUILLIFORMES

Family MURAENIDAE

Genus ***Enchelycore*** Forster, 1788

1. ***Enchelycore propinqua*** Mohapatra, Smith, Mohanty, Mishra and Tudu *Zootaxa,* **4319**(3): 595-599, 2017.

The species *Enchelycore propinqua* commonly known as Indian hook-teeth moray, was described by Mohapatra *et al.*, based on a Holotype collected from Andhra Pradesh, Visakhapatnam fishing harbour (17°42.452'N and 83°18.823'E). The type specimen has been deposited in NZC, ZSIK. The species has been named *'propinqua'* meaning alike in Latin, for its resemblance to some other species.

***Enchelycore propinqua*** Mohapatra, Smith, Mohanty, Mishra and Tudu

Genus ***Gymnothorax*** Bloch, 1795

2. ***Gymnothorax pseudotile*** Mohapatra, Smith, Ray, Mishra and Mohanty *Zootaxa,* **4286**(4): 586-592, 2017.

The species *Gymnothorax pseudotile* was described by Mohapatra *et al.*, based on a Holotype collected from West Bengal (21°38.214'N and 87°34.706'E). The type specimen has been deposited in NZC, ZSI-MARC. The species name refers to the morphological similarity of the species with *Gymnothorax tile* Hamilton.

***Gymnothorax pseudotile*** Mohapatra, Smith, Ray, Mishra and Mohanty

3. ***Gymnothorax visakhaensis*** Mohapatra, Smith, Mohanty, Mishra and Tudu *Zootaxa,* **4300**(2): 279-286, 2017.

The species *Gymnothorax visakhaensis* was described by Mohapatra *et al.*, based on a Holotype collected from Andhra Pradesh, Visakhapatnam fishing harbour (17° 42.452'N and 83° 18.823'E). The type specimen has been deposited in NZC, ZSI-MARC. The species name refers to the type locality.

***Gymnothorax visakhaensis*** Mohapatra, Smith, Mohanty, Mishra and Tudu

Order CLUPEIFORMES

Family CLUPEIDAE

Genus ***Amblygaster*** Bleeker, 1849

4. ***Amblygaster indiana*** Mary, Balasubramanian, Selvaraju and Shiny *Zootaxa,* **4247**(4): 461-468, 2017.

The species *Amblygaster indiana* was described by Mary *et al.*, based on a Holotype and eleven Paratypes collected from fish landing centers and fish markets at Tamil Nadu, Eraviputhenthurai (11°15'49.26''N and 77°08'11.67''E), west coast of India. The type specimens have been deposited in NZC, ZSI-MBRC. The species has been named after the country, India.

Order CYPRINIFORMES

Family CYPRINIDAE

Genus ***Garra*** Hamilton, 1822

5. ***Garra biloborostris*** Roni and Vishwanath *Vertebrate Zoology,* **67**(2): 133-137, 2017.

The species *Garra biloborostris* was described by Narengbam Roni and Waikhom Vishwanath based on a Holotype and eleven Paratypes collected from Assam, Chirang district, Kanamakra River, Bhramaputra River basin (26°45′0.59″N and 90°39′17.36″E, 191 m). The type specimens have been deposited at MUMF. The species name refers to the two beak-like lobes on the proboscis.

***Garra biloborostris*** Roni and Vishwanath

6. ***Garra clavirostris*** Roni, Sarbojit and Vishwanath *Zootaxa,* **4244**(3): 367-376, 2017.

The species *Garra clavirostris* was described by Roni *et al.*, based on a Holotype and three Paratypes collected from Assam, Dima Hasao district, Dilaima River, at Boro Chenam Village below the confluence of Dilaima and Dihandi (25°18′03″ N and 92°52′05″ E, 401 m). The type specimens have been deposited at MUMF. The species name refers to the shape of the proboscis.

7. ***Garra chindwinensis*** Kosygin, Premananda and Saldullah *Records of Zoological Survey of India,* **117**(3): 191-197, 2017.

The species *Garra chindwinensis* was described by Kosygin *et al.*, based on a Holotype and a Paratype collected from Manipur, Senapati District, Laniye River near Laii (Chindwin basin), [ 25′31′20′N and 93′26′13′E]. The type specimens have been deposited in NZC, ZSIK and PCZM. The species has been named after the Chindwin River basin.

***Garra chindwinensis*** Kosygin, Premananda and Saldullah

8. ***Garra koladynensis*** Nebeshwar and Vishwanath *Ichthyological Exploration of Freshwaters,* **28**(1): 17-53, 2017.

The species *Garra koladynensis* was described by K. Nebeshwar and W. Vishwanath, from Mizoram, Koladyne River basin.

9. ***Garra matensis*** Nebeshwar and Vishwanath *Ichthyological Exploration of Freshwaters,* **28**(1): 17-53, 2017.

The species *Garra matensis* was described by K. Nebeshwar and W. Vishwanath, based on a Holotype collected from Mizoram, Koladyne River basin.

Genus ***Labeo*** Cuvier (1816)

10. ***Labeo filiferus*** Plamoottil and Zupancic *Bioscience Discovery,* **8**(3): 301-306, 2017.

The species *Labeo filiferus* was described by Mathews Plamoottil and Primoz Zupancic based on a Holotype collected from Kerala, Pathanamthitta District, Pamba River at Edakadathy. The type specimen has been deposited in NZC, ZSI-NERC. The species name refers to the very long filamentous dorsal fin ray which reaches above caudal fin base in the fish species.

***Labeo filiferus*** Plamoottil and Zupancic

Genus ***Laubuka*** Bleeker, 1859

11. ***Laubuka parafasciata*** Lalramliana, Vanlalhlimpuia, Denis and Singh, Mahender *Zootaxa,* **4244**(2): 269-276, 2017.

The species *Laubuka parafasciata* was described by Lalramliana *et al.*, based on a Holotype and three Paratypes collected from Mizoram, Siaha District, Sala River, a tributary of Kaladan River, in the vicinity of Lungpuk (22°04′38″N and 92°54′57″E). The type specimens have been deposited in NZC, ZSIK. The species name refers to the resemblance of the species with *Laubuka fasciata,* in having a broad, dark brown midlateral stripe on the body.

Genus ***Neolissochilus*** Rainboth, 1985

12. ***Neolissochilus acutirostris*** Arunachalam, Sivakumar and Murugan *Fish Taxa*, **2**(1): 1-27, 2017.

The species *Neolissochilus acutirostris* was described by Arunachalam *et al.*, based on a Holotype and two Paratypes collected from Karnataka, Kodgau district, a stream in the Cauvery River drainage, Abby falls (11°40′38.2′′N and 75°43′8.0′′E; 963 m). The type specimens have been deposited in NZC, ZSI-SRC and MSUMNH. The species name refers to the sharp pointed snout of the species.

13. ***Neolissochilus capudelphinus*** Arunachalam, Sivakumar and Murugan *Fish Taxa*, **2**(1): 1-27, 2017.

The species *Neolissochilus capudelphinus* was described by Arunachalam *et al.*, based on a Holotype and three Paratypes represented by two populations, one collected from the upstream of the diverted water from Periyar River, 12 km from the town of Cumbum (9°37′59.3′′N and 77°11′52.8′′E); and the other from a newly constructed Shanmughanadhi Reservoir (9°43′41.7′′N and 77°21′31.2′′E). The type specimens have been deposited in NZC, ZSI-SRC and MSUMNH. The species name refers to the dolphin headed appearance of the species.

14. ***Neolissochilus minimus*** Arunachalam, Sivakumar and Murugan *Fish Taxa*, **2**(1): 1-27, 2017.

The species *Neolissochilus minimus* was described by Arunachalam *et al.*, based on a Holotype and two Paratypes collected from Kerala, the diverted water of Periyar River, forest reserves of Cumbam Valley (9°37'59.3''N and 77°11'52.8''E, 455m). The type specimens have been deposited in NZC, ZSI-SRC and MSUMNH. The species name refers to the smaller size of the species among the other *Neolissochilus* species of Western Ghat mountain ranges.

15. ***Neolissochilus micropthalmus*** Arunachalam, Sivakumar and Murugan *Fish Taxa*, **2**(1): 1-27, 2017.

The species *Neolissochilus micropthalmus* was described by Arunachalam *et al.*, based on a Holotype and two Paratypes collected from Kerala, Ambayathode stream, forest reserves in the Kannur District. The type specimens have been deposited in NZC, ZSI-SRC and MSUMNH. The species name refers to the small eyes of the species.

16. ***Neolissochilus tamiraparaniensis*** Arunachalam, Sivakumar and Murugan *Fish Taxa,* **2**(1): 1-27, 2017.

The species *Neolissochilus tamiraparaniensis* was described by Arunachalam *et al.*, based on a Holotype and three Paratypes collected from Tamil Nadu, Gadana River of Tamiraparani River basin (08°47'59.3''N and 77°11'18'0.11''E). The type specimens have been deposited in NZC, ZSI-SRC and MSUMNH. The species name refers to the Tamiraparani River basin, where the species was found to be endemic.

Genus ***Parapsilorhynchus*** Hora, 1921

17. ***Parapsilorhynchus odishaensis*** Baliarsingh, Kosygin and Swain *Records of the Zoological Survey of India,* **117**(1): 22-25, 2017.

The species *Parapsilorhynchus odishaensis* was described by Baliarsingh *et al.*, based on a Holotype collected from Odisha. The type specimen has been deposited in NZC, ZSIK. The species name refers to the Indian State – Odisha.

18. ***Parapsilorhynchus swaini*** Baliarsingh and Kosygin *Indian Journal of Fisheries,* **64**(4): 44-49, 2017.

The species *Parapsilorhynchus swaini,* commonly known as Mahanadhi minnow was described by B.K. Baliarsingh and Laishram Kosygin based on a Holotype collected from Odisha, Harisankar, Mahanadi River Basin. The type specimen has been deposited in NZC, ZSIK. The species has been named after the eminent Ichthyologist, Dr. S.K.Swain of ICAR- Central Institute of Freshwater Aquaculture (ICAR-CIFA), Bhubaneshwar; for his constant support and encouragement to the authors.

Genus ***Osteobrama*** Heckel, 1843

19. ***Osteobrama serrata*** Singh, Verma, Yumnan and Vishwanath *Mitochondrial DNA Part A,* 2017.

The species *Osteobrama serrata* was described by Singh *et al.*, based on a Holotype collected from Manipur, Jiribam (Barak-Surma-Meghna Basin), (24°42'N and 93°04´E). The type specimen has been deposited in Manipur University, Imphal. The species name refers to the serrated dorsl spine of the species.

***Osteobrama serrata*** Singh, Verma, Yumnan and Vishwanath

Family CHANNIDAE

Genus ***Channa*** Scopoli, 1777

20. ***Channa pomanensis*** Gurumayum and Tamang *Species,* **17**(57): 175-186, 2017.

The species *Channa pomanensis* was described by Shantabala Devi Gurumayum and Lakpa Tamang based on a Holotype collected from Arunachal Pradesh, Papum Pare district, Poma River (Brahmaputra Basin), about 12km towards west of Itanagar. The type specimens have been deposited in NZC, ZSI-APRC. The species has been named after the Poma River in Arunachal Pradesh.

***Channa pomanensis*** Gurumayum and Tamang

Family NEMACHEILIDAE

Genus ***Physoschistura*** Bánárescu & Nalbant, 1982

21. ***Physoschistura harkishorei*** Das and Darshan *Zootaxa,* **4337**(3): 403-412, 2017.

The species *Physoschistura harkishorei* was described by Debangshu Narayan Das and Achom Darshan based on a Holotype collected from Arunachal Pradesh, Lower Dibang Valley district, Dibang River (28°09′59″N and 95°43′55″E); and two Paratypes collected from Arunachal Pradesh, Lohit district, Lohit River at Alubari Ghat, at the immediate side of Lohit bridge (27°51′29″N and 96°01′36 ″E). The type specimens have been deposited in RGMUF. The species has been named in the memory of Harkishore Das, the father of the first author.

Genus ***Paracanthocobitis*** S. Grant, 2007

22. ***Paracanthocobitis marmorata*** Singer, Pfeiffer and Page *Zootaxa,* **4324**(1): 85-107, 2017.

The species *Paracanthocobitis marmorata*, commonly known as Marmorated Zipper Loach, was described by Singer *et al.*, based on a Holotype collected from Assam, Barak drainage. The type specimen has been deposited in ZMA. The species name refers to the marmorated pattern on the nape and between the dorsal saddles and lateral blotches in lieu of the black stripe along the side of the body of the species.

Genus ***Schistura*** McClelland, 1838

23. ***Schistura larketensis*** Choudhury, Mukhim, Basumatary, Warbah and Sarma *Zootaxa,* **4353**(1): 89-100, 2017.

The species *Schistura larketensis* was described by Choudhury *et al.*, based on a Holotype collected from Meghalaya, East Jaintia Hills district, Larket village, Khung- a Limestone cave. The species name refers to the type locality.

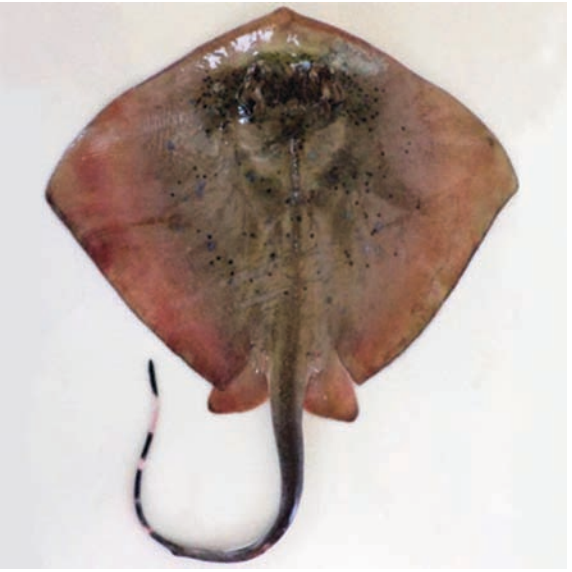
Order MYLIOBATIFORMES

Family DASYATIDAE

Genus ***Neotrygon*** Castelnau, 1873

24. ***Neotrygon indica*** Pavan-Kumar, Pitale, Shen and Borsa *bioRxiv.* DOI: 10.1101/179911, 2017.

The species *Neotrygon indica* commonly known as The Indian-Ocean blue spotted maskray, was described by Pavan-Kumar *et al.*, based on a Holotype and four Paratypes collected from Tamil Nadu, Gulf of Mannar, Inico Nagar, Tuticorin fish landing centre (9.12°N and 79.46°E). The Holotype specimen has been deposited in NZC, ZSI-MBRC, and the Paratypes have been deposited in FGB, CIFE. The species name refers to the country of the type locality.



***Neotrygon indica*** Pavan-Kumar, Pitale, Shen and Borsa

Order PERCIFORMES

Family PRISTOLEPIDIDAE

Genus ***Pristolepis*** Jerdon, 1849

25. ***Pristolepis procerus*** Plamoottil *European Journal of Zoological Research,* **5**(1): 40-44, 2017.

The species *Pristolepis procerus* was described by Mathews Plamoottil based on a Holotype and a Paratype collected from Kerala, Kozhikode District, Chaliyar. The Holotype specimen has been deposited in NZC, ZSI-NERC and the Paratype has been deposited in NZC, ZSI-ANRC. The species name refers to the high body depth of the new fish.

***Pristolepis procerus*** Plamoottil

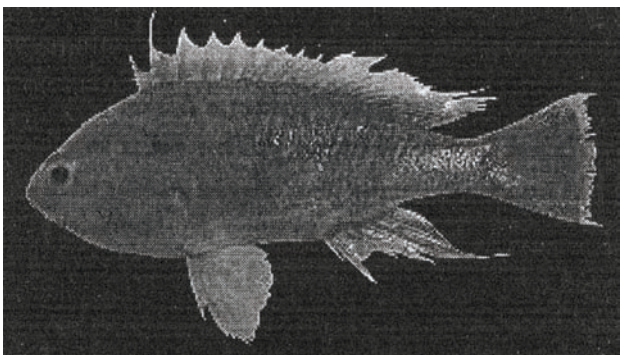
Family SERRANIDAE

Genus ***Pseudanthias*** Bleeker, 1871.

26. ***Pseudanthias vizagensis*** Krishna, Rao and Venu *Journal of Experimental Zoology India,* **20**(1): 213-216, 2017.

The species *Pseudanthias vizagensis* was described

by Krishna *et al.*, based on a Holotype collected from Andhra Pradesh, Visakhapatnam (17°10'N and 18°10'E). The species name refers to the type locality.



***Pseudanthias vizagensis*** Krishna, Rao and Venu

Order SILURIFORMES

Family PANGASIIDAE

Genus ***Pangasius*** Valenciennes, 1940

27. ***Pangasius silasi*** Dwivedi, Gupta, Singh, Mohindra, Chandra, Easawarn, Jena and Lal *Hydrobiologia,* **797**(1): 351-370, 2017.

The species *Pangasius silasi* was described by Dwivedi *et al.*, based on a Holotype collected from Andhra Pradesh, Guntur district, Krishna River, Nagarjuna Sagar Dam (16°53′N and 79°26′E). The type specimens have been deposited at NBFGR. The species has been named after the eminent fish taxonomist, Dr. E.G. Silas.

***Pangasius silasi*** Dwivedi, Gupta, Singh, Mohindra, Chandra, Easawarn, Jena and Lal

## EIGHTEEN NEW SPECIES OF AMPHIBIA

Order ANURA

Family DICROGLOSSIDAE

Genus ***Fejervarya*** Bolkay, 1915

1. ***Fejervarya cepfi*** Garg and Biju *Zootaxa,* **4277**(4): 451-490, 2017.

The species *Fejervarya cepfi* commonly known as CEPF Burrowing Frog, was described by Sonali Garg and S.D. Biju based on a Holotype and two Paratypes collected from Maharashtra, Sindhudurg district, Amboli (15º57′16.61″N and 73º59′54.97″E, 750 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after the Critical Ecosystem Partnership Fund (CEPF).

***Fejervarya cepfi*** Garg and Biju

2. ***Fejervarya goemchi*** Dinesh, Kulkarni, Swamy and Deepak *Rec. zool. Surv. India,* **117**(4) / 2017.

The species *Fejervarya goemchi* was described by Dinesh *et al.*, based on a Holotype and two Paratypes collected from Goa, Surla village (15.651ºN and 74.131ºE). The type specimens have been deposited in NZC, ZSI-WGRC and CESF. The species name *'goemchi'* has been derived from the local language Konkani meaning the land of the state of Goa.

***Fejervarya goemchi*** Dinesh Kulkarni Swamy and Deepak

3. ***Fejervarya jhilmilensis*** Bahuguna *Biosystematica,* **10**: 13. , 2017.

The species *Fejervarya jhilmilensis* commonly known as Jhilmil Terrestrial Frog, was described by Archana Bahugana based on a Holotype and a Paratype collected from Uttarakhand, Haridwar district, Conservation Area, Jhilmil Jheel (29°48′45.1″N and 078011′16.4″E, 255m). The type specimens have been deposited in NZC, ZSI-NRC. The species has been named after the type locality.

***Fejervarya jhilmilensis*** Bahuguna

4. ***Fejervarya kadar*** Garg and Biju *Zootaxa,* **4277**(4): 451-490, 2017.

The species *Fejervarya kadar* commonly known as Kadar Burrowing Frog, was described by Sonali Garg and S.D. Biju based on a Holotype and four Paratypes collected from Kerala, Thrissur district, Vazhachal forest division, Thavalakuzhipara, (10°17′01.7″N and 76°41′06.4″E, 577 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after the Kadar tribe of Kerala, who lives in the Vazhachal forest from where the type series have been collected.

***Fejervarya kadar*** Garg and Biju

5. ***Fejervarya manoharani*** Garg and Biju *Zootaxa,* **4277**(4): 451-490, 2017.

The species *Fejervarya manoharani* commonly known as Manoharan's Burrowing Frog was described by Sonali Garg and S.D. Biju based on a Holotype and five Paratypes collected from Kerala, Thiruvananthapuram district, Chathankod-Bonnacaud (08º40′24.0″N and 77º09′12.25″E, 460 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after Mr. TM Manoharan, Head of Kerala Forest Department, who encouraged the second author to pursue his interest in amphibian research.

***Fejervarya manoharani*** Garg and Biju

6. ***Fejervarya neilcoxi*** Garg and Biju *Zootaxa,* **4277**(4): 451-490, 2017.

The species *Fejervarya neilcoxi* commonly known as Neil Cox's Burrowing Frog was described by Sonali Garg and S.D. Biju based on a Holotype and four Paratypes collected from Kerala, Palakkad district, Parambikulam (10°24′36.5″N and 76°46′04.6″E, 650 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after Dr. Neil Cox, Manager of the IUCN-Conservation International Biodiversity Assessment Unit.

***Fejervarya neilcoxi*** Garg and Biju

Genus ***Sphaerotheca*** Günther, 1859

7. ***Sphaerotheca pashchima*** Padhye, Dahanukar, Sulakhe, Dandekar, Limaye and Jamdade *Journal of Threatened Taxa,* **9**(6): 10286-10296, 2017.

The species *Sphaerotheca pashchima* commonly known as Western Burrowing Frog, was described by Padhye *et al.*, based on a Holotype collected from Maharashtra, Saswad-Waghapur Road, Ambodi Village (18.350°N and 74.041°E, 747m), and several Paratypes collected from different localities of Maharashtra. The Holotype specimen has been deposited in BNHS whereas the Paratypes are deposited at several different institutions of the world. The species name has been derived from Sanskrit, *'Pashchim'* which means 'west' and is used to signify the distribution of the species in western India.

Family MEGOPHRYIDAE

Genus ***Xenophrys*** Günther, 1864

8. ***Xenophrys katabhako*** Deuti, Grosjean, Nicolas, Vasudevan and Ohler *Alytes,* **34**: 20-48, 2017.

The species *Xenophrys katabhako* was described by Deuti *et al.*, based on a Holotype collected from Sikkim, North district, Kabi. The type specimen has been deposited in NZC, ZSIK. The species name refers to the horny spinules on the ventral side of thighs.

***Xenophrys katabhako*** Deuti, Grosjean, Nicolas, Vasudevan and Ohler

9. ***Xenophrys sanu*** Deuti, Grosjean, Nicolas, Vasudevan and Ohler *Alytes,* **34**: 20-48, 2017.

The species *Xenophrys sanu* was described by Deuti *et al.*, based on a Holotype collected from West Bengal, Darjeeling district, Latpancher. The type specimen has been deposited in NZC, ZSIK. The species name refers to the small size of the species and has been derived from the local Gorkha language.

***Xenophrys sanu*** Deuti, Grosjean, Nicolas, Vasudevan and Ohler

Family NASIKABATRACHIDAE

Genus ***Nasikabatrachus*** Biju & Bossuyt, 2003

10. ***Nasikabatrachus bhupathi*** Janani, Vasudevan, Dutta and Aggarwal *Alytes, The International Journal of Batrachology*, **34**(1-4): 1-19, 2017.

The species *Nasikabatrachus bhupathi* was described by Janani *et al.*, based on a Holotype and twelve Paratypes collected from Tamil Nadu, from a stream flowing through a farm outside the Watrap Range of the Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary. The type specimens have been deposited in NZC, ZSIK. The species has been named in honour of a noted Scientist and an eminent field herpetologist, Dr. S. Bhupathy.

***Nasikabatrachus bhupathi*** Janani, Vasudevan, Dutta and Aggarwal

Family NYCTIBATRACHIDAE

Genus ***Nyctibatrachus*** Boulenger, 1882

11. ***Nyctibatrachus athirappillyensis*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus athirappillyensis* commonly known as Athirappilly Night Frog was described by Garg

*et al*., based on a Holotype and five Paratypes collected from Kerala, Thrissur district, Vazhachal forest division, Thavalakuzhipara (10°16′53″N and 76°41′25.6″E, 530 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the Athirappilly falls, which is in close vicinity of the type locality.

***Nyctibatrachus athirappillyensis*** Garg, Suyesh, Sukesan and Biju

12. ***Nyctibatrachus manalari*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus manalari* commonly known as Manalar Night Frog was described by Garg *et al*., based on a Holotype and four Paratypes collected from Kerala, Idukki district, Periyar Tiger Reserve, Upper Manalar (09°34′29.31″N and 77°20′10.27″E, 1564 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the type locality.

***Nyctibatrachus manalari*** Garg, Suyesh, Sukesan and Biju

13. ***Nyctibatrachus pulivijayani*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus pulivijayani* was described by Garg *et al*., based on a Holotype and four Paratypes collected from Kerala, Thiruvananthapuram district, Pandipath (08°40′42.0″N and 77°11′38.6″E, 1,250 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after Mr. Vijayan Kani, for his consistent support to the authors. The specific word '*puli*' refers to the leopard-like spots observed on the dorsal surface of the species.

***Nyctibatrachus pulivijayani*** Garg, Suyesh, Sukesan and Biju

14. ***Nyctibatrachus radcliffei*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus radcliffei* commonly known as Radcliffe's Night Frog was described by Garg *et al*., based on a Holotype and four Paratypes collected from Tamil Nadu, Nilgiris district, Thiashola estate (11°13′48.2″N and 76°37′02.1″E, 1920 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named in the memory of Major Richard Radcliffe in recognition of his contribution towards biodiversity conservation in the Nilgiris.

15. ***Nyctibatrachus robinmoorei*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus robinmoorei* commonly known as Robin Moore's Night Frog was described by Garg *et al*., based on a Holotype and a Paratype collected from Tamil Nadu, Tirunelveli district, Kakkachi (08°33′02.6″N and 77°23′29.6″E, 1290 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named in honour of Dr. Robin Moore, a wildlife photographer and conservationist, in appreciation of his contributions to amphibian conservation.

16. ***Nyctibatrachus sabarimalai*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus sabarimalai* commonly known as Sabarimala Night Frog was described by Garg *et al*., based on a Holotype and five Paratypes collected from Kerala, Pathanamthitta district, Pamba (09°24′17.6″N and 77°04′11.6″E, 210m). The type specimens have been deposited in NZC, ZSI-WGRC. The species has been named after Sabarimala, a pilgrim site located inside the Periyar Tiger Reserve.

17. ***Nyctibatrachus webilla*** Garg, Suyesh, Sukesan and Biju *Peer J.* **5**: e3007, 2017.

The species *Nyctibatrachus webilla* commonly known as Kadalar Night Frog was described by Garg *et al.*, based on a Holotype and three Paratypes collected from Kerala, Idukki district, Kadalar (10°07′52.0″N and 77°00′01.8″E, 1429 m). The type specimens have been deposited in NZC, ZSI-WGRC. The species name refers to the prominently reduced foot webbing in the species in comparison to its close relative *Nyctibatrachus deccanensis*.

Family RANIDAE

Genus ***Odorrana*** Fei, Ye & Huang 1990

18. ***Odorrana arunachalensis*** Saikia, Sinha and Kharkongor *Journal of Bioresources,* **4**(2): 30-41, 2017.

The species *Odorrana arunachalensis* commonly known as Arunachal Cascade Frog, was described by Saikia *et al.*, based on a Holotype collected from Arunachal Pradesh, Lower Subansiri district, outskirts of Ziro, 10km on the way to Tamen (27°38.366′N and 93°52.226′E, 1677 m); and three Paratypes collected from Arunachal Pradesh, Lower Subansiri district, Pange, Talle Valley WLS (27°32.862′N and 93°53.870′E, 1798m) and Arunachal Pradesh, Lower Subansiri district, Tassi Budag, before Tragopan Point, Talle Valley WLS (27°32.455′N and 93°55.643′E, 2390m). The Holotype specimen has been deposited in NZC, ZSI-NERC and the Paratypes have been deposited in NZC, ZSI-APRC. The species name refers to the Indian State - Arunachal Pradesh.

***Odorrana arunachalensis*** Saikia, Sinha and Kharkongor

## TWO NEW GENERA AND TWELVE NEW SPECIES OF REPTILIA

Order ALLOKOTOSAURIA

Family AZENDOHSAURIDAE

Genus ***Shringasaurus*** Sengupta *et al.*, 2017

1. ***Shringasaurus indicus*** Sengupta, Ezcurra and Bandyopadhyay *Scientific Reports* 7, 8366 (2017).

The genus *Shringasaurus* and the species *Shringasaurus indicus* was described by Sengupta *et al.*, from Madhya Pradesh, Near Tekapar Village, Hoshangabad District; Denwa Formation, Anisian, early Middle Triassic, Satpura Gondwana Basin. The specimen has been deposited at ISI. The species name has been derived from 'Śṛṅga' (Shringa), horn (ancient Sanskrit), and 'sauros' (σαῦρος), lizard (ancient Greek), referring to the horned skull; 'indicus', Indian (Latin English), refers to the country where the species was discovered.

***Shringasaurus indicus*** Sengupta, Ezcurra and Bandyopadhyay

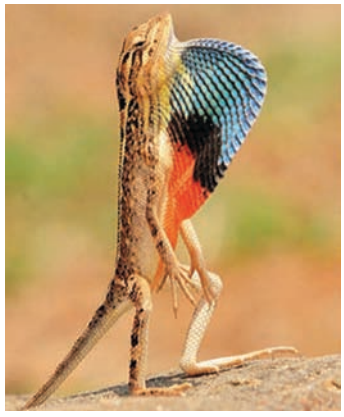
Order SQUAMATA

Family AGAMIDAE

Genus ***Sarada*** Deepak, Karanth and Giri, 2017

2. ***Sarada darwini*** Deepak, Karanth, Dutta and Giri *Contributions to Zoology,* **85**(1) 67-111, 2017.

The genus *Sarada* and species *Sarada darwini,* commonly known as Darwin's large fan-throated lizard, was described by Deepak *et al.*, based on a Holotype collected from Karnataka, Dharwad District, Bidnal (15.32724°N and 75.15823°E) and two Paratypes collected from Maharashtra, Kolhapur District, Girgaon (16.61069°N and 74.21253°E). The Holotype specimen has been deposited at NCBS, whereas the Paratype specimens have been deposited at BNHS. The genus name refers to agamid lizards, in the local Marathi language and the species has been named in the honour of Charles Darwin, for he used *Sitana* as an example of secondary sexual characteristics in his book "The Descent of Man, and Selection in Relation to Sex".



***Sarada darwini*** Deepak, Karanth, Dutta and Giri

3. ***Sarada superba*** Deepak, Zambre, Bhosale and Giri *Contributions to Zoology,* **85**(1) 67-111, 2017.

The species *Sarada superba,* commonly known as the Superb large fan-throated lizard, was described by Deepak *et al.*, based on a Holotype and two Paratypes collected from Maharashtra, Satara District, Chalkewadi (17.57635°N and 73.82430°E, 1100m-1300m). The Holotype specimen has been deposited at NCBS, whereas the Paratype specimens have been deposited at BNHS. The species name has been derived from Latin and refers to the dramatic display of the large dewlap with brilliant breeding colours.

***Sarada superba*** Deepak, Zambre, Bhosale and Giri

Genus ***Sitana*** Cuvier, 1829

4. ***Sitana laticeps*** Deepak and Giri *Contributions to Zoology,* **85**(1) 67-111, 2017.

The species *Sitana laticeps* commonly known as Broad-headed-fan-throated-lizard, was described by V. Deepak and Varad B. Giri, based on a Holotype collected from Maharashtra, Pune district, Bopdev Ghat (18.372818°N and 73.9128°E), and two Paratypes collected from Maharashtra, Pune district, Saswad (18.347139°N and 73.898489°E). The Holotype specimen has been deposited at NCBS, whereas the Paratype specimens have been deposited at BNHS. The species name has been derived from Latin and refers to the broad head of the species.

***Sitana laticeps*** Deepak and Giri

5. ***Sitana spinaecephalus*** Deepak, Vyas and Giri *Contributions to Zoology,* **85**(1) 67-111, 2017.

The species *Sitana spinaecephalus* commonly known as Spiny-headed fan-throated lizard, was described by Deepak *et al.*, based on a Holotype collected from Gujarat, Panchmahal District, Halol (22.43163°N and 73.62966°E) and two Paratypes collected from Gujarat, Narmada District, Rajpipala, Mandan (21.76298°N and 73.4958°E) and Maharashtra, Thane District, Badlapur (19.17234°N, and 73.26338°E). The Holotype specimen has been deposited at NCBS, whereas the Paratype specimens have been deposited at BNHS. The species name refers to the row of four spine-like enlarged scales bordering the occipital region.

***Sitana spinaecephalus*** Deepak, Vyas and Giri

6. ***Sitana visiri*** Deepak *Contributions to Zoology,* **85**(1) 67-111, 2017.

The species *Sitana visiri* commonly known as the Palm leaf fan-throated lizard was described by V. Deepak, based on a Holotype and two Paratypes collected from Tamil Nadu, Thoothukudi, Tuticorin (8.784993°N and 78.156341°E). The Holotype specimen has been deposited at NCBS, whereas the Paratype specimens have been deposited at BNHS. The species name *'visri'* refers to a palm leaf fan, in the local Tamil language.

***Sitana visiri*** Deepak

Family COLUBRIDAE

Genus ***Blythia*** Theobald, 1868

7. ***Blythia hmuifang*** Vogel, Lalremsanga and Vanlalhrima *Zootaxa,* **4276**(4): 569-581, 2017.

The species *Blythia hmuifang* commonly known as Mizoram Ground Snake was described by Vogel *et al.*, based on a Holotype and three Paratypes collected from Mizoram, Hmuifang Community forest, Aizwal district (23°27′13.5″N and 92°45′09.5″E, 1,442 m). The type specimens have been deposited at MZMU. The species has been named in honour of the people of the Hmuifang village who have gone to great lengths to preserve their natural landscape.

***Blythia hmuifang*** Vogel, Lalremsanga and Vanlalhrima

Genus ***Rhabdops*** Boulenger, 1893

8. ***Rhabdops aquaticus*** Giri, Deepak, Rajkumar, Captain and Gower Zootaxa, **4319**(1): 27-52, 2017.

The species *Rhabdops aquaticus* commonly known as Aquatic Rhabdops was described by Giri *et al.*, based on a series of eight specimens collected from two localities of Northern Western Ghats (Baraki and Amboli). The species name has been derived from Latin, meaning water, in reference to the presence of the snake in freshwater bodies.

***Rhabdops aquaticus*** Giri, Deepak, Rajkumar, Captain and Gower

Family GEKKONIDAE

Genus ***Hemidactylus*** Oken, 1817

9. ***Hemidactylus chipkali*** Mirza and Raju *Amphibian and Reptile Conservation,* **11**(1): 51-71, 2017.

The species *Hemidactylus chipkali* commonly known as the Central Indian Leaf-toed Gecko was described by Zeeshan A. Mirza and David Raju, based on a Holotype and four Paratypes collected from Madhya Pradesh, Hoshangabad District, from a cliff along the road leading to Pachmarhi town (22.485050°N and 78.449340°E, 1,092 m). The Holotype specimens have been deposited in NCBS and the Paratypes in BNHS. The species *"chipkali"* means gecko in the local language, Hindi.

***Hemidactylus chipkali*** Mirza and Raju

10. ***Hemidactylus kangerensis*** Mirza, Bhosale and Patil *Comptes Rendus Biologies*. In Press. DOI: 10.1016/j.crvi.2017.09.003

The species *Hemidactylus kangerensis* commonly known as the Kanger valley rock gecko was described by Mirza et al, based on a Holotype collected from Chhattisgarh, Kanger Ghati National Park. The species was also found from Jagdalpur and Sukma in Chhattisgarh and in Khamman in the adjoining state of Telangana. The type specimen has been deposited in BNHS. The species name refers to the type locality, Kanger Valley National Park.

***Hemidactylus kangerensis*** Mirza, Bhosale and Patil

11. ***Hemidactylus sushilduttai*** Giri, Bauer, Mohapatra, Srinivasulu and Agarwal *Zootaxa,* **4347**(2): 331-345, 2017.

The species *Hemidactylus sushilduttai* commonly known as Dutta's Mahendragiri Gecko, was described by Giri *et al.*, based on a Holotype collected from Andhra Pradesh, Simhachalam, Visakhapatnam District (17°767'N and

83°248'E) and four Paratypes collected from different localities of Andhra Pradesh. The type specimens have been deposited at NCBS. The species has been named in honour of Sushil Kumar Dutta for his contributions to research on Indian amphibians and reptiles. The name is particularly apt as the new species is endemic to the Eastern Ghats, the region in which, much of S.K. Dutta's herpetological research has been done.

***Hemidactylus sushilduttai*** Giri, Bauer, Mohapatra, Srinivasulu and Agarwal

Family UROPELTIDAE

Genus ***Melanophidium*** Günther, 1864

12. ***Melanophidium khairei*** Gower, Giri, Captain and Wilkinson *Zootaxa,* **4085**(4): 481-503, 2017.

The non-venomous snake species *Melanophidium khairei*, commonly known as Khaire's black shieldtail, was described by Gower *et al.*, based on a Holotype and seven Paratypes collected from Maharashtra, Amboli, Sindudurg district (15°57'N and 73°59'E, 715m). The type specimens have been deposited in BNHS. The species has been named after the eminent snake conservationist, and founder of Katraj Snake Park and Herpetological Society of India - Mr. Neelimkumar Khaire.

***Melanophidium khairei*** Gower, Giri, Captain and Wilkinson

# NEW RECORDS

## FOUR NEW RECORDS OF PROTISTA

Order ACINETIDA

Family ACINETIDAE

Genus ***Acineta*** Ehrenberg, 1834

1. ***Acineta karamani*** Hadži, 1940

The species *Acineta karamani* earlier known from Yugoslavia has been reported for the first time from Indian coast as well as from Indian Ocean, based on the collection from the coastal waters of South Western Bay of Bengal. The species was found parasitizing a copepod *Labidocera acuta* (Dana). It has been published by Gouri Sahu, S. Panigrahi, A.K. Mohanty, K.K. Satpathy and Igor Doval, in the *Indian Journal of Geo Marine Science,* **46**(09): 1802-1805.

Order MOBILIDA

Family TRICHODINIDAE

Genus ***Trichodina*** Ehrenberg, 1831

2. ***Trichodina acuta*** Lom, 1961

The species *Trichodina acuta* earlier known from Bohemia has been reported for the first time from India based on the collection made from West Bengal, Haringhata, Nadia (22°53'N–24°11'N and 88°09'E–88°48'E). The species was found paratisizing Oranda Gold Fish (*Carassius auratus auratus* Linn.). The specimens have been deposited in the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. It has been published by Mandira Saha, Probir K. Bandyopadhyay and Bayram Göcmen, in the journal: *Zootaxa,* **4319**(1): 128-142.

3. ***Trichodina mutabilis*** Kazubski and Migala, 1968

The species *Trichodina mutabilis* earlier known from Poland has been reported for the first time from India based on the collection made from West Bengal, Haringhata, Nadia (22°53´N – 24°11´N and 88°09´E – 88°48´E). The species was found paratisizing Oranda Gold Fish (*Carassius auratus auratus* Linn.). The specimens have been deposited in the collection of the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. It has been published by Mandira Saha, Probir K. Bandyopadhyay and Bayram Göcmen, in the journal: *Zootaxa,* **4319**(1): 128-142.

4. ***Trichodina ngoma*** Van and Basson, 1992

The species *Trichodina ngoma* was firstly reported from *Hemigrammocharax multifasciatus* of Lake Lisikili, belonging to the Zambesi River System, which locates in Eastern Caprivi, South Africa. It has been reported for the first time from India based on the collection made from West Bengal, Haringhata, Nadia (22°53'N – 24°11'N and 88°09'E – 88°48'E). The species was found paratisizing Oranda Gold Fish (Carassius auratus auratus Linn.). The specimens have been deposited in the collection of the Parasitology Laboratory, Department of Zoology, University of Kalyani, West Bengal. It has been published by Mandira Saha, Probir K. Bandyopadhyay and Bayram Göcmen, in the journal: *Zootaxa,* **4319**(1): 128-142.

## TWENTY FIVE NEW RECORDS OF CNIDARIA

Order ACTINIARIA

Family ACTINODENDRONIDAE

Genus ***Actinodendron*** de Blainville, 1830

1. ***Actinodendron arboretum*** (Quoy and Gaimard, 1833)

The species *Actinodendron arboretum* earlier known from Singapore, Marshall Islands, New Caledonia, Australia, Solomon Islands, New Guinea, Indonesia, Okinawa, Philippines and Japan; has been reported for the first time from India based on a collection made from South Andaman, Neil Island (11°50.939'N and 93°01.207'E). The species has been deposited in NZC, ZSI-ANRC. It has been published by C. Raghunathan and Smitanjali Choudhury in the journal: *Rec. Zool. Surv. India,* **117**(1): 26-33.

***Actinodendron arboretum*** (Quoy and Gaimard, 1833)

Family ACTINIIDAE

Genus ***Anthopleura*** (Fonbressin & Michelotti, 1860)

2. ***Anthopleura elegantissima*** Brandt, 1835

The species *Anthopleura elegantissima* earlier known from Pacific coast of North America from Alaska, United States to Baja California and Mexico; has been reported for the first time from India based on a collection made from Gujarat, Vadodra-Jhala (20°78´16.60´N and 70°59´00.83´E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Genus ***Actinia*** Linnaeus, 1767

3. ***Actinia equina*** Linnaeus, 1758

The species *Actinia equina* earlier known from Mediterranean Sea and along the Atlantic coast of Africa; has been reported for the first time from India based on a collection made from Gujarat, Sutrapada (20°80´9.735˝N and 70°53´0.865˝E) and Vadodra-Jhala (20°78´16.60˝N and 70°59´00.83˝E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Genus ***Anthopleura*** Duchassing de Fonbressin & Michelotti, 1860

4. ***Anthopleura dixoniana*** Haddon and Shackleton, 1893

The species *Anthopleura dixoniana* earlier known from Western South Pacific; has been reported for the first time from India based on a collection made from Gujarat, Sutrapada (20°80´9.735˝N and 70°53´0.865˝E) and Vadodra-Jhala (20°78´16.60˝N and 70°59´00.83˝E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

5. ***Anthopleura sola*** Pearse and Francis, 2000

The species *Anthopleura sola* earlier known from north west Pacific Ocean, United States (between central California and Baja California); has been reported for the first time from India based on a collection made from Gujarat, Sutrapada (20°80´ 9.735˝N and 70°53´ 0.865˝E) and Vadodra-Jhala (20°78´16.60˝N, 70°59´ 00.83˝E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Genus ***Urticina*** Ehrenberg, 1834

6. ***Urticina clandenstina*** Sanamyan, 2013

The species *Urticina clandenstina* earlier known from British Columbia and Pacific coast of Canada; has been reported for the first time from India: Gujarat, Vadodra-Jhala (20°78' 16.60"N, 70°59' 00.83"E) situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Family AIPTASIIDAE

Genus ***Aiptasia*** Gosse, 1858

7. ***Aiptasia diaphana*** Rapp, 1829

The species *Aiptasia diaphana* earlier known from the Atlantic coast of Portugal, the Canary Islands and throughout the Mediterranean Sea and Red Sea; has been reported for the first time from India based on a collection made from Gujarat, Shivrajpur (Kachhighadi) (22°34´ 79.72˝N and 68°95´ 63.20˝E) situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

8. ***Aiptasia pulchella*** Carlgren, 1943

The species *Aiptasia pulchella* earlier recorded across the Pacific Ocean; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47' 89.32" N, 69° 07' 62.56" E), Shivrajpur (Kachhighadi) (22°34´ 79.72˝N, 68°95´63.20˝E) situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Family DIADUMENIDAE

Genus ***Diadumene*** Stephenson, 1920

9. ***Diadumene leucolena*** (Verrill, 1866)

The species *Diadumene leucolena* earlier known from Cape Cod to South Carolina, Oakland estuary, Bay of central California, Atlantic coast, Southern California bays, Coos Bay and Oregon; has been reported for the first time from India based on a collection made from South Andaman, Chouldari (11°37.224´N and 92°40.285´E). The species has been deposited in NZC, ZSI-ANRC. It has been published by C. Raghunathan and Smitanjali Choudhury in the journal: *Rec. zool. Surv. India,* **117**(1): 26-33.

***Diadumene leucolena*** (Verrill, 1866)

Family PHYMANTHIDAE

Genus ***Phymanthus*** Milne Edwards & Haime, 1851

10. ***Phymanthus buitendijki*** Pax, 1924

The species *Phymanthus buitendijki* earlier known from Red Sea; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47′ 89.32″N and 69° 07′62.56″E) situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Family STICHODACTYLIDAE

Genus ***Heteractis*** Milne-Edwards & Haime, 1851

11. ***Heteractis crispa*** Ehrenberg, 1834

The species *Heteractis crispa* earlier known from Eastern coasts of Africa, Red Sea, Polynesia, South Japan to Australia and New Caledonia; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47′89.32″N and 69°07′62.56″E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

12. ***Heteractis magnifica*** Quoy and Gaimard, 1833

The species *Heteractis magnifica* earlier known from Eastern coasts of Africa, Red Sea, Polynesia, South Japan to Australia and New Caledonia; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47′89.32″N and 69°07′62.56″E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Genus *Stichodactyla* Brandt, 1835

13. ***Stichodactyla tapetum*** Hemprich and Ehrenberg, 1834

The species *Stichodactyla tapetum* earlier known from Indian Ocean; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47′89.32″N and 69°07′62.56″E), situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Family THALASSIANTHIDAE

Genus ***Cryptodendrum*** Klunzinger, 1877

14. ***Cryptodendrum adhaesivum*** (Klunzinger, 1877)

The species *Cryptodendrum adhaesivum* earlier known from Western Pacific and Indian Ocean; has been reported for the first time from India based on a collection made from Gujarat, Okha (22°47′ 89.32″N and 69°07′ 62.56″E) situated along the Saurashtra coast. It has been published by Pinal D Shah, Nevya J Thakkar and Pradeep C. Mankodi, in the journal: *International Journal of Fauna and Biological Studies,* **4**(4): 12-18.

Order: ALCYONACEA

Family: ALCYONIIDAE

Genus ***Sarcophyton*** Lesson, 1834

15. ***Sarcophyton acutum*** Tixier-Durivault, 1970

The species *Sarcophyton acutum* earlier known from New Caledonia has been reported for the first time from India based on the collection made from North Andaman, Lamia Bay (13.175ºN and 93.051° E). The specimen has been deposited in NZC, ZSI- ANRC. It has been published by Seepana Rajendra, C. Raghunathan and Tamal Mondal; in the journal: *Journal of Threatened Taxa,* **9**(7): 10426-10432.

***Sarcophyton acutum*** Tixier- Durivault, 1970

16. ***Sarcophyton latum*** Dana, 1846

The species *Sarcophyton latum* earlier known from Fiji Island, Salomon Island, Palawan (Philippines), Australia, Comores, Nosy Be, Mascarene Islands (Madagascar), Red Sea and New Caledonia; has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, Trilby Island (13.413ºN and 93.067° E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Seepana Rajendra, C. Raghunathan and Tamal Mondal; in the journal: *Journal of Threatened Taxa,* **9**(7): 10426-10432.

***Sarcophyton latum*** Dana, 1846

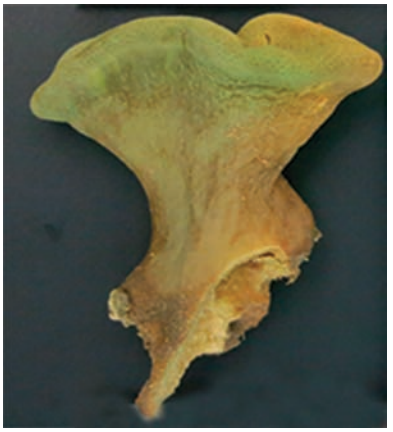
17. ***Sarcophyton spongiosum*** Thomson and Dean, 1931

The species *Sarcophyton spongiosum* earlier known from Obi Major (Molluccas), Ennadi and N. Qula'an (Red Sea); has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, Butler Bay (10.658ºN and 92.580ºE). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Seepana Rajendra, C. Raghunathan and Tamal Mondal; in the journal: *Journal of Threatened Taxa,* **9**(7): 10426-10432.

***Sarcophyton spongiosum*** Thomson and Dean, 1931

18. ***Sarcophyton cornispiculatum*** Verseveldt, 1971

The species *Sarcophyton cornispiculatum* earlier known from North-Western Madagascar, Tanzania; has been reported for the first time from India based on the collection made from Middle Andaman, Oliver Island (13°00.038′N and 92°59.216′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by S. Rajendra, C. Raghunathan, and Kailash Chandra; in the journal: *European Zoological Journal,* **84**(1): 167-171.



***Sarcophyton cornispiculatum*** Verseveldt, 1971

19. ***Sarcophyton birkelandi*** Verseveldt, 1978

The species *Sarcophyton birkelandi* earlier known from Micronesian Islands has been reported for the first time from India based on the collection made from North Andaman, Craggy Island (13.225ºN and 93.056ºE). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Seepana Rajendra, C. Raghunathan, Tamal Mondal and K. Venkataraman, in the journal: *Journal of Threatened Taxa,* **9**(8): 10577-10580.

Order SCLERACTINIA

Family CARYOLLIIDAE

Genus ***Desmophyllum*** Ehrenberg, 1834

20. ***Desmophyllum dianthus*** Esper, 1794

The species *Desmophyllum dianthus* earlier known from Australia, Chile, Cuba, Ecuador, New Zealand and United States; has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, Oliver Island (12°59.585›N and 92°58.154›E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Tamal Mondal, C. Raghunathan and K. Venkataraman; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(08): 1627-1631.

***Desmophyllum dianthus*** Esper, 1794

Family DENDROPHYLLIIDAE

Genus ***Balanophyllia*** Wood, 1844

21. ***Balanophyllia galapagensis*** Vaughan, 1906

The species *Balanophyllia galapagensis* earlier known from Galapagos, has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, Rutland Island (11°29.485′N and 92°40.577′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Tamal Mondal, C. Raghunathan and K. Venkataraman; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(08): 1627-1631.

Genus ***Cladopsammia*** Lacaze- Duthiers, 1897

22. ***Cladopsammia eguchii*** Wells, 1982

The species *Cladopsammia eguchii* earlier known from Australia, Gulf of Panama, Hawaii and Japan, has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, Oliver Island (12°59.585′N and 92°58.154′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Tamal Mondal, C. Raghunathan and K. Venkataraman in the journal: *Indian Journal of Geo Marine Sciences,* **46**(08): 1627-1631.

***Cladopsammia eguchii*** Wells, 1982

Genus ***Turbinaria*** Oken, 1815

23. ***Turbinaria patula*** (Dana, 1846)

The species *Turbinaria patula* earlier known from Eastern Indian Ocean, Northern Australia, South China Sea and the western Pacific Ocean; has been reported for the first time from India based on the collection made from Palk Bay. It has been published by G. Mathews, K. Diraviya Raj, S. Rajesh, P. Dinesh Kumar and J.K. Patterson Edward, in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 190-191.

Family FLABELLIDAE

Genus ***Truncatoflabellum*** Cairns, 1989

24. ***Truncatoflabellum spheniscus*** (Dana, 1846)

The species *Truncatoflabellum spheniscus* earlier known from Australia, Indonesia, Japan, Netherlands, New Zealand, South Korea and Taiwan; has been reported for the first time from India based on the collection made from Gandhi Nagar of Great Nicobar Island (06° 51.197′N and 93°54.026′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Tamal Mondal, C. Raghunathan and K. Venkataraman; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(08): 1627-1631.

***Truncatoflabellum spheniscus*** (Dana, 1846)

Order RHIZOSTOMEAE

Family CASSIOPEIDAE

Genus ***Cassiopea*** Péron & Lesueur, 1810

25. ***Cassiopea andromeda*** (Forsskål, 1775)

The species *Cassiopea andromeda* earlier known from Hawaiian Islands and Red Sea; has been reported for the first time from India based on the collection made from Gujarat, Arambhada, Gulf of Kutch. The specimen has been deposited in BNHS. It has been published by Amruta Prasade, Pooja Nagale and Deepak Apte in the journal: *Marine Biodiversity Records,* **9**: 36 DOI 10.1186/s41200-016-0031-8.

***Cassiopea andromeda*** Forsskål, 1775

## TWO NEW RECORDS OF PLATYHELMINTHES

Order POLYCLADIDA

Family PSEUDOCEROTIDAE

Genus ***Pseudoceros*** (Lang, 1884)

1. ***Pseudoceros bolool*** (Newman and Cannon, 1994)

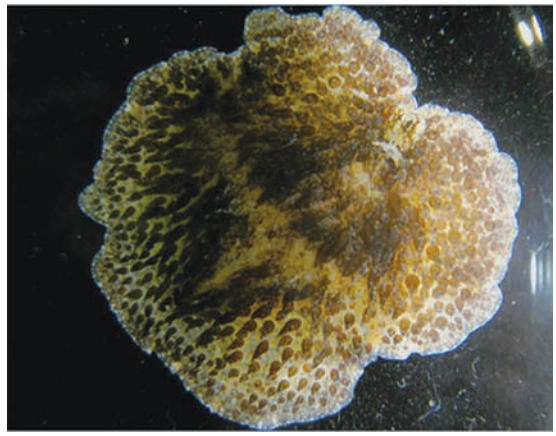
The species *Pseudoceros bolool* earlier known from Heron Island and One Tree Island in Australia, Madang in Papua New Guinea (Newman, 1994); and also recorded in the Caribbean Islands, Indian Ocean (Hyman, 1954) has been reported for the first time from India based on the collection made from Gujarat, on rocky shore of Shivrajpur coast (22°19'56.35"N and 68°56'56.44"E) belongs to Devbhoomi Dwarka district of Gujarat. It has been published by Nevya J Thakkar, Pinal D Shah, Kangkan Jyoti Sarma and Pradeep C. Mankodi, in the journal: *International Journal of Zoology Studies,* **2**(5): 56-57.

***Pseudoceros bolool*** (Newman and Cannon, 1994)

Genus ***Thysanozoon*** Grube, 1840

2. ***Thysanozoon brocchii*** Risso, 1818

The species *Thysanozoon brocchii* earlier known from Italy, Mediterranean, Japan, South and West Africa, Florida, New Zealand, Brazil, and United Kingdom; has been reported for the first time from India based on the collection made from Maharashtra, littoral area of Ratnagiri Mandvi (16.98758°N and 73.27486°E); and Gujarat, Dwarka (22.240323°N and 68.957424°E). The specimens have been deposited in BNHS. It has been published by Reshma Pitale and Deepak Apte, in the journal: *Marine Biodiversity Records,* 10:21 DOI 10.1186/s41200-017-0123-0.



***Thysanozoon brocchii*** Risso, 1818

## TWENTY SEVEN NEW RECORDS OF NEMATODA

Order DESMODORIDA

Family MICROLAIMIDAE

Genus ***Calomicrolaimus*** Lorenzen, 1976

1. ***Calomicrolaimus honestus*** De Man, 1922

The species *Calomicrolaimus honestus* earlier known from West Scotland, Ireland, Spitsbergen; England; Southwest and Northeast England, European waters, Belgium, Skagerrak, Oresund, Kattegatt, Baltic Sea and Kieler Buchat; has been reported for the first time from India based on the collection made from Andhra Pradesh, Tammenapatanam. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

Genus ***Microlaimus*** de Man, 1880

2. ***Microlaimus conothelis*** Lorenzen, 1973

The species *Microlaimus conothelis* earlier known from West Scotland; England; European waters; Bay of Kiel and Helgoland; has been reported for the first time from India based on the collection made from Andhra Pradesh, Cuddalore – Sipcot and Cheyyur. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

3. ***Microlaimus robustidens*** Stekhoven and De Connick, 1933

The species *Microlaimus robustidens* earlier known from West Scotland; England; Southwest England; European waters; North Sea and Belgium; has been reported for the first time from India based on the collection made from Andhra Pradesh, Cuddalore – Sipcot, Chennai, Tammenapatanam and Singarayakonda. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal

Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

Order DORYLAIMIDA

Family APORCELAIMIDAE

Genus ***Aporcelaimellus*** Thorne & Swanger, 1936

4. ***Aporcelaimellus krygeri*** (Ditlevsen, 1928 Heyns, 1965

The species *Aporcelaimellus krygeri* earlier known from United States; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Japur. The species has been collected from the soil around the roots of host plant *Pinus* sp. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

5. ***Aporcelaimellus obscuroides*** Altheer,1967

The species *Aporcelaimellus obscuroides* earlier known from South Dakota and Iowa (United State); has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Sond Sankri. The species has been collected from the soil around the roots of host plant *Deodar* sp. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Family DORYLAIMIDAE

Genus ***Metaporcelaimellus*** Lordello, 1965

6. ***Metaporcelaimellus marinensis*** Alvarez-Ortega, Subbotin and Pen-Santiaga, 2012

The species *Metaporcelaimellus marinensis* earlier known from California; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Pragati Nagar. The species has been collected from the soil around the roots of host plant *Pinus* sp. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Genus ***Mesodorylaimus*** Andrassy, 1959

7. ***Mesodorylaimus pulcher*** Andrasssy, 1986

The species *Mesodorylaimus pulcher* earlier known from Ecuador; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Rupin. The species has been collected from the soil around the roots of host plant *Plantago* sp. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Family LEPTONCHIDAE

Genus ***Leptonchus*** Cobb, 1920

8. ***Leptonchus transvaalensis*** Heyns, 1963

The species *Leptonchus transvaalensis* earlier known from South Africa; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Misri Tandi. The species has been collected from the soil around the roots of host plant *Moru* sp. The specimen has been deposited in NZC, ZSI-NRC.It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Family NYGOLAIMIDAE

Genus ***Nygolaimus*** Cobb, 1913

9. ***Nygolaimus tenuis*** Heyns, 1967

The species *Nygolaimus tenuis* earlier known from United States of America; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Sirga. The species has been collected from the soil around the roots of host plant *Gentiana kurroo* Royle. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Genus ***Paravulvus*** Heyns, 1968

10. ***Paravulvus hartingii*** (de Man, 1880) Thorne, 1974

The species *Paravulvus hartingii* earlier known from United States, Netherlands, England, Canada, California and South Africa; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park,Sankri. The species has been collected from the soil around the roots of host plant *Bergenia ciliata* (Haw.) Sternb. Revis. Sax. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Order ENOPLIDA

Family LEPTSOMATIDAE

Genus ***Leptosomatum*** Bastian, 1865

11. ***Leptosomatum elongatum*** Bastian, 1865

The species *Leptosomatum elongatum* earlier known from England, Black Sea, Falmouth, Plymouth, Northumberland, Isles of Scilly, United States of America: California and Bay of Panama, Australia: Port Jackson; has been reported for the first time from India based on the collection made from Andhra Pradesh, Visakhapatnam. It has been published by Navneen babu M, Vijaya Bhanu Ch and Annapurna C; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(02): 310-316.

Family PHANODERMATIDAE

Genus ***Phanoderma*** Bastian, 1865

12. ***Phanoderma albidum*** Bastian, 1865

The species *Phanoderma albidum* earlier known from Falmouth, Plymouth, Northumberland, Isles of Scilly; has been reported for the first time from India based on the collection made from Andhra Pradesh, Visakhapatnam. It has been published by Navneen babu M, Vijaya Bhanu Ch and Annapurna C; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(02): 310-316.

Family THORACOSTOMOPSIDAE

Genus ***Enoploides*** Saveljev, 1912

13. ***Enoploides longispiculosus*** Vitiello, 1967

The species *Enoploides longispiculosus* earlier known from Maldives has been reported for the first time from India based on the collection made from the continental shelf region off Visakhapatnam extending from (17°44′ 41″N to 17°28′16″N latitude and from 83°21′40″E to 83º33′32″E longitudes). It has been published by Navneen babu M, Vijaya Bhanu Ch and Annapurna C; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(02): 310-316.

Genus ***Enoplolaimus*** de Man, 1893

14. ***Enoplolaimus subterraneus*** Gerlach, 1952

The species *Enoplolaimus subterraneus* earlier known from Exe estuary (intertidal sand) [Devon, England]; has been reported for the first time from India based on the collection made from Andhra Pradesh, Visakhapatnam. It has been published by Navneen babu M, Vijaya Bhanu Ch and Annapurna C; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(02): 310-316.

Order MONONCHIDA

Family IOTONCHIDAE

Genus ***Iotonchus*** Cobb, 1916

15. ***Iotonchus sagaensis*** Khan, Araki and Bilgrami, 2000

The species *Iotonchus sagaensis* earlier known from Japan; has been reported for the first time from India based on the collection made from Uttarakhand: Motichur-Range, 1km before range office, Rajaji National Park (30°1′0″N and 78°10′57″E, 300.905 m). The species has been collected from the soil around the roots of host species Sain (*Terminalia tomentosa* Roxb.). The specimen has been deposited in NZC, ZSI-NRC. It has been published by Soumi Paul and Vinita Sharma; in the journal: *International Journal of Zoology and Research (IJZR),* **7**(1): 13-20.

16. ***Iotonchus tenuidentatus*** (Kreis, 1924) Mulvey, 1963

The species *Iotonchus tenuidentatus* earlier known from Nigeria, Kenya, Suriname, Costa Rica, USA-Florida; has been reported for the first time from India based on the collection made from Uttarakhand, near Chilla-Range-Office, Rajaji National Park (29.940337°N and 78.240871°E). The specimen has been deposited in NZC, ZSI-NRC. It has been published by Soumi Paul and Vinita Sharma; in the journal: *International Journal of Zoology and Research (IJZR),* **7**(1): 13-20.

Genus ***Nullonchus*** Siddiqi, 1984

17. ***Nullonchus levistomus*** Siddiqi,1984

The species *Nullonchus levistomus* earlier known from Colombia; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Purti. The species has been collected from the soil around the roots of host plant *Almanda* sp.The specimen has been deposited in NZC, ZSI-NRC. It has been published by Vinita Sharma, in the journal: Current Nematology, **28**(2): 239-245.

Family MONONCHIDAE

Genus ***Coomansus*** Jairajpuri & Khan, 1977

18. ***Coomansus arvensis*** (Eroshenko, 1972) Jairajpuri & Khan, 1977

The species *Coomansus arvensis* earlier known from Russia-Far East; has been reported for the first time from India based on the collection made from Uttarakhand: Hazara Range, Rajaji National Park (30°09′05.6″N and 78°04′19.3″E). The species has been collected from the soil around the roots of host species Sagun (*Tectona grandis* L.F.). The specimen has been deposited in NZC, ZSI-NRC. It has been published by Soumi Paul and Vinita Sharma; in the journal: *International Journal of Zoology and Research (IJZR),* **6**(6): 13-18.

19. ***Coomansus ouinnensis*** (Yeast, 1992) Andrassy, 1993

The species *Coomansus ouinnensis* earlier known from New Caledonia; has been reported for the first time from India based on a collection made from Uttarakhand, Uttarkashi, Govind Wildlife Sanctuary and National Park, Sond Sankri. The species has been collected from the soil around the roots of host plant *Deodar* sp. The specimen has been deposited in NZC, ZSI-NRC.It has been published by Vinita Sharma, in the journal: *Current Nematology*, **28**(2): 239-245.

Genus ***Iotonchulus*** Andrássy, 1993

20. ***Iotonchulus darreni*** (Ahmad, Baniyamuddin & Jairajpuri, 2005) Vinciguerra and Orselli, 2006.

The species *Iotonchulus darreni* earlier known from Singapore; has been reported for the first time from India based on the collection made from Uttarakhand: Ramgarh-Range Asarori and Ramgarh-Range near

Phandowala Chowk, Rajaji National Park (30°13′49″N and 77°58′58″E, 696.380m) and (30°12′42″N and 78°0′28″E, 611.847 m). The species has been collected from the soil around the roots of host species Sal (*Shorea robusta* Gaertn. F.).The specimen has been deposited in NZC, ZSI-NRC. It has been published by Soumi Paul and Vinita Sharma; in the journal: *International Journal of Zoology and Research (IJZR),* **7**(1): 13-20.

Genus ***Mulveyvellus*** Siddiqi, 1984

21. ***Mulveyvellus parazschokkei*** (Allgen, 1929) Andrássy, 1993

The species *Mulveyvellus parazschokkei* earlier known from Nigeria, Kenya, Suriname, Costa Rica, USA- Florida; has been reported for the first time from India based on the collection made from Uttarakhand, away from Chilla-Range-office, Rajaji National Park, (29.918621°N and 78.233464°E). The species has been collected from the soil around the roots of host species *Sheesham Dalbergia sissoo*. The specimen has been deposited in NZC, ZSI-NRC. It has been published by Soumi Paul and Vinita Sharma; in the journal: *International Journal of Zoology and Research (IJZR),* **7**(1): 13-20.

Order MONHYSTERIDS

Family SPHAEROLAIMIDAE

Genus ***Sphaerolaimus*** Bastian, 1865

22. ***Sphaerolaimus balticus*** Schneider, 1906

The species *Sphaerolaimus balticus* earlier known from Norwegian Sea and different microhabitats in the mangrove forest of Itamaraca Island, Northeastern Brazil; has been reported for the first time from India based on the collection made from Andaman and Nicobar Islands, the mangrove coast line of Sipphighat, South Andaman Island (11°36.323′N and 092°41.214′E to 11°36.339′N and 092°41.252′E). It has been published by Prasath D., J. Balasubramaniam, P. Marimuthu and K.A. Jayaraj, in the journal: *Indian Journal of Geo Marine Science,* **46**(06): 1105-1109.

23. ***Sphaerolaimus islandicus*** Ditlevsen, 1926

The species *Sphaerolaimus islandicus* earlier known from Norwegian Sea and different microhabitats in the mangrove forest of Itamaraca Island, Northeastern Brazil; has been reported for the first time from India based on the collection made from the mangrove coast line of Sipphighat, South Andaman Island (11°36.323′N and 092°41.214′E to 11°36.339′N and 092°41.252′E). It has been published by Prasath D., J. Balasubramaniam, P. Marimuthu and K.A.Jayaraj, in the journal: *Indian Journal of Geo Marine Science,* **46**(06): 1105-1109.

Order PLECTIDA

Family LEPTOLAIMIDAE

Genus ***Leptolaimus*** de Man, 1876

24. ***Leptolaimus ampullaceus*** Warwick, 1970

The species *Leptolaimus ampullaceus* earlier known from West Scotland; England; Southwest England and European waters; has been reported for the first time from India based on the collection made from Andhra Pradesh, Cuddalore – Sipcot and Karaikkal. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

25. ***Leptolaimus elegans*** Stekhoven and De Coninck, 1933

The species *Leptolaimus elegans* earlier known from Northeast Ireland; England; Southwest and Northeast England; Baltic Sea, Kieler Buchat, Kattegatt and Helgoland; has been reported for the first time from India based on the collection made from Andhra Pradesh, Karaikkal and Cheyyur. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

26. ***Leptolaimus papilliger*** De Man, 1876

The species *Leptolaimus papilliger* earlier known from Northeast Ireland; England; Netherland, Southwest England and North Sea; has been reported for the first time from India based on the collection made from Andhra Pradesh, Parangipettai. It has been published by K.G.M.T. Ansari, P.S. Lyla and S. Ajmal Khan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(01): 155-162.

Order TRIPLONCHIDA

Family RHABDODEMANIIDAE

Genus ***Rhabdodemania*** Bayliss & Daubney, 1926

27. ***Rhabdodemania major*** Southern, 1914

The species *Rhabdodemania major* earlier known from West Ireland, Isles of Scilly; has been reported for the first time from India based on the collection made from Visakhapatnam. It has been published by Navneen babu M, Vijaya Bhanu Ch and Annapurna C; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(02): 310-316.

## TWO GENERA AND THIRTEEN SPECIES NEW RECORDS OF ARACHNIDA

Order ARANEAE

Family OECOBIIDAE

Genus ***Uroctea*** Dufour, 1820

1. ***Uroctea thaleri*** (Rheims, Santos and Van Harten, 2007)

The species *Uroctea thaleri* earlier known from Israel,

Iran, Yemen and Turkey; has been reported for the first time from India based on the collection made from Delhi, Guru Gobind Singh Indraprastha University campus (28º35´39.89´´N and 77º01´14.52´´E). The specimen has been deposited in IPUM. It has been published by Shubhi Malik, Sanjay Keshari Das and Manju Siliwal, in the journal: *European Journal of Zoological Research,* **5**(1):15-18.

Family PSECHRIDAE

Genus ***Psechrus*** Thorell, 1878

2. ***Psechrus inflatus*** Bayer, 2012

The species *Psechrus inflatus* earlier known only from Yunnan Province of China; has been reported for the first time from India based on the collection made from Assam, Silchar (24º52´14.664´´N and 92º51´37.3284´´E). The specimen has been deposited in NZC, ZSIK. It has been published by Sumantika Chatterjee, JohnT.D.Caleb, Kaomud Tyagi, Shantanu Kundu and Vikas Kumar, in the journal: *Rec. zool. Surv. India:* **117**(4)/ 2017.

Family SALTICIDAE

Genus ***Brettus*** Thorell, 1895

3. ***Brettus cingulatus*** Thorell, 1895

The species *Brettus cingulatus* earlier known from Myanmar has been reported for the first time from India based on the collection made from Maharashtra, Nagaon, Alibaug District. The specimen has been deposited in Forest Training Institute, Chikhaldara, Amravati. It has been published by Javed Ahmed, Rajashree Khalap, David Hill, Sumukha J.N. and Krishna Moha, in the journal: *PECKHAMIA,* **151.1**: 1-13.

Genus ***Cyrba*** Simon, 1876

4. ***Cyrba ocellata*** (Kroneberg, 1875)

The genus *Cyrba* Simon, 1876 earlier known from Central Asia, Ethiopia, South and East Africa, Kenya, Madagascar, Australia, Sudan, China and the species *Cyrba ocellata* earlier known from Eastern Africa and Indonesia, Caucasus to Central Asia and China and Australia (Queensland); has been reported for the first time from India based on the collection made from Karnataka, Kalaburagi, Chincholli, Chikkalingadalli forest (17º26´23.7´´N and 77º29´46.9´´E). The specimen has been deposited in Spider Research Centre of J. D. Patil Sangludkar Mahavidyalaya campus, Daryapur; and also in Government College Kalaburagi, Karnataka. It has been published by Supriya Sudarshan Talwar, Shashikanth Hanmanthappa Majagi, Katepaga Vijaykumar, Atul Keshaorao Bodhke and Subhash Suresh Kamble, in the journal: *Serket,* **15**(3): 138-142.

***Cyrba ocellata*** (Kroneberg, 1875)

Genus ***Icius*** Simon, 1876

The genus *Icius* Simon earlier known from Europe, mainly in Belgium, Croatia, France, Germany, Italy, Greece, Poland, Romania, Portugal, Southern Russia, Slovenia, Switzerland, Spain and in Netherlands, Asia, Africa, Central and South America, has been reported for the first time from India based on the collection made from Tamil Nadu, Chennai, Thirumullaivoyal (13°7´30.327´´N and 80°8´8.523´´E). It has been published by John T.D. Caleb in the journal: *Arthropoda Selecta,* **26**(4): 323-327.

Refer ***Icius Kumariae*** Caleb

Family THERIDIIDAE

Genus ***Ruborridion*** Wunderlich, 2011

5. ***Ruborridion musivum*** (Simon, 1873)

The species *Ruborridion musivum* earlier known only from the Mediterranean region; has been reported for the first time from India based on the collection made from Joshimath, Nanda Devi Biosphere Reserve (NDBR), Uttarakhand (30°29´42.1´´N and 79°42´19.3´´E); (30°33´02.6´´N and 79°33´14.0´´E); and Dapoli, District Ratnagiri, Maharashtra. The specimen has been deposited in WILD. It has been published by Shazia Quasin, Manju Siliwal, Vinayak Krishna Patil and V.P.Uniyal, in the journal: *Munis Entomology & Zoology,* **12**(1): 27-30.

Family THOMISIDAE

Genus ***Epidius*** Thorell, 1877

6. ***Epidius parvati*** Benjamin, 2000

The species *Epidius parvati* earlier known only from Bellanwila Attidiya marshes, Colombo, Sri Lanka; has been reported for the first time from India based on the collection made from Kerala, Pathiramanal Island, a part of Vembanad - a Ramsar site in Alappuzha District (09°37´07.11´´N and 076°23´04.95´´E). The specimen has been deposited in ADSH. It has been published by Jobi J. Malamel and Sudhikumar Ambalaparambil, in the journal: *Biotaxa,* **13**(3): 2114.

Genus ***Platythomisus*** Doleschall, 1859

7. ***Platythomisus octomaculatus*** (C.L. Koch, 1845)

The species *Platythomisus octomaculatus* earlier known from Java and Sumatra has been reported for the first time from India based on the collection made from Assam, Karimganj District, Makunda Christian Leprosy and General Hospital. The specimen has been deposited in BNHS. It has been published by Swara Yadav, Vinayak Patil and Vijay Anand Ismavel, in the journal: *Biodiversity Data Journal,* **5**: e10294.

8. ***Platythomisus sudeepi*** Biswas, 1977

The species *Platythomisus sudeepi* earlier known from Sri Lanka has been reported for the first time from India based on the collection made from Dapoli in the Western Ghats of Maharashtra. The specimen has been deposited in BNHS. It has been published by Swara Yadav, Vinayak Patil and Vijay Anand Ismavel, in the journal: *Biodiversity Data Journal,* **5**: e10294.

Family TITANOECIDAE

Genus ***Pandava*** Lehtinen, 1967

9. ***Pandava laminata*** (Thorell, 1878)

The species *Pandava laminata* earlier known from Tanzania, Kenya, Madagascar, Sri Lanka, China, New Guinea and Marquesas Islands, Germany and Hungary; has been reported for the first time from India based on the collection made from Gujarat, Katkuva, Jambughoda Wildlife Sanctuary (22°20´ to 20°33´´N and 73°35´ to 73°45´´ E). The specimen has been deposited in WILD. It has been published by Reshma Solanki, Manju Siliwal and Dolly Kumar; in the journal: *European Journal of Zoological Research,* **5**(1): 23-27.

Subclass ACARI

Family ERIOPHYOIDAE

Genus ***Acaphyllisa*** Keifer, 1978

10. ***Acaphyllisa araucuriae*** Flechtmann (2000)

The species *Acaphyllisa araucuriae* earlier known from Rio de Janeiro, Sao Paulo and Goias in Brazil; has been reported for the first time from India based on the collection made from West Bengal, Birbhum, Dubrajpur (23°34'N and 87°30'E). It has been published by Surajit Sur, Sourav Roy and S. Chakrabarti in the journal: *Proc. Zool. Soc.* Vol. **70**(2) 2017.

Genus ***Aculops*** Keifer 1966

11. ***Aculops pretoriensis*** Smith Meyer and Ueckermann 1990

The species *Aculops pretoriensis* earlier known from South Africa: Pretoria; has been reported for the first time from India based on the collection made from West Bengal, Kalimpong, Sillary Gaon (27°07'N and 88°35'E). It has been published by Surajit Sur, Sourav Roy and S. Chakrabarti in the journal: *Proc. Zool. Soc.* Vol. **70**(2) 2017.

Genus ***Tetra*** Keifer 1944

12. ***Tetra tyrohylae*** Smith Meyer 1992

The species *Tetra tyrohylae* earlier known from South Africa: Pretoria; has been reported for the first time from India based on the collection made from West Bengal, Kalimpong, Sillary Gaon (27°08'N and 88°34'E). It has been published by Surajit Sur, Sourav Roy and S. Chakrabarti in the journal: *Proc. Zool. Soc.* Vol. **70**(2) 2017.

13. ***Tetra visci*** Smith Meyer 1992

The species *Tetra visci* earlier known from South Africa: Pretoria; has been reported for the first time from India based on the collection made from West Bengal, North 24 Parganas, Barrackpur (22°46'N and 87°50'E). It has been published by Surajit Sur, Sourav Roy and S. Chakrabarti in the journal: *Proc. Zool. Soc.* Vol. **70**(2) 2017.

## SEVENTEEN NEW RECORDS OF CRUSTACEA

Order DECAPODA

Family CALAPPIDAE

Genus ***Ashtoret*** (Miers, 1877)

1. ***Ashtoret maculata*** (Miers, 1877)

The species *Ashtoret maculata* earlier known from China Sea, Indonesia, Philippines and Fiji Islands; was recorded for the first time from India based on the collection made from Tamil Nadu, Tuticorin, Gulf of Mannar (08°47´ 03.2˝N and 078°16´36.1˝E). The specimen has been deposited in NZC, ZSI-MBRC. It has been published by Rajkumar Rajan, K. Paramasivam, S. Shrinivaasu, C. Venkatraman, K. Venkataraman, P. Padamanaban, C. Surendar, Rajendar Kumar, and J. Vanishree, in the journal: *Rec. zool. Surv. India, Occ. Paper No.*, **387.**

***Ashtoret maculata*** (Miers, 1877)

Genus ***Cycloes*** De Haan, 1837

2. ***Cycloes marisrubri*** Galil & Clark, 1996

The species *Cycloes marisrubri* earlier known from Hawaii and French Polynesia; has been recorded for the first time from India based on the collection made from Tamil Nadu, Muttom coast. The specimen has been deposited in DABFUK. It has been published by Suvarna Devi, S. and A. Biju Kumar, in the journal: *Crustaceana,* **90**(5): 625-630.

Family CAMPTANDRIIDAE

Genus ***Leptochryseus*** Al-Khayat and Jones, 1996

3. ***Leptochryseus kuwaitensis*** (Jones and Clayton, 1983)

The species *Leptochryseus kuwaitensis* earlier known from Kuwait and Iran; has been reported for the first time from India based on a collection made from Gujarat, Lakhpat (23° 50′ 04″N and 068° 46′ 10″ E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jignesh N Trivedi, Dhruva J Trivedi and Kauresh D Vachhrajani in the journal: *Check List,* **13**(3): 1-5.

***Leptochryseus kuwaitensis*** (Jones and Clayton, 1983)

Genus ***Nasima*** Manning, 1991

4. ***Nasima dotilliformis*** (Alcock, 1900)

The species *Nasima dotilliformis* earlier known from Persian Gulf, UAE, Kuwait, Bahrain, Iran, Iraq and Pakistan; has been reported for the first time from India based on a collection made from Gujarat, Jakhau (23°13′26″N; 068°37′37″E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jignesh N Trivedi, Dhruva J Trivedi and Kauresh D Vachhrajani in the journal: *Check List,* **13**(3): 1-5.

***Nasima dotilliformis*** (Alcock, 1900)

Genus ***Opusia*** Ng, Rahayu & Naser, 2009

5. ***Opusia indica*** (Alcock, 1900)

The species *Opusia indica* earlier known from Persian Gulf, Iran, Iraq, UAE and Pakistan; has been reported for the first time from India based on a collection made from Gujarat, Lakhpat (23°50′01″N and 068°46′26″E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jignesh N Trivedi, Dhruva J Trivedi and Kauresh D Vachhrajani in the journal: *Check List,* **13**(3): 1-5.

***Opusia indica*** (Alcock, 1900)

Family CORYSTIDAE

Genus ***Gomeza*** Gray, 1831

6. ***Gomeza bicornis*** Gray, 1831

The species *Gomeza bicornis* earlier known from Mozambique, Sri Lanka, Japan, East China Sea, Singapore, Australia and New Caledonia; has been reported for the first time from India based on a collection made from Tamil Nadu, Keelakarai, Gulf of Mannar (09°11′13.6″N and 078°47′09.0″E). The specimen has been deposited in NZC, ZSI-MBRC. It has been published by Rajkumar Rajan, K. Paramasivam, S. Shrinivaasu, C. Venkatraman, K. Venkataraman, P. Padamanaban, C. Surendar, Rajendar Kumar, and J. Vanishree, in the journal: *Rec. Zool. Surv. India, Occ. Paper No.*, **387**.

***Gomeza bicornis*** Gray, 1831

Family DIOGENIDAE

Genus ***Areopaguristes*** (Dana, 1851)

7. ***Areopaguristes perspicax*** (Nobili, 1906)

The species *Areopaguristes perspicax* earlier known from Red Sea, Persian Gulf, Gulf of Aden, Gulf of Oman, Somalia and Pakistan; has been reported for the first time from India based on a collection made from Gujarat, Shivrajpur village (22°19'58''N and 68°57'01''E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jigneshkumar N. Trivedi and Kauresh D.Vachhrajani in the journal: *Journal of Asia-Pacific Biodiversity,* **10**:175-182.

***Areopaguristes perspicax*** (Nobili, 1906)

Genus ***Clibanarius*** Dana, 1852

8. ***Clibanarius rhabdodactylus*** Forest, 1953

The species *Clibanarius rhabdodactylus* earlier known from East Indies and Pacific Ocean, Indonesia and Polynesia; has been recorded for the first time from India based on a collection made from Gujarat, Veraval (22.916944´N and 70.348056´E). The specimen has been deposited in the Museum of Department of Biosciences, Saurashtra University, Rajkot. It has been published by Pradip Kachhiya, Jatin Raval, Paresh Poriya and Rahul Kundu in the journal: *Journal of Threatened Taxa,* **9**(6): 10334-10339.

9. ***Clibanarius rutilus*** Rahayu, 1999

The species *Clibanarius rutilus* earlier known from Northern Sulawesi and Indonesia; has been recorded for the first time from India based on a collection made from Gujarat, Veraval, (22.916944´N and 70.348056´E). The specimen has been deposited in the Museum of Department of Biosciences, Saurashtra University, Rajkot. It has been published by Pradip Kachhiya, Jatin Raval, Paresh Poriya and Rahul Kundu, in the journal: *Journal of Threatened Taxa,* **9**(6): 10334-10339.

10. ***Clibanarius virescens*** (Krauss, 1843)

The species *Clibanarius virescens* earlier known from Australia, Japan, Vietnam, Indonesia, Thailand, Pakistan, Gulf of Oman, Somalia and Africa; has been recorded for the first time from India based on a collection made from Gujarat, Veraval (20°54'37''N and 70°21'04''E). The specimen has been deposited at the Zoology Museum of Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jigneshkumar N. Trivedi and Kauresh D.Vachhrajani, in the journal: *Journal of Asia-Pacific Biodiversity,* **10**: 175-182.

***Clibanarius virescens*** (Krauss, 1843)

Genus ***Diogenes*** Dana, 1851

11. ***Diogenes fasciatus*** Rahayu and Forest, 1995

The species *Diogenes fasciatus* earlier known from Indonesia, Singapore and Pakistan; has been recorded for the first time from India based on a collection made from Gujarat, Jamnagar district, Marine National Park, Pirotan Island (22°36´15´´N and 069°57´17´´E). The specimen has been deposited at the Zoology Museum of Department

of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Swapnil Gosavi, Jignesh N Trivedi, Dhruva J Trivedi and Kauresh D Vachhrajani in the journal: *Journal of Entomology and Zoology Studies,* **5**(4): 658-662.

***Diogenes fasciatus*** Rahayu and Forest, 1995

12. ***Diogenes lophochir*** Morgan, 1989

The species *Diogenes lophochir* earlier known from Australia, Singapore, South China Sea and Pakistan; has been recorded for the first time from India based on a collection made from TamilNadu, Pamban fishing harbor (9°16'56''N and 79°12'31''E). The specimen has been deposited at the Zoology Museum of Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jignesh N Trivedi and Kauresh D Vachhrajani in the journal: *Journal of Asia-Pacific Biodiversity,* **10**: 175-182.

***Diogenes lophochir*** Morgan, 1989

Family DORRIPIDAE

Genus ***Dorippoides*** Serène & Romimohtarto, 1969

13. ***Dorippoides marisrubri*** Galil & Clark, 1996

The species *Dorippoides marisrubri* earlier known from Madagascar and Thailand; has been recorded for the first time from India based on a collection made from Tamil Nadu, Muttom coast. The specimen has been deposited in DABFUK. It has been published by Suvarna Devi, S. and A. Biju Kumar, in the journal: *Crustaceana,* **90**(5): 625-630.

Genus ***Paradorippe*** Manning & Holthuis, 1986

14. ***Paradorippe cathayana*** Manning & Holthius, 1986

The species *Paradorippe cathayana* earlier known from China and Vietnam, has been recorded for the first time from India based on a collection made from Tamil Nadu, Marakkayar Pattinam, Gulf of Mannar (09°15′11.2″N and 079°10′51.3″E). The specimen has been deposited in NZC, ZSI-MBRC. It has been published by Rajkumar Rajan, K. Paramasivam, S. Shrinivaasu, C. Venkatraman, K. Venkataraman, P. Padamanaban, C. Surendar, Rajendar Kumar, and J. Vanishree, in the journal: *Rec. Zool. Surv. India, Occ. Paper No.*, **387.**

***Paradorippe cathayana*** Manning & Holthius, 1986

Family GALENIDAE

Genus ***Hiplyra*** (Ruppell, 1830)

15. ***Hiplyra variegata*** (Ruppell, 1830)

The species *Hiplyra variegata* earlier known from Persian Gulf, East African coast to Mombasa, Kenya, Red Sea, Gulf of Aden and Gulf of Oman; has been recorded for the first time from India based on a collection made from Tamil Nadu, Pullivasal Island, Gulf of Mannar (09°14′10.2″ N and 079°11′17.7″ E). The specimen has been deposited in NZC, ZSI-MBRC. It has been published by Rajkumar Rajan, K. Paramasivam, S. Shrinivaasu, C. Venkatraman, K. Venkataraman, P. Padamanaban, C. Surendar, Rajendar Kumar, and J. Vanishree, in the journal: *Rec. zool. Surv. India, Occ. Paper No.*, **387.**

Family: MACROPHTHALMIDAE

Genus ***Chaenostoma*** (Stimpson, 1858)

16. ***Chaenostoma sinuspersici*** (Naderloo & Türkay, 2011)

The species *Chaenostoma sinuspersici* earlier known from East Africa, Madagascar, Gulf of Aden, Persian Gulf, Pakistan, Indonesia and Australia; has been reported for the first time from India based on a collection made from Gujarat, Shivrajpur village (22°19'58''N and 68°57'01''E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Jigneshkumar N. Trivedi and Kauresh D.Vachhrajani in the journal: *Nauplius,* **25**: 1-5.

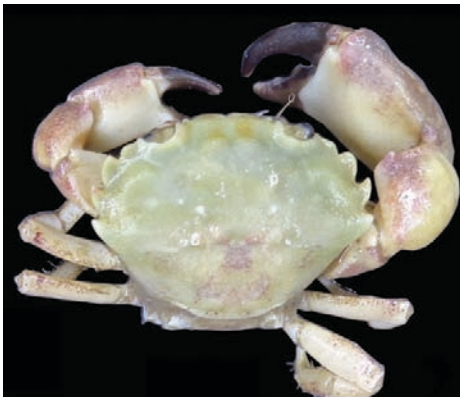
***Chaenostoma sinuspersici*** (Naderloo & Türkay, 2011)

Family PILUMNIDAE

Genus ***Pilumnopeus*** A. Milne- Edwards, 1867

17. ***Pilumnopeus convexus*** (Maccagno, 1936)

The species *Pilumnopeus convexus* earlier known from South Africa, Red sea, Iran, Saudi Arabia, Bahrain, UAE and Pakistan; has been reported for the first time from India based on a collection made from Gujarat, Kuda (21°37′33″N and 072°18′17″E). The specimen has been deposited in the Zoology Museum of the Department of Zoology, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. It has been published by Swapnil Gosavi, Jigneshkumar N. Trivedi, Dhruva J. Trivedi, Kauresh D. Vachhrajani in the journal: *Check List,* **13**(4): 1-5.



***Pilumnopeus convexus*** (Maccagno, 1936)

## TWO GENERA AND THREE SPECIES NEW RECORDS OF COLEOPTERA

Family CERAMBYCIDAE

Genus ***Aristobia*** J. Thomson, 1868

1. ***Aristobia reticulator*** (Voet)

The species *Aristobia reticulator* earlier konwn from Bangladesh, China, Laos, Myanmar, Nepal, Thailand and Vietnam; has been recorded for the first time from India based on a collection made from Arunachal Pradesh. The species was found to be a stem borer of litchi trees, *Litchi chinensis* Sonn. It has been published by M.M. Kumawat, K. Mamocha Singh and L. Wangchu, in the journal: *BioOne,* **71**(1): 131-136.

Family CURCULIONIDAE

Genus ***Coelosternechus*** Heller, 1937

2. ***Coelosternechus carinulatus*** (Heller) 1937

The genus *Coelosternechus* earlier known to be distributed only in two countries of the Indo-Australian Region and species *Coelosternechus carinulatus* earlier known only from Philippines and Indonesia (Java); has been recorded for the first time from India based on a collection made from Assam, Silchar and Tamil Nadu, Nilgiri hills. The species was found from its host plant: Betel nut tree (*Areca catechu*). The specimens have been deposited in NPC. It has been published by Salam Rita Devi, Tahseen Raza Hashmi and Debjani Dey, in the journal: *Journal of Entomology and Zoology Studies*, **5**(6): 1007-1010.


***Coelosternechus carinulatus*** (Heller)

Genus ***Eucryptorrhynchus*** Heller, 1937

The genus *Eucryptorrhynchus* earlier known from China, Korea, Cambodia, New Guinea, Russia (East Siberia), and USA; has been recorded for the first time from India based on a collection made from Meghalaya, Khasi hills. It has been published by Salam Rita Devi, Debjani Dey

and Dulal Chandra Ray, in the journal: *Oriental Insects,* **51**(1): 70-78.

Refer ***Eucryptorrhynchus khasiensis*** Devi. Dey & Ray

Family TENEBRIONIDAE

Genus ***Cryphaeus*** Klug, 1833

3. ***Cryphaeus gazella*** (Fabricius, 1798)

The species *Cryphaeus gazella* widespread in the Oriental region from Indochina to the Sunda Islands, has been recorded for the first time from India based on a collection made from Karnataka, North Kanara, Kadatoka. The specimen has been deposited in NZC, ZSI-WRC. It has been published by V.D. Hegde and Duraikannu Vasanthakumar, in the journal: *Zoology and Ecology,* **27**(2): 159-160.

***Cryphaeus gazella*** (Fabricius, 1798)

## ONE NEW RECORD OF DERMAPTERA

Family ANISOLABIDIDAE

Genus ***Gonolabis*** Burr, 1900

1. ***Gonolabis electa*** Burr, 1910

The species *Gonolabis electa* earlier known from Sri Lanka, has been recorded for the first time from India based on a collection made from Kerala, Thiruvananthapuram district, Ponmudi. The specimen has been deposited in NZC, ZSI-WGRC. It has been published by K.G. Emiliyamma in the journal: *ENTOMON,* **42**(1): 73-76.

***Gonolabis electa*** Burr, 1910

## SIX NEW RECORDS OF DIPTERA

Family CHIRONOMIDAE

Genus ***Chironomus*** Meigen (1803)

1. ***Chironomus (Chironomus) crassiforceps*** (Kieffer, 1916)

The species *Chironomus (Chironomus) crassiforceps* earlier known from Saipan, Guam, Japan and Caroline Island, has been recorded for the first time from India based on a collection made from West Bengal, Berhampur (24°14´N and 88°26´E). The specimen has been deposited in NZC, ZSIK. It has been published by G.Pal and N. Hazra, in the journal: *Far Eastern Entomologist,* **338**: 10-15.

Family DRYOMYZIDAE

Genus ***Dryomyza*** Fallén 1820

2. ***Dryomyza pakistana*** Kurahashi, 1989

The species *Dryomyza pakistana* earlier known from Pakistan; has been recorded for the first time from India based on a collection made from Jammu and Kashmir, Srinagar (34.1304°N and 74.8369°E; 34.0094°N and 74.7984°E). The specimen has been deposited in AAWC. It has been published by Wachkoo *et al.*, in the journal: *Oriental Insects*: DOI: 10.1080/00305316.2017.1377644.

Family TEPHRITIDAE

Genus ***Bactrocera*** Macquart, 1835

3. ***Bactrocera (Bactrocera) aethriobasis*** (Hardy, 1973)

The species *Bactrocera (Bactrocera) aethriobasis* earlier known from Thailand, Bhutan, Southern Vietnam and Peninsular Malaysia; has been recorded for the first time from India based on a collection made from Meghalaya, Umiam. The species was collected from its host plant: *Azadirachta indica* A. Juss. The specimen has been deposited in NBAIR. It has been published by K.J. David, D.L. Hancock, Shakti Kumar Singh, S. Ramani, G.T. Behere and S. Salini, in the journal: *Zootaxa,* **4272**(3): 386-400.

4. ***Bactrocera (Bactrocera) rubigina*** (Wang and Zhao, 1989)

The species *Bactrocera (Bactrocera) rubigina* earlier known from China, Bhutan, Thailand and Northern Veitnam; has been recorded for the first time from India based on a collection made from Tripura, Agartala, Attur farm. The species was collected from its host plant: *Litsea verticillata* Zhang. The specimen has been deposited in NBAIR. It has been published by K.J. David, D.L. Hancock, Shakti Kumar Singh, S. Ramani, G.T. Behere and S. Salini, in the journal: *Zootaxa,* **4272**(3): 386-400.

5. ***Bactrocera (Bactrocera) syzygii*** White and Tsuruta, 2001

The species *Bactrocera (Bactrocera) syzygii* earlier known from Sri Lanka; has been recorded for the first time from India based on a collection made from Kerala, Kollam and Thalavoor. The species was collected from its host: the fruits of *Syzygium samarangense* (Blume) Merr.and Perry. The specimen has been deposited in NBAIR. It has been published by K.J. David, D.L. Hancock, Shakti Kumar Singh, S. Ramani, G.T. Behere and S. Salini, in the journal: *Zootaxa,* **4272**(3): 386-400.

6. ***Bactrocera (Bactrocera) tuberculata*** (Bezzi), 1916

The species *Bactrocera (Bactrocera) tuberculata* earlier known from Myanmar, Bhutan, China, Thailand, Souhern Vietnam and Northern Vietnam; has been recorded for the first time from India based on a collection made from Meghalaya. The specimen has been deposited in NBAIR. It has been published by K.J. David, D.L. Hancock, Shakti Kumar Singh, S. Ramani, G.T. Behere and S. Salini, in the journal: *Zootaxa,* **4272**(3): 386-400.

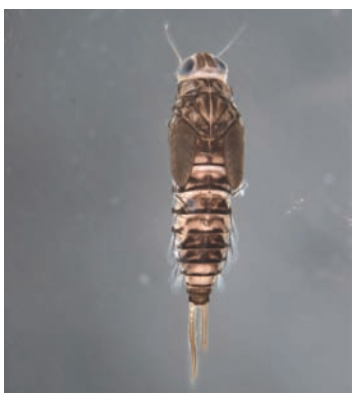
## THREE NEW RECORDS OF EPHEMEROPTERA

Family BAETIDAE

Genus ***Bungona*** Harker, 1957

1. ***Bungona (Chopralla) pusilla*** (Müller-Liebenau, 1984)

The species *Bungona (Chopralla) pusilla* earlier known from Sri Lanka, has been recorded for the first time from India based on a collection made from Tamil Nadu, Tirunelveli, Ramanathi river (08.50.534´N and 77.18.512´E). The specimen has been deposited in NZC, ZSIK. It has been published by Chellappa Selvakumar, Thangavel Kubendran, Kailash Chandra and Avtar Kaur Sidhu, in the journal: *Journal of Entomological Research*, **41**(4): 373-376.



***Bungona (Chopralla) pusilla*** (Müller-Liebenau, 1984)

2. ***Bungona (Centroptella) soldani*** (Müller-Liebenau, 1983)

The species *Bungona (Centroptella) soldani* earlier known from Sri Lanka, has been recorded for the first time from India based on a collection made from Tamil Nadu, Tirunelveli, Tamiraparani River, Kottumthalam (08.42.0279´N and 77.21.34´E; and Tamil Nadu, Kodaikanal, Moolaiyaru (10.14.19´N and 77.29.19´E), and Karnataka, Agumbe (13.30.361´N and 75.05.5314´E). The specimen has been deposited in NZC, ZSIK. It has been published by Chellappa Selvakumar, Thangavel Kubendran, Kailash Chandra and Avtar Kaur Sidhu, in the journal: *Journal of Entomological Research*, **41**(4): 373-376.

***Bungona (Centroptella) soldani*** (Müller-Liebenau, 1983)

Family LEPTOPHLEBIIDAE

Genus ***Choroterpes*** Eaton, 1881

3. ***Choroterpes (Dilatognathus) nigella*** (Kang & Yang, 1994)

The species *Choroterpes (Dilatognathus) nigella* earlier known from Thailand, Hainan and Taiwan Islands; has been recorded for the first time from India based on a collection made from Arunachal Pradesh, Lower Subansisri district, Ranga River (27.3964 N and 93.7573 E), West Bengal, Darjeeling (Sikkim border), Rishikhola, Rishi River (27.1696 N and 88.6351 E), Meghalaya, Jaintia Hills district, Wah Malidar, Malidar village. The specimen has been deposited in NZC, ZSIK. It has been published by C. Selvakumar, KA Subramanian, Kailash Chandra, KG Sivaramakrishnan, EE Jehamalar and B.Sinha, in the journal: *Zootaxa,* **4268**(3): 439-447.

***Choroterpes (Dilatognathus) nigella*** (Kang & Yang, 1994)

## FOUR NEW RECORDS OF HEMIPTERA

Family LYGAEIDAE

Genus ***Remaudiereana*** Hoberlandt, 1954

1. ***Remaudiereana flavipes*** (Motschulsky, 1863)

The species *Remaudiereana flavipes* earlier known from Myanmar, Indonesia, Senegal and China; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Great Nicobar Biosphere Reserve (GNBR), GNBR watch tower Govind. The specimen has been deposited in NZC, ZSIK. It has been published by Sandeep Kushwaha and Kailash Chandra in the journal: *Munis Entomology & Zoology,* **12**(2): 609-611.

***Remaudiereana flavipes*** (Motschulsky, 1863)

Genus ***Usilanus*** Distant, 1909

2. ***Usilanus denotatus*** Distant, 1909

The species *Usilanus denotatus* earlier known from Myanmar and China; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Port Blair. The specimen has been deposited in NZC, ZSIK. It has been published by Sandeep Kushwaha and Kailash Chandra in the journal: *Munis Entomology & Zoology,* **12**(2): 655-658.

***Usilanus denotatus*** Distant, 1909

Family PENTATOMIDAE

Genus ***Neojurtina*** Distant, 1921

3. ***Neojurtina typica*** Distant, 1921

The species *Neojurtina typica* earlier known from Tonkin (Vietnam), Borneo, China (central territory, south eastern territory, south western territory), Malaysia and Vietnam; has been recorded for the first time from India based on a collection made from Meghalaya, Ri-Bhoi, the ICAR Research Complex for North Eastern Hill Region, Umiam, (25041´N and 91055´E). The specimen has been deposited in UASB. It has been published by S. Salini in the journal: *Journal of Threatened Taxa,* **9**(4):10133-10137.

***Neojurtina typica*** Distant, 1921

Family PSYLLIDAE

Genus ***Cacopsylla*** Ossiannilsson, 1970

4. ***Cacopsylla bidens*** (Šulc, 1907)

The species *Cacopsylla bidens* earlier known from France, Armenia, Bulgaria, Estonia, Greece, Iran, Israel, Italy, Jordan, Kazakhstan, Kyrgyzstan, Latvia, Lebanon, Moldova, Uruguay, Mongolia, Romania, Slovakia, Slovenia, Turkmenistan, Ukraine and Uzbekistan, Argentina and Chile; has been recorded for the first time from India based on a collection made from Jammu and Kashmir, Srinagar, Central Institute of Temperate Horticulture [33.59N° and 74.50E°]. The specimen has been deposited in CITH. It has been published by Shahid Ali Akbar, Mudasir Ahmad Dar, G. Mahendiran and Aijaz Ahmad Wachkoo, in the journal: *Oriental Insects*, DOI:10.1080/00305316.2017.1378598.

***Cacopsylla bidens*** (Šulc, 1907)

## NINE NEW RECORDS OF HYMENOPTERA

Family BRACONIDAE

Genus ***Trigastrotheca*** Cameron 1906

1. ***Trigastrotheca tridentata*** Enderlein, 1920

The species *Trigastrotheca tridentata* earlier known from Indonesia-Sumatra has been recorded for the first time from India based on a collection made from Karnataka, Kadanur (12.3056749´N and 75.7545255´E). The specimen has been deposited at the Polish Academy of Science, Warsaw, Poland. It has been published by A.P. Ranjith, in the journal: *Zootaxa,* **4242**(1): 095-110.

***Trigastrotheca tridentata*** (Enderlein 1920)

Family ENCYRTIDAE

Genus ***Caenohomalopoda*** Tachikawa, 1979

2. ***Caenohomalopoda chinensis*** Zhang and Huang, 2006

The species *Caenohomalopoda chinensis* earlier known from China, has been recorded for the first time from India based on a collection made from Uttarakhand: Dehradun. The specimen has been deposited in the National Forest Insect collection, Forest Research Institute, Dehradun. It has been published by Rashmi Nautiyal and Sudhir Singh, in the journal: *Indian Forester,* **143**(2): 120-127.

Genus ***Rhytidothorax*** Ashmead, 1900

3. ***Rhytidothorax aeriscutellum*** (Girault, 1915)

The species *Rhytidothorax aeriscutellum* earlier known from Queensland in Australia, has been recorded for the first time from India based on a collection made from Uttarakhand: Dehradun. The specimen has been deposited in the National Forest Insect collection, Forest Research Institute, Dehradun. It has been published by Rashmi Nautiyal and Sudhir Singh, in the journal: *Indian Forester,* **143**(2): 120-127.

Family MYMARIDAE

Genus ***Dicopomorpha*** Ogloblin, 1955

4. ***Dicopomorpha zebra*** Huber, 2009

The species *Dicopomorpha zebra* earlier known from Gabon, Ivory Coast, and Nigeria, has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, South Andaman, Port Blair. The voucher specimens have been deposited at ICAR-NBAIR. It has been published by A. Rameshkumar, Prashanth Mohanraj and K Veenakumari, in the journal: *Journal of Entomology and Zoology Studies,* **5**(4): 228-232.

Family ORMYRIDAE

Genus ***Ormyrus*** Westwood, 1832

5. ***Ormyrus longicaudus*** Narendran, 1999

The species *Ormyrus longicaudus* earlier known from Malaysia has been recorded for the first time from India based on a collection made from Karnataka, Mysore. The specimen has been deposited in NZC, ZSIK. It has been published by Sarfrazul Islam Kazmi, S. Sheela, A. Rameshkumar and PC Mazumdar, in the journal: *Journal of Entomology and Zoology Studies,* **5**(4): 223-227.

***Ormyrus longicaudus*** Narendran, 1999

6. ***Ormyrus secus*** Narendran, 1999

The species *Ormyrus secus* earlier known from Philippines, has been recorded for the first time from India based on a collection made from Maharashtra, Kholapur. The specimen has been deposited in NZC, ZSIK. It has been published by Sarfrazul Islam Kazmi, S. Sheela, A. Rameshkumar and P.C. Mazumdar, in the journal: *Journal of Entomology and Zoology Studies,* **5**(4): 223-227.

***Ormyrus secus*** Narendran, 1999

Family VESPIDAE

Genus ***Ectopioglossa*** Perkins, 1912

7. ***Ectopioglossa sublaevis*** (Smith, 1857)

The species *Ectopioglossa sublaevis* earlier known from Malaysia: Sarawak; Indonesia: Sumatra; Java; and Kalimantan, Philippines, has been recorded for the first time from India based on a collection made from Assam, Tinsukia district, Margherita. The specimen has been deposited in NZC, ZSIK. It has been published by P. Girish Kumar and P.M. Sureshan in the journal: *Records of Zoological Survey of India,* **116**(4): 489-492.

***Ectopioglossa sublaevis*** (Smith, 1857)

Genus ***Eumenes*** Latrielle, 1802

8. ***Eumenes pomiformis*** (Fabricius, 1781)

The species *Eumenes pomiformis* earlier known from France; Spain; Italy; Switzerland; Germany; Austria; Czech Republic; Croatia; Serbia; Albania; Bulgaria; Greece; Malta; Belarus; Ukraine: Crimea; Kyrgyzstan; Tajikistan; Uzbekistan; Southern European Russia; China; Turkey; Lebanon; United Arab Emirates; and Tunisia; Morocco; has been recorded for the first time from India based on a collection made from Jammu & Kashmir, Ladakh, Kargil. The specimen has been deposited in NZC, ZSI-WGRC. It has been published by P. Girish Kumar, James M. Carpenter, Leopoldo Castro, Pavittu M. Sureshan, in the journal: *Zootaxa,* **4317**(3): 469-498.

***Eumenes pomiformis*** (Fabricius, 1781)

Genus ***Pseudepipona*** de Saussure, 1856

9. ***Pseudepipona (Pseudepipona) vicina*** Gusenleitner, 1973

The species *Pseudepipona (Pseudepipona) vicina* earlier from Nangarhar Province in North-Eastern Afghanistan, has been recorded for the first time from India: Jammu & Kashmir, Kargil district, Dras, Leh district and Nyoma; Himachal Pradesh: Lahaul Spiti district, Losar. The specimens have been deposited in NZC, ZSI-WGRC. It has been published by P. Girish Kumar, James M. Carpenter, Leopoldo Castro, Pavittu M. Sureshan,

in the journal: *Boletín de la Asociación Española de Entomología,* **41**(3-4): 347-354.

***Pseudepipona (Pseudepipona) vicina*** Gusenleitner, 1973

## NINE NEW RECORDS OF LEPIDOPTERA

Family EREBIDAE

Genus ***Diomea*** Walker, 1858

1. ***Diomea fasciata*** (Leech, 1900)

The species *Diomea fasciata* earlier known from Thailand and China; has been recorded for the first time from India based on a collection made from Mizoram, Saitual (23.68963ºN and 92.95567ºE). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

Genus ***Ischyja*** Hübner, 1823

2. ***Ischyja hagenii*** (Snellen, 1885)

The species *Ischyja hagenii* earlier known from Thailand, Peninsular Malaysia, Indonesia (Sumatra, Borneo, Java, Lombok); has been recorded for the first time from India based on a collection made from Mizoram, Mamit (23.92916667´N and 92.49055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

***Ischyja hagenii*** (Snellen, 1885)

Genus ***Ophisma*** Guenée, 1852

3. ***Ophisma pallescens*** (Walker, [1863] 1864)

The species *Ophisma pallescens* earlier known from Thailand, Peninsular Malaysia, Indonesia (Sumatra, Borneo, Sulawesi, Seram) and New Guinea; has been recorded for the first time from India based on a collection made from Mizoram, Mamit (23.92916667´ N and 92.49055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

***Ophisma pallescens*** (Walker, [1863] 1864)

Genus ***Platyja*** Hübner, 1823

4. ***Platyja acerces*** (Prout, 1928)

The species *Platyja acerces* earlier known from Taiwan, Peninsular Malaysia, Indonesia (Sumatra, Borneo, Java); has been recorded for the first time from India based on a collection made from Arunachal Pradesh, Hunli (28.32166667´N and 95.97055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

Genus ***Serrodes*** Guenée, 1852

5. ***Serrodes caesia*** Warren, 1915

The species *Serrodes caesia* earlier known from Indonesia (Java, Borneo, Sumatra, Sulawesi), New Guinea, Thailand; has been recorded for the first time from India based on a collection made from Mizoram, Mamit (23.92916667´N and 92.49055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

***Serrodes caesia*** Warren, 1915

Genus ***Simplicia*** Guenée, 1852

6. ***Simplicia bimarginata*** (Walker, [1863], 1864)

The species *Simplicia bimarginata* earlier known from Thailand, Malaysia, Sri Lanka, Indonesia, New Guinea, Philippines, Taiwan; has been recorded for the first time from India based on a collection made from Mizoram, Hrangchalkwan (22.86083333´N and 92.80416667´E) and, Mizoram, Thingsul (23.706604´N and 92.866734´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

***Simplicia bimarginata*** (Walker, [1863], 1864)

Genus ***Tamba*** Walker, 1869

7. ***Tamba delicata*** Prout, 1932

The species *Tamba delicata* earlier known from Taiwan, Peninsular Malaysia, Indonesia (Sumatra, Borneo, Java); has been recorded for the first time from India based on a collection made from Arunachal Pradesh, Hunli (28.32166667´N and 95.97055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

Genus ***Tiruvaca*** Swinhoe, 1901

8. ***Tiruvaca hollowayi*** Kobes, 1988

The species *Tiruvaca hollowayi* earlier known from Indonesia (Sumatra, Borneo); has been recorded for the first time from India based on a collection made from Arunachal Pradesh, Hunli (28.32166667´N and 95.97055556´E). The voucher specimens have been deposited in PUP/ZOO. It has been published by Jagbir Singh Kirti, Navneet Singh and Harkanwal Singh in the journal: *Journal of Threatened Taxa,* **9**(7): 10480-10486.

Family NYMPHALIDAE

Genus ***Limenitis*** Fabricius, 1807

9. ***Limenitis rileyi*** Tytler, 1940

The species *Limenitis rileyi* earlier known from South Eastern Tibet and North Eastern Myanmar; has been recorded for the first time from India based on a collection made from Arunachal Pradesh, Upper Dibang Valley District, near Anini. It has been published by Purnendu Roy, in the journal: *Journal of Threatened Taxa,* **9**(1): 9774-9776.

## TWO NEW RECORDS OF ODONATA

Family GOMPHIDAE

Genus ***Burmagomphus*** Williamson, 1907

1. ***Burmagomphus divaricatus*** Lieftinck, 1964

The species *Burmagomphus divaricatus* earlier known from Malay Peninsula (Peninsular Malaysia), China (Yunnan), Cambodia, Lao PDR, Singapore and Thailand; has been recorded for the first time from India based on a collection made from Manipur, Senapati District, Vakho (25.292962´N and 94.037285´E). The specimen has been deposited in NCBS. It has been published by S. Joshi, P. Koparde, P. Dawn, P. Roy and K. Kunte, in the journal: *Journal of Threatened Taxa,* **9**(7): 10433-10444.

***Burmagomphus divaricatus*** Lieftinck, 1964

Family LIBELLULIDAE

Genus ***Pseudothemis*** Kirby, 1889

2. ***Pseudothemis zonata*** (Burmeister, 1839)

The species *Pseudothemis zonata* earlier known from China, Korea, Hong Kong, Japan, Taiwan, Thailand and Vietnam; has been recorded for the first time from India based on a collection made from Nagaland, Dimapur District, Diphupar (25.853480′N and 93.753563′E). The specimen has been deposited in NCBS. It has been published by S. Joshi, P. Koparde, P. Dawn, P. Roy and K. Kunte, in the journal: *Journal of Threatened Taxa,* **9**(7): 10433-10444.

***Pseudothemis zonata*** (Burmeister, 1839)

## SIX NEW RECORDS OF TRICHOPTERA

Family HYDROPSYCHIDAE

Genus ***Hydropsyche*** Pictet, 1834

1. ***Hydropsyche athamas*** Malicky & Chantaramongkol, 2000

The species *Hydropsyche athamas* earlier known from Pakistan has been recorded for the first time from India based on a collection made from Himachal Pradesh (Saho). The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

2. ***Hydropsyche augeias*** Malicky & Chantaramongkol, 2000

The species *Hydropsyche augeias* earlier known from Thailand has been recorded for the first time from India based on a collection made from Uttarakhand, Karanparyag. The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

3. ***Hydropsyche camillus*** Malicky & Chantaramongkol, 2000

The species *Hydropsyche camillus* earlier known from Vietnam has been recorded for the first time from India based on a collection made from Sikkim (Singhik), Himachal Pradesh (Saho). The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

4. ***Hydropsyche harpagofalcata*** Mey, 1995

The species *Hydropsyche harpagofalcata* earlier known from Vietnam, Thailand has been recorded for the first time from India based on a collection made from Uttarakhand, Karanparyag. The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

5. ***Hydropsyche homunculus*** Schmid, 1965

The species *Hydropsyche homunculus* earlier known from China has been recorded for the first time from India based on a collection made from Uttarakhand, Burnighat. The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

6. ***Hydropsyche quadrata*** (Li & Dudgeon), 1990

The species *Hydropsyche quadrata* earlier known from China has been recorded for the first time from India based on a collection made from Sikkim, Sangkalang. The specimen has been deposited in NZC, ZSIK. It has been published by Manpreet Singh Pandher, Simarjit Kaur, Sajad Hussain Parey and Malkiat Singh Saini, in the journal: *Zootaxa,* **4365**(3): 331.

## TWO NEW RECORDS OF THYSANOPTERA

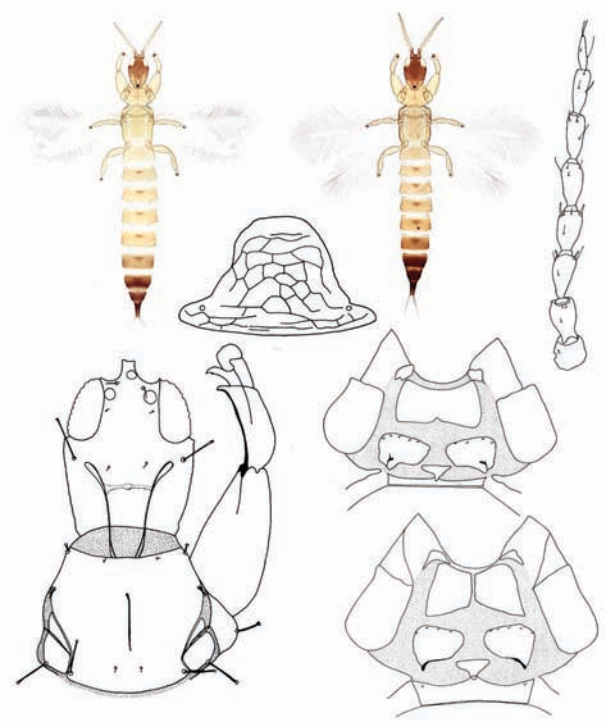
SubOrder TUBULIFERA

Family PHLAEOTHRIPIDAE

Genus ***Podothrips*** Hood, 1913

1. ***Podothrips erami*** Minaei, 2015

The species *Podothrips erami* earlier known from Fars province of Southern Iran, has been recorded for the first time from India based on a collection made from Rajasthan, Jaipur; and Sawai Madhopur, Ranthambore National Park. The specimen has been deposited in NZC, ZSIK. It has been published by Devkant Singha, Kaomud Tyagi and Vikas Kumar, in the journal: *HALTERES*, **8**: 30-32.



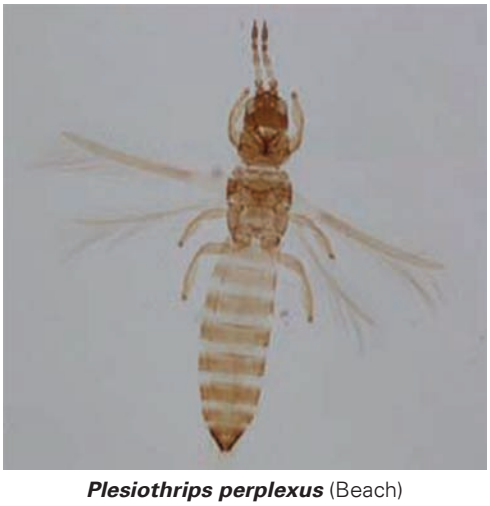
***Podothrips erami*** Minaei 2015

Family THRIPIDAE

Genus ***Plesiothrips*** Hood, 1915

2. ***Plesiothrips perplexus*** (Beach)

The species *Plesiothrips perplexus* earlier known from Taiwan, USA, Porto Rico, Cuba, Fiji, Australia, Hawaii and Solomon islands; has been recorded for the first time from India based on a collection made from Tripura, Agartala (23.76′28′′N, 91. 26′33′′E). The specimen has been deposited in ICAR-NBAIR. It has been published by RR Rachana in the journal: *Journal of Entomology and Zoology Studies 2017*; **5**(3): 428-429.



***Plesiothrips perplexus*** (Beach)

## SIXTEEN NEW RECORDS OF MOLLUSCA

Order ANOMALODESMATA

Family THRACIIDAE

Genus ***Thracia*** Sowerby, 1823

1. ***Thracia adenensis*** Melvill, 1898

The species *Thracia adenensis* earlier known from Red Sea, Gulf of Aden, Arab East, Bahrain; has been recorded for the first time from India based on a collection made from Nizampatnam Bay (15.28′N to 15.48′N and 80.17′E to 80.47′E), Bay of Bengal, East Coast of India. The specimen has been deposited in the Museum of Zoology Department, Andhra University, Visakhapatnam. It has been published by Srinivasa Rao M, C. Annapurna and Ch. Vijaya Bhanu; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(03): 624-628.

Order CEPHALASPSIDEA

Family COLPODASPIDIDAE

Genus ***Colpodaspis*** M. Sars, 1870

2. ***Colpodaspis thompsoni*** G.H. Brown, 1979

The species *Colpodaspis thompsoni* earlier known from Red Sea, Japan, Réunion, Queensland, Christmas Island, Fiji, Guam, Hawaii Islands, Tanzania, Madagascar and Mozambique; has been recorded for the first time from India based on a collection made from Kavaratti Island, Lakshadweep. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Threatened Taxa,* **9**(12): 11045-11053.

***Colpodaspis thompsoni*** G.H. Brown, 1979

Family HAMINOEIDAE

Genus ***Atys*** Montfort, 1810

3. ***Atys semistriata*** Pease, 1860

The species *Atys semistriata* earlier known from

Madagascar, Indonesia, Malaysia, Japan, Philippines, Papua New Guinea, New Caledonia, Guam, Tahiti, Hawaii, North Tutuila Island, and Samoa; has been recorded for the first time from India based on a collection made from Kadmat, Kavarati, Agati, and Minicoy islands, Lakshadweep. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Threatened Taxa,* **9**(12): 11045-11053.


***Atys semistriata*** Pease, 1860

Clade HETEROBRANCHIA

Family DISCODORIDIDAE

Genus ***Halgerda*** Bergh, 1880

4. ***Halgerda formosa*** Bergh, 1880

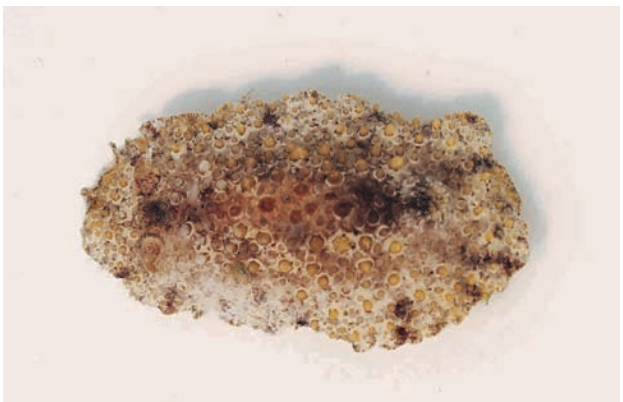
The species *Halgerda formosa* earlier known from South Africa, Comoro Islands, Tanzania, Mauritius, Reunion Islands, Western Australia and Thailand; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands: Neil Island, South Andaman, (11°50.002'N and 093°00.889'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Halgerda formosa*** Bergh, 1880

Genus ***Hoplodoris*** Bergh, 1880

5. ***Hoplodoris bifurcata*** (Baba, 1993)

The species *Hoplodoris bifurcata* earlier known from Japan, Okinawa, Philippines, Hawaii, Western and Central Pacific Oceans; has been recorded for the first time from India based on a collection made from Kerala, Trivandrum district, Kovalam. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Marine Biological Association of India,* **59**(1): 49-58.



***Hoplodoris bifurcata*** (Baba, 1993)

6. ***Hoplodoris flammea*** Fahey and Gosliner, 2003

The species *Hoplodoris flammea* earlier known from Japan, Okinawa, Philippines, Hawaii, Western and Central Pacific Oceans; has been recorded for the first time from India based on a collection made from Kerala, Trivandrum district, Vizhinjam. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Marine Biological Association of India,* **59** (1): 49-58.

***Hoplodoris flammea*** Fahey and Gosliner, 2003

Order NUDIBRANCHIA

Family CHROMODORIDIDAE

Genus ***Ceratosoma*** A. Adams & Reeve, 1850

7. ***Ceratosoma tenue*** Abraham, 1876

The species *Ceratosoma tenue* earlier known from Australia, Malaysia, Japan, South Africa, Mozambique, Tanzania, Indonesia, Papua New Guinea, New Caledonia, Hawaii and Korea; has been recorded for the first time from India based on a collection made from Andaman & Nicobar Islands, Little Andaman, Hut Bay (10°37.789'N and 92°33.873'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Ceratosoma tenue*** Abraham, 1876

Genus ***Goniobranchus*** Pease, 1866

8. ***Goniobranchus rufomaculatus*** (Pease, 1871)

The species *Goniobranchus rufomaculatus* earlier known from Tahiti, Australia, Japan and Philippines; has been recorded for the first time from India based on a collection made from Kavaratti Island, Lakshadweep. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Threatened Taxa,* **9**(12): 11045-11053.

***Goniobranchus rufomaculatus*** (Pease, 1871)

Genus ***Miamira*** Bergh, 1874

9. ***Miamira magnifica*** Eliot, 1910

The species *Miamira magnifica* earlier known from Australia, Indonesia, Papua New Guinea, Malaysia, the Philippines and Marshall Islands; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Little Andaman, Hut Bay (10°37.789'N and 92°33.873'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Miamira magnifica*** Eliot, 1910

Family DENDRODORDIDAE

Genus ***Dendrodoris*** Ehrenberg, 1831

10. ***Dendrodoris elongata*** Baba, 1936

The species *Dendrodoris elongata* earlier known from Philippines, Australia, Japan, Fiji, Papua New Guinea, New Caledonia, Hawaii and Pacific coast of North

America; has been recorded for the first time from India based on a collection made from Andaman & Nicobar Islands, Kamorta Island, Nicobar, (13°00.038'N and 92°59.216'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Dendrodoris elongata*** Baba, 1936

11. ***Dendrodoris guttata*** (Odhner, 1917)

The species *Dendrodoris guttata* earlier known from Philippines, Australia, Japan and Indonesia; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands: North Andaman, Oliver Island, (13°00.038'N and 92°59.216'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Dendrodoris guttata*** (Odhner, 1917)

Family LOMANOTIDAE

Genus ***Lomanotus*** Vérany, 1844

12. ***Lomanotus vermiformes*** Eliot, 1908

The species *Lomanotus vermiformes* earlier known from Red Sea, Indonesia, Papua New Guinea, Thailand and Philippines; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, North Bay, South Andaman (07°12.442'N and 93°46.324'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Lomanotus vermiformes*** Eliot, 1908

Family: PHYLLIDIIDAE

Genus ***Phyllidia*** Cuvier, 1797

13. ***Phyllidia exquisita*** Brunckhorst, 1993

The species *Phyllidia exquisita* earlier known from Australia, Malaysia, Japan, Indonesia, Papua New Guinea, Marshall Islands, Thailand and Palau; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Afra Bay, Great Nicobar Island, (07°12.442'N and 93°46.324'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Phyllidia exquisita*** Brunckhorst, 1993

Family TRINCHESIIDAE

Genus ***Phestilla*** Bergh, 1874

14. ***Phestilla melanobrachia*** Bergh, 1874

The species *Phestilla melanobrachia* earlier known from Queensland, Red Sea, Maldives, Thailand; has been recorded for the first time from India based on a collection made from Lakshadweep, Kavaratti Island. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar in the journal: *Journal of Threatened Taxa,* **9**(12): 11045-11053.

Order SACOGLOSSA

Family COSTASIELLIDAE

Genus ***Costasiella*** Pruvot-Fol, 1951

15. ***Costasiella usagi*** Ichikawa, 1993

The species *Costasiella usagi* earlier known from Australia, Malaysia, Papua New Guinea, Philippines and Japan; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands: Neil Island, South Andaman (11°50.792'N and 093°03.697'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Sudhanshu Dixit, C. Raghunathan and Kailash Chandra in the journal: *Proceedings of the International Academy of Ecology and Environmental Sciences*, **7**(3): 47-54.

***Costasiella usagi*** Ichikawa, 1993

Order SACOGLOSSA

Family VOLVATELLIDAE

Genus ***Volvatella*** Pease, 1860

16. ***Volvatella ventricosa*** Jensen & Wells, 1990

The species *Volvatella ventricosa* earlier known from Australia and Singapore; has been recorded for the first time from India based on a collection made from Chetlat Island, Lakshadweep. The specimen has been deposited in DABFUK. It has been published by B.K. Sneha Chandran, R. Ravinesh and A. Biju Kumar, in the journal: *Journal of Threatened Taxa,* **9**(12): 11045-11053.

***Volvatella ventricosa*** Jensen & Wells, 1990

## ONE NEW RECORD OF ECHINODERMATA

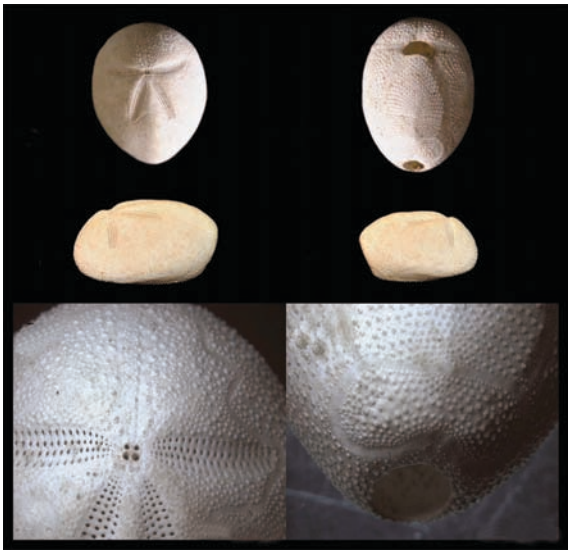
Order SPATANGOIDA

Family BRISSIDAE

Genus ***Brissus*** Gray, 1825

1. ***Brissus latecarinatus*** (Leske, 1778)

The species *Brissus latecarinatus* earlier known from West Indian Ocean, Mascarence Island, East Africa and Madagascar: Maldives, Ceylon, East Indies, North Australia, Philippine Island, China, Japan, South Pacific Island, Red Sea, Kenya, Aldabra, Northwestern Australia, East coast of Africa to Hawaiian Islands, Hawaii Islands, Easter Island, Gulf of Thailand and Mexico; has been recorded for the first time from India based on a collection made from South Andaman, Neil Island, Casurina Bay (13.14.262'N and 93.00.855'E), Sunset Point (11.50.470'N and 93.01.159'E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Naveen Kumar Nigam and C. Raghunathan in the journal: *Biodiversity Journal,* **8**(1): 15-18.



***Brissus latecarinatus*** (Leske, 1778)

## TEN NEW RECORDS OF UROCHORDATA

Class ASCIDIACEA

Order APLOUSOBRANCHIA

Family CLAVELINIDAE

Genus ***Clavelina*** Savigny, 1816

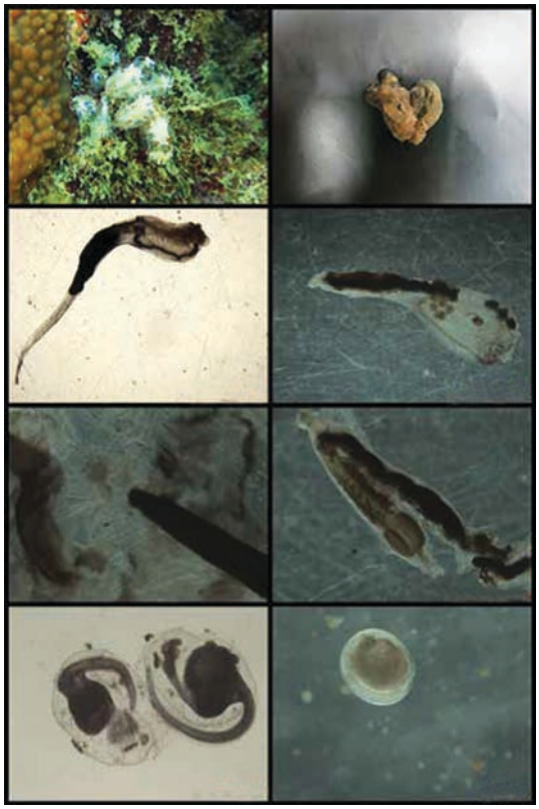
1. ***Clavelina australis*** (Herdman, 1899)

The species *Clavelina australis* earlier known from Australia (Victoria, New South Wales, Queensland); has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Nicobar, Nancowry Island (07°59.465′N and 93°30.210′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan, Tamal Mondal and Kailash Chandra; in the journal: *Journal of Marine Biological Association,* **59**(1): 82-86.

***Clavelina australis*** (Herdman, 1899)

2. ***Clavelina fecunda*** (Sluiter, 1904)

The species *Clavelina fecunda* earlier known from Australia, Philippines, Northern Territory, New Caledonia, Indonesia and Palau Island; has been recorded for the first time from India based on a collection made from Andaman & Nicobar Islands, South Andaman, Little Andaman Island, Pathar Nallah (10°53.200′N and 92°32.009′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan, Tamal Mondal and Kailash Chandra; in the journal: *Journal of Marine Biological Association,* **59**(1): 82-86.



***Clavelina fecunda*** (Sluiter, 1904)

3. ***Clavelina robusta*** Kott, 1990

The species *Clavelina robusta* earlier known from Australia, Indonesia, Japan, Palau Islands, Philippines and Solomon Islands; has been recorded for the first time from India based on a collection made from Andaman & Nicobar Islands, Sound Island (12°58.926′N and 92° 57.211′E) of Middle Andaman and also from the Rutland Island (11°30.119′N and 92° 37.112′E) and Pongibalu (11°30.956′N and 92° 30.206′E) of South Andaman, and Oliver Island (13° 00.038′N and 92° 59.216′E) of Middle Andaman. The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan and K. Venkataraman; in the journal: *Journal of Threatened Taxa,* **9**(2): 9874-9880.

***Clavelina robusta*** Kott, 1990

Family DIAZONIDAE

Genus ***Rhopalaea*** Philippi, 1843

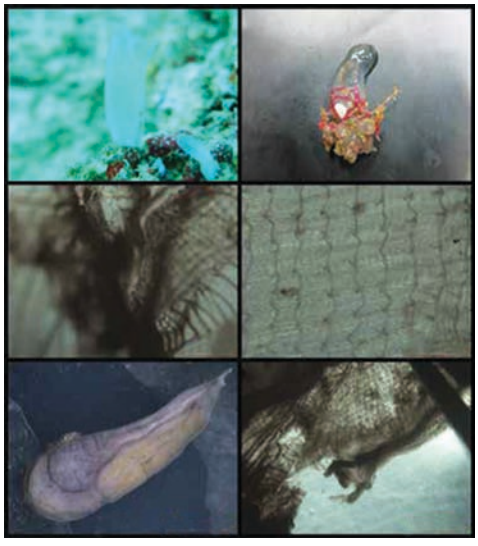
4. ***Rhopalaea circula*** Monniot and Monniot, 2001

The species *Rhopalaea circula* earlier known from Federated States of Micronesia, Palau, Papua New Guinea and Mariana Islands; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Nicobar, Trinket Island (07°59.842′N and 93°30.569′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan, Tamal Mondal and Kailash Chandra; in the journal: *Journal of Marine Biological Association,* **59**(1): 82-86.

***Rhopalaea circula*** Monniot and Monniot, 2001

5. ***Rhopalaea fusca*** (Herdman, 1880)

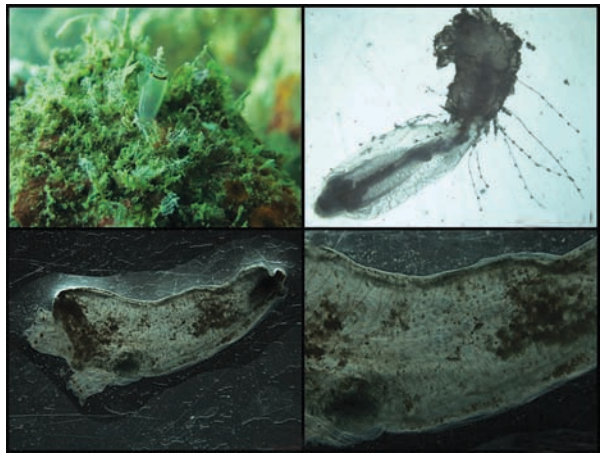
The species *Rhopalaea fusca* earlier known from Banda Sea, Indonesia and Philippines; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Nicobar, Nancowry Island (07°59.465′N and 93°30.210′E). The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan, Tamal Mondal and Kailash Chandra; in the journal: *Journal of Marine Biological Association,* **59**(1): 82-86.



***Rhopalaea fusca*** (Herdman, 1880)

6. ***Rhopalaea macrothorax*** (Herdman, 1880)

The species *Rhopalaea macrothorax* earlier known from Japan, Indonesia, Malaysia, Australia and Hong Kong; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, South Andaman, Pongibalu Jetty (11° 30.956′N and 92° 39.206′E) and from the Peacock Island (13° 33.692′N and 93° 03.119′E) of North Andaman and Riflemen Island (11° 30.837′N and 92° 38.767′E) of South Andaman. The specimen has been deposited in NZC, ZSI-ANRC. It has been published by Jhimli Mondal, C. Raghunathan and K. Venkataraman; in the journal: *Journal of Threatened Taxa,* **9**(2): 9874–9880.



***Rhopalaea macrothorax*** (Herdman, 1880)

Family DIDEMNIDAE

Genus ***Didemnum*** Savigny, 1816

7. ***Didemnum molle*** Herdman, 1886

The species *Didemnum molle* earlier known from Northern Territory, Western Australia, Queensland, Martha Ridgeway Reef, Western Pacific, Indonesia, Guam, Fiji, Vietnam and Maldives; has been recorded for the first time from India based on a collection made from Bquary (7°-01° N and 93°-95°E) and Afrabay (7°-09°N and 93°-89°E) subtidal coral reef at about 8m in depth. The specimen has been deposited in NBRM and AMD. It has been published by Chinnathambi Stalin, Gnanakkan Ananthan and C. Raghunathan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(11): 2393-2398.

Genus ***Diplosoma*** Macdonald, 1859

8. ***Diplosoma simile*** Sluiter, 1909

The species *Diplosoma simile* earlier known from Western Australia, Queensland, Western Pacific, Philippines, Central Pacific, Indonesia, Singapore and

Japan; has been recorded for the first time from India based on a collection made from Bquary (7°-01° N and 93°-95°E) and Gandhinagar (6°-87° N and 93°-90°E ). The specimen has been deposited in NBRM and AMD. It has been published by Chinnathambi Stalin, Gnanakkan Ananthan and C. Raghunathan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(11): 2393-2398.

Genus ***Tridid*emnum** Della Valle, 1881

9. ***Tridid*emnum cyclops** Michaelsen, 1921

The species *Tridid*emnum *cyclops* earlier known from Western Australia, Queensland, Coral sea, Indonesia, Philippines and French Polynesia; has been recorded for the first time from India based on a collection made from Laxman Beach (7°-00°N and 93°-95°E) and Afrabay (7°-09° N and 93°-89°E). The specimen has been deposited in NBRM and AMD. It has been published by Chinnathambi Stalin, Gnanakkan Ananthan and C. Raghunathan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(11): 2393-2398.

Genus ***Lissoclinum*** Verrill, 1871

10. ***Lissoclinum patella*** Gottschaldt, 1898

The species *Lissoclinum patella* earlier known from Western Australia, Queensland, Coral sea, Indonesia, Philippines and French Polynesia; has been recorded for the first time from India based on a collection made from Campbell Bay (7°-002°N & 93°-91°E) and Gandhi Nagar (6°-87° N and 93°-90°E). The specimen has been deposited in NBRM and AMD. It has been published by Chinnathambi Stalin, Gnanakkan Ananthan and C. Raghunathan; in the journal: *Indian Journal of Geo Marine Sciences,* **46**(11): 2393-2398.

## THIRTEEN NEW RECORD OF PISCES

Order LAMPRIFORMES

Family TRACHIPTERIDAE

Genus ***Zu*** Walters & Fitch, 1960

1. ***Zu elongatus*** Heemstra & Kannemeyer, 1984

The species *Zu elongatus* earlier known from Namibia, Western Cape coast – South Africa, New Zealand; has been recorded for the first time from India based on a collection made from Andaman and Nicobar waters of Indian Exclusive Economic Zone (EEZ). The single specimen was caught by the tuna longliner MFV BLUE MARLIN at (10º48´6´´N and 92º44´08´´E). The specimen has been deposited in FSI. It was published by Shirke *et al.*, in the journal: *Fish Taxa,* **2**(1): 43-47.

***Zu elongatus*** Heemstra & Kannemeyer, 1984

Order PERCIFORMES

Family ACANTHURIDAE

Genus ***Naso*** Lacépéde, 1801

2. ***Naso thynnoides*** (Cuvier, 1829)

The species *Naso thynnoides* earlier known from East coast of Africa, Japan, Solomon Islands and Caroline Islands; has been recorded for the first time from India based on a collection made from Tuticorin fisheries jetty, Gulf of Mannar. The specimen has been deposited in CMFRI. It has been published by V.P. Padate, C.U. Rivonker, A.C. Anil, S.S. Sawant and K. Venkat, in the journal: *Acta Ichthyologica Et Piscatoria,* **47**(2): 145-161.

Family CHANNIDAE

Genus ***Channa*** Scopoli, 1777

3. ***Channa ornatipinnis*** Britz 2008

The species *Channa ornatipinnis* earlier known from Waloun Chaung in Rakhine State, Myanmar; has been recorded for the first time from India based on a collection made from Mizoram, Champhai district, Tuivawl village, Tuivawl River. The voucher specimens have been deposited in MSUMNH. It has been published by Sivaramapillai Muthukumar, Muthukumarasamy Arunachalam, Uthandakalaipandiyan Ramesh, Murugiah Umamaheswari and Alagappan Vanarajan, in the journal: *International Journal of Aquatic Biology,* **5**(1): 29-32.

***Channa ornatipinnis*** Britz 2007

Family GOBIIDAE

Genus ***Redigobius*** Herre, 1927

4. ***Redigobius oyensi*** de Beaufort, 1913

The species *Redigobius oyensi* earlier known from Ceram-Indonesia, Philippines, Micronesia (Palau), Mebulibuli River, Fergusson Island, D'Entrecasteaux Island Group, New Guinea; has been recorded for the first time from India based on a collection made from Andaman and Nicobar Islands, Car Nicobar Island. It has been published by J. Praveenraj, R. Kiruba-Sankar, Lohith

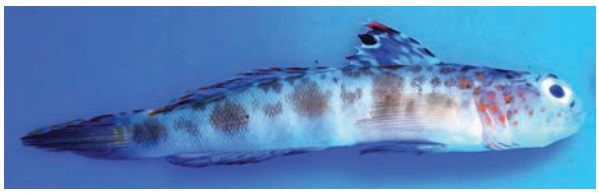
Kumar, J. Raymond Jani Angel and S. Dam Roy, in the journal: *Journal of Threatened Taxa,* **9**(10): 10853-10855.

***Redigobius oyensi*** de Beaufort, 1913

Genus ***Tomiyamichthys*** J.L.B. Smith, 1956

5. ***Tomiyamichthys russus*** (Cantor, 1849)

The species *Tomiyamichthys russus* earlier known from South China Sea and Red Sea; has been recorded for the first time from India based on a collection made from South Andaman, Port Blair, Corbyn's Cove (11°38′40.60′′N and 92°44′52.97′′E). The specimen has been deposited in CIARI. It was published by J. Praveenraj, R. Kiruba-Sankar, Lohith Kumar, J. Raymond Jani Angel and S. Dam Roy, in the journal: *Acta Ichthyologica Et Piscatoria,* **47**(4): 407-410.



***Tomiyamichthys russus*** (Cantor, 1849)

Family LUTJANIDAE

Genus ***Lutjanus*** Bloch, 1790

6. ***Lutjanus indicus*** Allen, White and Erdmann, 2013

The species *Lutjanus indicus* earlier known from Indo-West Pacific region from the Fiji Islands to East Africa, and from Australia to Southern Japan and Indian Ocean, including Western Thailand, Myanmar, and Sri Lanka; has been recorded for the first time from India based on a collection made from Visakhapatnam coastal waters (17°44′N and 83°23′E). It has been published by Govinda Rao Velamala, Ramesh Babu Kondamudi and Muddula Krishna Naranji, in the journal: *Iranian Journal of Ichthyology,* **4**(1): 69-74.

Family POMACENTRIDAE

Genus ***Pristotis*** Rüppell, 1838

7. ***Pristotis cyanostigma*** Rüppell, 1838

The species *Pristotis cyanostigma* earlier known from Red Sea and Gulf of Aden; has been recorded for the first time from India based on a collection made from Tuticorin fisheries jetty, Gulf of Mannar. The specimen has been deposited in CMFRI. It has been published by P.V. Padate, C.U. Rivonker, A.C. Anil, S.S. Sawant and K. Venkat, in the journal: *Acta Ichthyologica Et Piscatoria,* **47**(2): 145-161.

***Pristotis cyanostigma*** Rüppell, 1838

Family TETRAODONTIDAE

Genus ***Lagocephalus*** Swainson, 1839

8. ***Lagocephalus suezensis*** Clark et Gohar, 1953

The species *Lagocephalus suezensis* earlier known from Indo-Pacific regions, Japan, Lebanon, Israel, Turkey, Syria, Greece, Cyprus, Libya and Egypt; has been recorded for the first time from India based on a collection made from Tuticorin fisheries jetty, Gulf of Mannar. The specimen has been deposited in CMFRI. It has been published by P.V. Padate, C. U. Rivonker, A. C. Anil, S. S. Sawant and K. Venkat, in the journal: *Acta Ichthyologica Et Piscatoria,* **47**(2): 145-161.

***Lagocephalus suezensis*** Clark et Gohar, 1953

Order SCORPAENIFORMES

Family PERISTEDIIDAE

Genus ***Satyrichthys*** Kaup, 1873

9. ***Satyrichthys milleri*** Kawai, 2013

The species *Satyrichthys milleri* earlier known from East China Sea, Taiwan, Philippines, Indonesia, Andaman Sea, Vanuatu and Fiji; has been recorded for the first time from India based on a collection made from Tuticorin fishing harbour (8°44′46.9′′N and 78°37′24.10′′E), Gulf of Mannar. The specimen has been deposited in CMFRI. It has been published by K. Kannan, Ajith Kumar TT, Zacharia PU and Joshi KK, in the journal: *Journal of Aquaculture and Marine Biology,* **5**(6): 00141.

Family SCORPAENIDAE

Genus ***Dendrochirus*** Swainson, 1839

10. ***Dendrochirus bellus*** (Jordan et Hubbs, 1925)

The species *Dendrochirus bellus* earlier known from New Caledonia, Northern Vietnam, China, Taiwan, Philippines, Korea and Japan; has been recorded for the first time from India based on a collection made from

Tuticorin fisheries jetty, Gulf of Mannar. The specimen has been deposited in CMFRI. It has been published by P.V. Padate, C.U. Rivonker, A.C. Anil, S.S. Sawant and K. Venkat, in the journal: *Acta Ichthyologica Et Piscatoria,* **48**(1): 79-81.

***Dendrochirus bellus*** (Jordan et Hubbs, 1925)

Order SILURIFORMES

Family SISORIDAE

Genus ***Glyptothorax*** Blyth, 1860

11. ***Glyptothorax igniculus*** Ng and Kullander, 2013

The species *Glyptothorax igniculus* earlier known from Myanmar; has been recorded for the first time from India based on a collection made from Manipur (Chindwin drainage). The specimen has been deposited in NZC, ZSIK. It has been published by Shangningam, Kosygin and Vishwanath; in the journal: *International Journal of Zoology*, **7**(5): 1-10.

***Glyptothorax igniculus*** Ng and Kullander, 2013

Order TETRAODONTIFORMES

Family MONACANTHIDAE

Genus ***Paramonacanthus*** Bleeker, 1865

12. ***Paramonacanthus pusillus*** (Ruppell, 1828)

The species *Paramonacanthus pusillus* earlier known from Indo-West Pacific regions: Red Sea to South Africa, and Northern Australia, North to Southern Japan; has been recorded for the first time from India based on a collection made from Visakhapatnam coast. It has been published by P. Padmavathi, K. Sujatha and V.A. Iswarya Deepti, in the journal: *Indian Journal of Fisheries,* **64**(Special Issue): 111-112.

Family TRIACANTHODIDAE

Genus ***Paratriacanthodes*** Fowler, 1934

13. ***Paratriacanthodes retrospinis*** Fowler, 1934

The species *Paratriacanthodes retrospinis* earlier known from Mozambique, Natal, Japan, China, New Caledonia, Chesterfield and Bellona plateaus; has been recorded for the first time from India based on a collection made from Andaman Islands, Northeastern Indian Ocean, at a depth of 290m, (12°05'N and 92°12'E). The specimen has been deposited in CMFRI. It has been published by S.Mullasseri, A. Korath, V. Vidyan, R. Fricke, A. Suresh and A. Chandran, in the journal: *Fish Taxa,* **2**(2): 76-81.

***Paratriacanthodes retrospinis*** Fowler, 1934

## ONE NEW RECORD OF AMPHIBIA

Order ANURA

Family DICROGLOSSIDAE

Genus ***Fejervarya*** Bolkay, 1915

1. ***Fejervarya asmati*** Howlader, 2011

The species *Fejervarya asmati* (Bangladeshi Cricket Frog) earlier known from Hathazari, Dhaka and Nazipur in Bangladesh; has been recorded for the first time from India based on a collection made from Mizoram, Aizawl District, Vaipuanpho (23.7080107°N and 92.708017°W) and Tlangnuam (23.703007°N and 92.714902°W). The specimen has been deposited in the Pachhunga University College Zoological Museum, Department of Zoology, Pachhunga University College, Aizawl, Mizoram. It has been published by Samuel Lalronunga, Vanramliana, C. Lalrinchhana, in the journal: *Herpetological Review* **48**(3), 2017.

***Fejervarya asmati*** Howlader, 2011

## ABBREVIATIONS OF ZOOLOGICAL MUSEUMS USED

**AAWC** = Aijaz A. Wachkoo's Collections at the Government Degree College, Shopian, Jammu and Kashmir, India.

**ACESSD** = Advanced Centre of Environmental Studies and Sustainable Development Mahatma Gandhi University, Kottayam, Kerala.

**ADSH** = Division of Arachnology, Department of Zoology, Sacred Heart College, Thevara, Cochin, Kerala, India.

**AMD** = Ascidian Museum Database, Tamil Nadu, India.

**AMU** = Aligarh Muslim University, Aligarh, Uttar Pradesh, India.

**ATREE** = Ashoka Trust for Research in Ecology and the Environment, Bangalore, Karnataka, India

**BDU** = Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.

**BMNH** = British Natural History Museum, United Kingdom, London.

**BNHS** = Bombay Natural History Society, Mumbai, Maharashtra, India.

**BPBM** = Bernice P. Bishop Museum, Honolulu.

**CATE** = Centre for Animal Taxonomy and Ecology, Christ College, Irinjalakuda, Kerala.

**CEL** = Central Entomological Laboratory, Zoological Survey of India, Kolkata, India.

**CEPF** = Critical Ecosystem Partnership Fund.

**CES** = Centre for Ecological Sciences, Indian Institute of Science, Bangalore, Karnataka, India.

**CIARI** = Central Inland Agricultural Research Institute, India.

**CMA** = Collections of M. Arunachalam.

**CMFRI** = Central Marine Fisheries Research Institute, Kochi, Kerala, India.

**CMLRE** = Centre for Marine Living Resources and Ecology, Kochi, Kerala, India.

**CUSAT** = Cochin University of Science and Technology, India.

**DABFUK** = Department of Aquatic Biology & Fisheries, University of Kerala, Kerala, India.

**DOSMB** = Department of Ocean Studies and Marine Biology, Pondicherry University, Port Blair, Andaman and Nicobar Islands, India.

**DZUC** = Department of Zoology, University of Calicut, Kerala, India.

**DZHNBGU** = Department of Zoology, H.N.B. Garhwal University, Chauras Campus, Srinagar-Garhwal, Uttarakhand, India.

**EDAU** = Entomology Department, Annamalai University, Faculty of Agriculture, Chidambaram, Tamil Nadu, India.

**FGB-CIFE** = Fish Genetics and Biotechnology laboratory, ICAR-Central Institute of Fisheries Education, Mumbai, India.

**FMNH** = Field Museum of Natural History, Chicago.

**FRI** = Forest Research Institute, Dehradun, Uttarakhand, India.

**GUMF** = Gauhati University Museum of Fishes, Assam, India.

**HNHM** = Hungarian Natural History Museum, Budapest, Hungary.

**IARI** = Indian Agricultural Research Institute, New Delhi, India.

**ICAR** = Indian Council of Agricultural Research. New Delhi

**IPUM** = Indraprastha University Museum, New Delhi, India.

**ISI** = Indian Statistical Institute, Kolkata.

**MBRM** = Marine Biology Reference Museum, India.

**MCZ** = Museum of Comparative Zoology, Harvard University.

**MHNG** = Museum d'Histoire Naturelle, Geneva, Switzerland.

**MNCN** = Museo Nacional de Ciencias Naturales de Madrid, Spain.

**MNHN** = Muséum National d'Histoire Naturelle, Paris, France.

**MSUMNH** = Manonmaniam Sundaranar University, Museum of Natural History, Tamil Nadu, India.

**MUCM** = Manipur University Central Museum, Manipur, India.

**MUM** = Manipur University Museum, Manipur, India.

**MUMF** = Manipur University Museum of Fishes, Manipur, India.

**MZMU**= Departmental Museum of Zoology, Mizoram University, Aizwal, India.

**MZUNAV** = Museum of Zoology, University of Navarra, Pamplona, Spain.

**NBAIR** = National Bureau of Agricultural Insect Resources, Bangalore, Karnataka, India.

**NBFGR** = National Bureau of Fish Genetic Resources, Kochi Unit, CMFRI Campus, Kochi, Kerala, India.

**NCBS** = National Centre for Biological Sciences, Bangalore, Karnataka, India.

**NFIC-FRI** = National Forest Insect Collection, Forest Entomology Division, Forest Research Institute, Dehradun, Uttarakhand, India.

**NHMW** = Naturhistorisches Museum, Wien, Switzerland.

**NPC** = National Pusa Collection, Division of Entomology, Indian Agricultural Research Institute, New Delhi, India.

**NRCB** = National Research Centre for Banana, Trichy, India.

**NZC** = National Zoological Collections of the Zoological Survey of India, Kolkata, India.

**PCZM** = Presidency College Zoological Museum, Motbung.

**PUAC** = Punjabi University Patiala Ant Collection, Department of Zoology and Environmental Sciences, Punjabi University, Patiala, Punjab, India.

**PUCMF** = Pachhunga University College Museum of Fishes, Mizoram, India.

**PUCZM** = Zoological Museum of the Department of Zoology at Pachhunga University College, Aizawl, Mizoram, India.

**RGUMF** = Rajiv Gandhi University Museum of Fishes, Arunachal Pradesh, India.

**RKMVUE** = Department of Agricultural Biotechnology, IRDM Faculty Centre, Ramakrishna Mission Vivekananda University, West Bengal, India.

**RSIO** = Repository of the Second Institute of Oceanography, Hangzhou, China.

**RTCPPPM, SKUAST-K** = Research and Training Centre for Pollinators, Pollinizers, and Pollination Management, Sher e Kashmir University of Agriculture Sciences and Technology of Kashmir, Jammu and Kashimir, India.

**SEHU** = Systematic Entomology, Hokkaido University Museum, Hokkaido University, Sapporo, Japan.

**SIO-BIC** = Scripps Institution of Oceanography Benthic Invertebrate Collection, La Jolla, California, USA.

**SMF** = Senckenberg Museum, Frankfurt, Germany.

**SMNS** = Staatliches Museum für Naturkunde, Stuttgart, Germany.

**TNHM** = Natural History Museum, Trivandrum, Kerala, India.

**UASB** = University of Agricultural Sciences, Bangalore, Karnataka, India.

**USNM** = Museum Support Center, Smithsonian Institution National Museum of Natural History, Suitland.

**USNM** = Smithsonian Institution National Museum of Natural History, Washington, DC.

**WILD** = Wildlife Information Liaison Development Society, Coimbatore, Tamil Nadu, India.

**ZDAMU** = Department of Zoology, Aligarh Muslim University, Aligarh, Uttar Pradesh, India.

**ZFMK** = Zoologisches Forschungs museum Koenig, Bonn, Germany.

**ZIN** = Zoological Institute of the Russian Academy of Science, St. Petersburg, Russia.

**ZMA** = Zoological Museum of the University of Amsterdam.

**ZMUC** = Natural History Museum of Denmark, Zoological Museum, University of Copenhagen, Denmark.

**ZMUM** = Zoological Museum of Moscow State University, Moscow, Russia.

**ZSIK** = Zoological Survey of India, Kolkata, India.

**ZSI-ANRC** = Zoological survey of India, Andaman and Nicobar Regional Centre, Andaman and Nicobar Islands, India

**ZSI-APRC** = Zoological Survey of India, Arunachal Pradesh Regional Centre, Itanagar, India.

**ZSI-CZRC** = Zoological Survey of India, Central Zone Regional Centre, Jabalpur, Madhya Pradesh, India.

**ZSI-FBRC** = Zoological Survey of India, Freshwater Biology Regional Centre, Hyderabad, Andhra Pradesh, India.

**ZSI-MARC** = Zoological Survey of India, Marine Aquarium and Regional Centre, Digha, West Bengal, India.

**ZSI-MBRC** = Zoological Survey of India, Marine Biology Regional Centre, Chennai, Tamil Nadu, India.

**ZSI-NERC** = Zoological Survey of India, North Eastern Regional Centre, Shillong, Meghalaya, India.

**ZSI-NRC** = Zoological Survey of India, Northern Regional Centre, Dehradun, Uttarakhand, India.

**ZSI-SRC** = Zooogical Survey of India, Southern Regional Centre, Chennai, Tamil Nadu, India.

**ZSI-WGRC** = Zoological Survey of India, Western Ghats Regional Centre, Kozhikode (Calicut), Kerala, India.

**ZSI-WRC** = Zoological Survey of India, Western Regional Centre, Pune, Maharashtra, India.

# INDEX

Mangrove Ecosystem

***Pseudoceros nigropunctatus* Dixit, Raghunathan and Chandra**

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