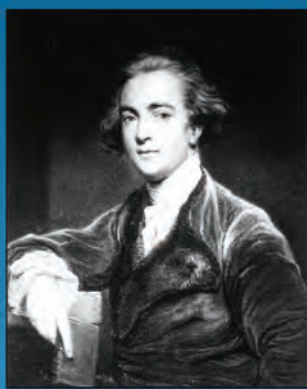


Animal Discoveries 2013

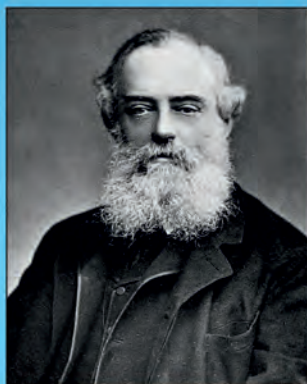
New Species and New Records



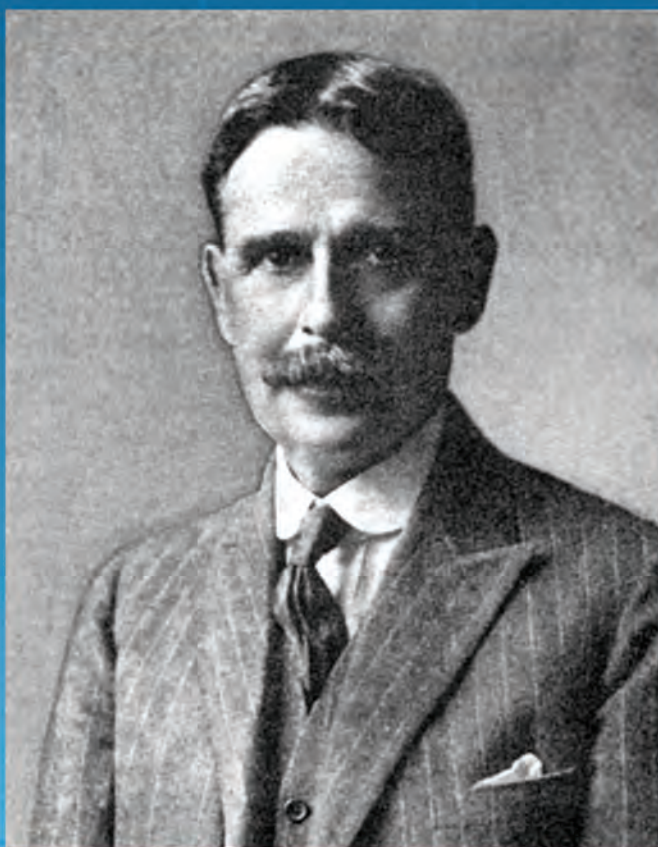
Sir William Jones



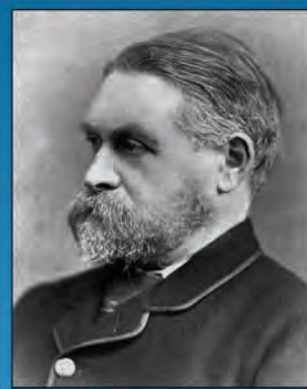
Edward Blyth



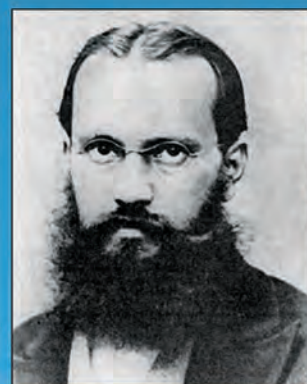
William T. Blanford



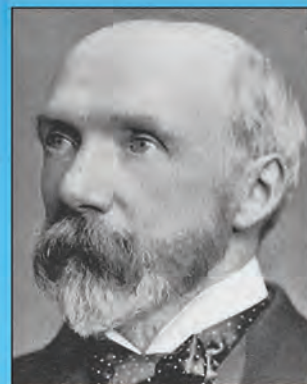
Dr. Thomas Nelson Annandale
Founder Director
Zoological Survey of India



Godwin Austen



Ferdinand Stoliczka



John Anderson

Government of India
Ministry of Environment and Forests
Zoological Survey of India

5th June, 2014

Animal Discoveries 2013

Frontispiece: The contributors of the Animal Discoveries of India.

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Compiled by

K. Venkataraman, Director

G. Maheswaran, Scientist D

Sheela S., Scientist C

P. Girish Kumar, Sr. Zool. Asstt.

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We thankfully acknowledge those authors and the journals in which these are published.

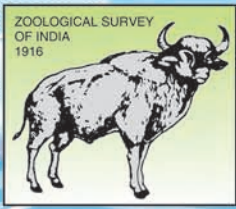
Published by

Zoological Survey of India

Ministry of Environment and Forests

M-Block, New Alipore, Kolkata - 700 053

Website : <http://www.zsi.gov.in>



Animal Discoveries 2013- A Summary

During 2013, 248 new species and 54 new records of animals discovered, described and reported from India.

248 Species of Animals new to science from India

- 1 species of Apicomplexa
- 8 species of Ciliophora
- 2 species of Cnidaria
- 2 species of Cestoda
- 6 species of Nematoda
- 2 species of Annelida
- 162 species of Insecta
- 19 species of Arachnida
- 3 species of Crustacea
- 36 species of Pisces
- 5 species of Amphibia
- 2 species of Reptilia

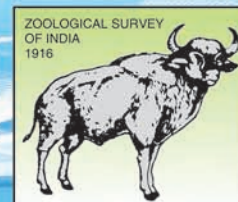
54 Species of Animals new records from India

- ❑ 8 species of Cnidaria
- ❑ 2 species of Nematoda
- ❑ 21 species of Insecta
- ❑ 1 species of Arachnida
- ❑ 1 species of Crustacea
- ❑ 9 species of Mollusca
- ❑ 11 species of Pisces
- ❑ 1 species of Aves





Animal Discoveries 2013



वी० राजगोपालन
Dr. V. RAJAGOPALAN, IAS



सचिव
भारत सरकार
पर्यावरण एवं वन मंत्रालय
Secretary
Government of India
Ministry of Environment and Forests

MESSAGE

India is endowed with rich biodiversity and the periodical discovery of new animal species by various institutions from across the country stand only as testimony to fact that India is indeed a biodiversity rich country. Right from the ages, various cultures in India treated plant and animal forms in their own ways but, many of them portrait these natural resources with pomp and esteem. However, comparatively less effort was made in the past to document the diversity of various plant and animal forms though many of such nature's creations were known to our forefathers. Proper documentation of natural wealth of our country is essential in an era where such resources are considered to be valuable for our future generations to prosper. Burgeoning human population either directly or indirectly diminished the natural habitats of many of the species in wilderness. Need of the hour is to document new forms of animal and plant lives which exist in some of the pristine ecosystems. Research institutions and universities from across the country which deal with natural history must mould their students each year to come up with new inventories of various animals groups.

The Zoological Survey of India, a premier taxonomic institution under the Ministry of Environment and Forests, is relentlessly working for almost a century now in exploring country's faunal resources. A dedicated team of scientists assisted by a score of scientific staff surveys various bio-geographical regions in India only to come up with a list of species those regions or ecosystems holds. Scientists of the ZSI have already collected more than a million specimens belonging to various group of animals right from Protozoa to Mammals. As a result of dedicated efforts of ZSI, the MOEF brings out the publication on the new discoveries made in India. I am indeed happy to know that this document highlights 248 species which are new to science being described by scientists from ZSI and other universities and colleges across the country especially during 2013. This document also highlights 54 species that have been reported for the first time from India. I congratulate the scientists of ZSI and other organisations for their commendable job towards unravelling the hidden life forms from nook and different regions of the country.

New Delhi
May 21, 2014

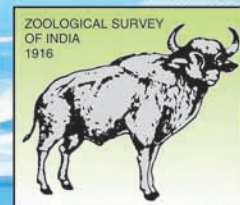
(V. Rajagopalan)



पर्यावरण भवन, सी.जी.ओ कॉम्प्लेक्स, नई दिल्ली-110 003 फोन: 24360721, 24361896 फैक्स: (011) 24362746
PARYAVARAN BHAWAN, CGO COMPLEX, NEW DELHI-110 003 Ph.: 24360721, 24361896, Fax : (011) 24362746
E-mail : vrg.iyer@nic.in, vrgiyer@gmail.com



Animal Discoveries 2013





HEM PANDE
Additional Secretary



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment and Forests

FOREWORD

Our country is bestowed with immense natural wealth. The basics of taxonomy i.e., the art of naming each and every living creature on earth, was bestowed on us as a legacy. For a Country like India with its vast natural resources that still surprise our scientists in terms of revealing its hidden life forms, it is pertinent to name every new organism that share with us the same space nature has gifted us. Many may wonder, what they will benefit out of knowing the names of life forms of many creatures in our environ. But, we should address the issue of discovering new life forms not only for the sake of our next generations to know but also to prove that we the humans are at top of the hierarchy of animal kingdom and supreme. Though at the outset, the discovery of new life forms may not be of much use but, each and every one of them play a vital role in the ecosystem with or without our knowledge. In order to understand the mutual coexistence in the eco-system, the macrocosm of earth, we need to first recognise them individually. Hence, here comes the art of taxonomy in the very first place before other aspects of science come into play any further role.

Since 1916, the Zoological Survey of India (ZSI) has dedicated itself to the nation in terms of describing various forms of animal groups which either directly or indirectly help the mankind in evolving strategies for development of medicine, industry and more upon the very progress of nation itself. Often we are interested only in the mega herbivores and carnivores as they play a visible role in our ecosystem. Seldom we notice the lesser known invertebrates (insects and mites), being less visible or less glamorous, though they play an equally important role in our daily life.

This document on new discoveries prepared by the ZSI includes information about 248 species prepared in collaboration with the scientists of ZSI and other universities and colleges across the country. ZSI also has compiled information about 54 species being reported for the first time from India. Ever since the ZSI came under the ambit of the Ministry of Environment and Forests, it continues to provide us with information on important and threatened species of fauna especially for preparation of species-specific conservation assessment reports. I congratulate the Director of ZSI and his dedicated team of scientists for their commendable job by highlighting new species and new distributional records of various fauna from across the country.

New Delhi
19 May, 2014

(HEM PANDE)

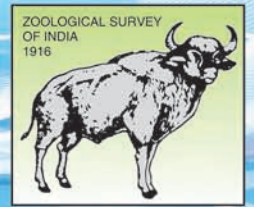


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Paryavaran Bhawan, C.G.O. Complex, New Delhi-110 003
Website : moef.nic.in





Animal Discoveries 2013





दूरभाष : निदेशक/Phone : Director
+91 33 2400 6893
टेलीफैक्स : प्रशासनिक अधिकारी
Telefax HOO : +91 33 2400 8595
E-mail : venkyzsi56@gmail.com



भारत सरकार
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Ministry of Environment and Forests



भारतीय प्राणी सर्वेक्षण
ZOOLOGICAL SURVEY OF INDIA
प्राणी विज्ञान भवन
Prani Vigyan Bhawan
एम. ब्लॉक, न्यू अलीपुर/M-Block, New Alipore,
कोलकाता/ Kolkata - 700 053



PREFACE

The Zoological Survey of India is fast approaching its centenary year of its very inception. We worked in almost all the regions across the country to fulfil the purpose for which it was established a century ago. Our scientific merit lies in what we have given back to the nation in terms of animal taxonomy by revealing to mankind the names of various organisms. People may wonder why we need to know the mere names of many tiny insects or a big animal, yet invisible to many of us as because such creatures never come out of deep sea or high peaks of mountains. Unfortunately, only a very few get to see these inaccessible and inhospitable places. Whereas, the nature has provided a different set of adaptation skills to different living organisms. In today's world of competitiveness and lack of space to adjust in this shrinking habitable place, we humans have already started exploring those inaccessible and inhospitable places to settle down sooner or later. In this process, we may come across many new life forms which we need to name them prior to start exploring the ways to adjust with them in their abode.

Being a survey department, our scientists continue to explore various places both within and outside the protected areas to document new species and find out if there is any range extension in some species. As you all know, each year the Ministry of Environment & Forests brings out a document titled 'Animal discoveries' in assistance with the ZSI. As a result of these concerted surveys, in 2013, we have compiled information about 248 new species to India and some additional information on another 54 species which have been reported for the first time from India. In 2012, we have reported 162 species of insects and 36 species of fishes. We have an appreciable increase in the number of new species being reported from India in 2013, when compared to that of 2012. This only shows the efforts taken by the researchers and scientists in ZSI and other institutions including universities towards inventorying new animal forms in India and the further scope for discovering new animal forms in mega diversity country like India.

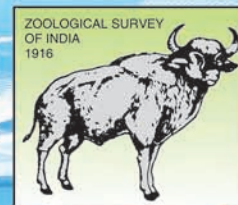
Once again, I request all the researchers working in the field of animal taxonomy to send us information about new descriptions each year so as to compile and bring out a special issue of 'Animal Discoveries' targeting our centenary celebrations. I thank all the scientists from within and outside ZSI for their contributions to towards bringing out 'Animal Discoveries' each year.

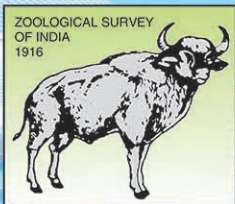
Kolkata
26 May, 2014


(K. VENKATARAMAN)



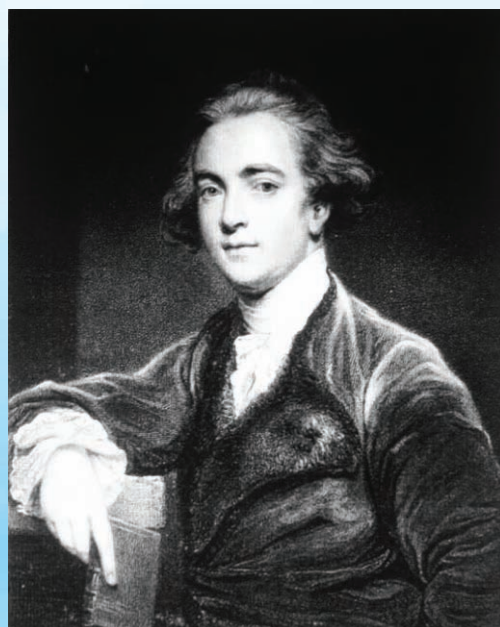
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INTRODUCTION

Faunal explorations conducted through different expeditions during British Empire paved ways for origin of ZSI and need of systematic studies in India. After the inception of Asiatic Society in 1784 by Sir William Jones, there emerged the idea of creating a museum depicting the culture, history and natural wealth of the country. The humble contribution of his own collections and the assiduous efforts by the eminent Botanist, Dr. Nathaniel Wallich was just the beginning. The arrival of huge collections from all over the country started setting in and the need for elaborate study and preservation of the materials became indispensable. The great ichthyologists, Dr. Mc Clelland and Mr. Edward Blyth were in charge of maintaining the zoological collections in the beginning. Blyth's contributions to the vertebrate fauna of India is invaluable. Another important name to be mentioned here is William Blanford, who not only contributed to the rich collections, but brought out the earlier studies in the form of research papers in the Journal of Asiatic Society of Bengal. Blanford is instrumental in bringing out the FAUNA OF BRITISH INDIA to which he contributed Fauna of Mammals, and two volumes of Birds. The first volume on Mollusca which he started was completed by Colonel Godwin-Austen. The studies on Malacology flourished maximum at that time in the hands of Godwin-Austen, Ferdinand Stoliczka, William Theobald and Geoffrey Nevill. Stoliczka unravelled diverse groups of vertebrates and invertebrates as well as fossils. Still, the research findings on the invaluable collections were not accredited to the country, for which two periodicals, "Records of Indian Museum" and "Memoirs of Indian Museum" were started.



Sir William Jones

Under the able leadership of Dr. John Anderson, a field naturalist, who was the curator from 1866, the zoological collections got a separate entity, from Asiatic Society and it was shifted to the Indian Museum building in the year 1875.

The Zoological collections of the Museum boosted up from different expeditions like Yunan Expedition 1868-75 (Anderson), Persian Boundary Commission 1870-72, Second

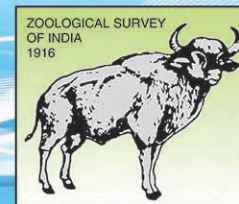




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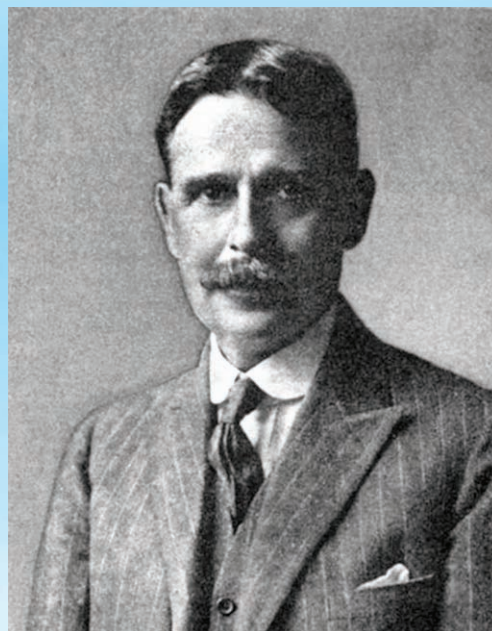
Animal Discoveries 2013



Yarkand Mission 1873-74, Dafla Expedition 1874-75, Military expedition to Lhasa—1903-04 and Abor Expedition 1911-12.

The Deep sea explorations by R.I.M.S. INVESTIGATOR opened avenues for the study of Marine diversity in India from the year 1885. In all the expeditions except Abor expedition, surgeon naturalists were entrusted to collect animal fauna. But in Abor expedition a zoologist, Mr. S.W. Kemp was assigned the same work and it became a milestone in the history of faunal explorations in the country. From his collections large numbers of new species were described from the north east frontier as far as invertebrates were concerned. But the greatest finding still remain as a history, is the discovery of *Typhloperipatus williamsi* Kemp (1913) which is not only a connecting link between Annelida and Arthropoda but it is the only Peripatus commonly known as Velvet worms so far reported from Asia.

Under the able leadership of Dr. Thomas Nelson Annandale the ZSI became a reality on 1st July 1916. After its complete separation from Indian Museum, faunal exploration and the ensuing systematic research on separate faunal groups became the mandate of ZSI. Dr. Annandale meticulously carried on the legacy by describing more than 300 new species from different groups and he developed a passion for island and aquatic fauna.



Dr. Thomas Nelson Annandale

As a matter of fact most of the larger groups were collected and described in the beginning. Among insects, mostly butterflies, beetles and flies were found place in publications from the last decades of 18th century. Other insects and terrestrial invertebrates were gradually being attended. Eventhough insects outnumber other groups in new findings, surprisingly number of fishes and amphibians also increasing day by day. Discovery of Namdapha Flying squirrel *Biswamoyopterus biswasi* Saha 1981 is a remarkable finding from ZSI. This arboreal, nocturnal flying squirrel was described based on a single specimen from Arunachal Pradesh and till now there is no information on its population. Exact number of species described by Zoological Survey of India is yet to be ascertained. The untiring efforts made by our ancestors





to find out and arrange the Indian fauna from Protozoa to Mammalia is fundamental in understanding the biodiversity of India, and it is the responsibility of the future generation to maintain and protect the legacy.

All above mentioned events in many ways helped the Indian taxonomists to showcase their works effectively as because chances of getting new species then became easier. A century ago, only a few publications were available highlighting the works of animal taxonomists. However, this trends has changed dramatically over the years upon the arrival of many new journals and discovery of more species by professional taxonomists than the naturalists of those days. Inspite of such vast differences, the modern taxonomists continue to refer the earlier works through above mentioned publications. It becomes tedious to refer all such new journals to get first-hand information on the animal discoveries made in India. Here comes “Animal Discoveries” as ready reference having information on all the new species and new records made during that particular year. Since 2007, the MoEF with help of ZSI is constantly bringing out Animal Discoveries highlighting the new discoveries and new records made in India with the help of scientists working in the field of animal taxonomy.

Graphic representation of new species described by ZSI from 2007 to 2013 (based on Animal Discoveries)





Animal Discoveries 2013

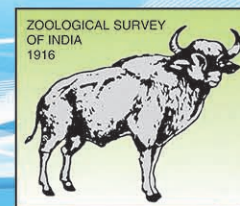
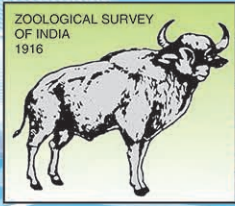


Table-1. Estimated Number of Described species from India (updated December, 2013).

Taxonomic Group	No. of Species		Percentage in India
	World	India	
PROTISTA (Protozoa)	31,250	3,500	11.20
ANIMALIA	1,53,122	13,033	8.51
Mesozoa	71	10	14.08
Porifera	5,000	500	10.00
Cnidaria	10,105	1042	10.31
Ctenophora	100	12	12.00
Platyhelminthes	17,511	1,650	9.42
Rotifera	2,500	330	13.20
Gastrotricha	3,000	100	3.33
Kinorhyncha	100	10	10.00
Nematoda	30,028	2,902	9.66
Acanthocephala	800	229	28.63
Sipuncula	145	35	24.14
Mollusca	66,535	5,169	7.77
Echiura	127	43	33.86
Annelida	17,000	1000	5.88
Onychophora	100	1	1.00
Arthropoda	11,81,398	74,175	6.28
Crustacea	60,000	3,549	5.91
Insecta	10,20,007	63,423	6.22
Arachnida	73,451	5,850	7.96
Pycnogonida	600	17	2.83
Chilopoda	8,000	101	1.26
Diplopoda	7,500	162	2.16
Symphyla	120	4	3.33
Merostomata	4	2	50.00
Phoronida	11	3	27.27
Bryozoa (Ectoprocta)	4,000	200	5.00
Entoprocta	60	10	16.67
Brachiopoda	300	3	1.00
Chaetognatha	111	30	27.03
Tardigrada	514	30	5.84
Echinodermata	6,600	779	11.80
Hemichordata	120	12	10.00
Chordata	64,669	5,665	8.76
Protochordata	2,106	119	5.65
Pisces	32,120	3,022	9.41
Amphibia	6,771	342	5.05
Reptilia	9,230	526	5.70
Aves	9,026	1,233	13.66
Mammalia	5,416	423	7.81
Total (Animalia)	13,99,189	92,873	6.64
Grand Total (Protista + Animalia)	14,30,439	96,373	6.74





Animal Discoveries 2013



ONE NEW SPECIES OF APICOMPLEXA

Phylum: APICOMPLEXA

Class: CONOIDASIDA

Family: ACEPHALIDAE n. fam.

1. *Acephalus sundarbanensis* Mandal and Ray

Locality: Sunderban, West Bengal, India.

Journal: *J. Environ. and Sociobiol.*, **10**(2): 113-120.

Year: 2013.

Described by: Sudip Mandal and Rupendu Ray.

Remarks: Parasitic on *Euconocephalus incertus*, an orthopteran insect.

EIGHT NEW SPECIES OF CILIOPHORA

Phylum: CILIOPHORA

Class: KINETOFRAGMINOPHOREA

Family: OPHRYOSCOLECIDAE

2. *Entodinium binatasum* Kulkarni

Locality: Maharashtra, India.

Journal: *Journal of International Academic Research for Multidisciplinary*, **1**(10): 109-116.

Year: 2013.

Described by: S.A. Kulkarni.

Remarks: Parasitic on Indian Cattle (*Bos indicus*).

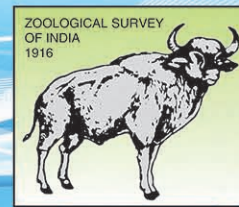




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Animal Discoveries 2013



3. *Entodinium babinum* Kulkarni

Locality: Maharashtra, India.

Journal: *Asian Resonance*, 2(3):49-52.

Year: 2013.

Described by: S.A. Kulkarni.

Remarks: Parasitic on Indian Cattle (*Bos indicus*).

Class: OLIGOHYMENOPHOREA

4. *Cothurnia palkensis* Chatterjee, Leborans, Ramteke and Ingole

Locality: Palk Bay, India.

Journal: *Cah. Biol. Mar.*, 54: 143-159.

Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

Remarks: Host is Tanaidaceans.

5. *Cothurnia nova* Chatterjee, Leborans, Ramteke and Ingole

Locality: Palk Bay, India.

Journal: *Cah. Biol. Mar.*, 54: 143-159.

Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

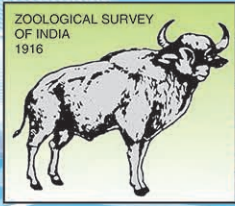
Remarks: Host is Tanaidaceans.

6. *Cothurnia disper* Chatterjee, Leborans, Ramteke and Ingole

Locality: Gulf of Mannar, India.

Journal: *Cah. Biol. Mar.*, 54: 143-159.





Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

Remarks: Host is Isopod.

7. *Cothurnia dovgali* Chatterjee, Leborans, Ramteke and Ingole

Locality: Palk Bay, India.

Journal: *Cah. Biol. Mar.*, **54**: 143-159.

Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

Remarks: Host is Tanaidaceans.

8. *Cothurnia mannarensis* Chatterjee, Leborans, Ramteke and Ingole

Locality: Gulf of Mannar, India.

Journal: *Cah. Biol. Mar.*, **54**: 143-159.

Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

Remarks: Host is Tanaidaceans.

9. *Cothurnia clampi* Chatterjee, Leborans, Ramteke and Ingole

Locality: Gulf of Mannar, India.

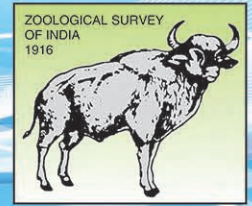
Journal: *Cah. Biol. Mar.*, **54**: 143-159.

Year: 2013.

Described by: T. Chatterjee, G.F. Leborans, D. Ramteke and B. Ingole.

Remarks: Host is Harpacticoid Copepoda.





TWO NEW SPECIES OF CNIDARIA

Class: ANTHOZOA

Order: SCLERACTINIA

Family: FAVIIDAE

10. *Favites monticularis* Mondal, Raghunathan and Venkataraman

Locality: Reef area of Shibpur, Diglipur, North Andaman, India.

Journal: *J. Threatened Taxa*, 5(10): 4510-4513.

Year: 2013.

Described by: Tamal Mondal, C. Raghunathan and K. Venkataraman.



Family: FUNGIIDAE

11. *Ctenactis triangularis* Mondal and Raghunathan

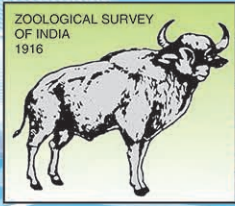
Locality: Reef area of Surumai Dikri, Rutland Island, South Andaman, India.

Journal: *J. Threatened Taxa*, 5(12): 4653-4659.

Year: 2013.

Described by: Tamal Mondal and C. Raghunathan.





TWO NEW SPECIES OF CESTODA

Phylum: PLATYHELMINTHES

Class: CESTODA

Order: LECANICEPHALIDEA

Family: LECANICEPHALIDAE

12. *Tylocephalum yeshwantraoe* Pawar, Dandwate and Lonkar

Locality: Mirya, Ratnagiri, Maharashtra, India.

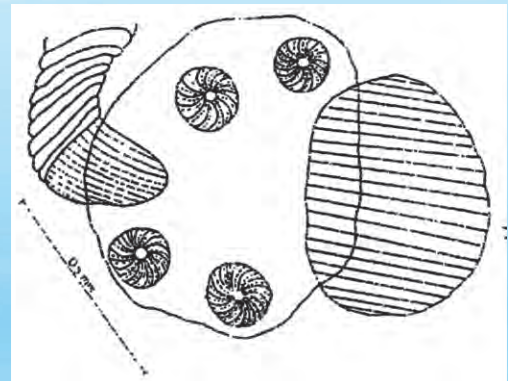
Host: *Trygon sephen*.

Habitat: Intestine.

Journal: *Uttar Pradesh Journal of Zoology*, 33(2): 189-192.

Year: 2013.

Described by: R.G. Pawar, R.R. Dandwate and R.S. Lonkar.



Order: PROTEOCEPHALOIDEA

Family: PROTEOCEPHALIDAE

13. *Proteocephalus sangameshwariensis* Dandwate, Lonkar and Pawar

Locality: Sangameshwar, Ratnagiri, Maharashtra, India.

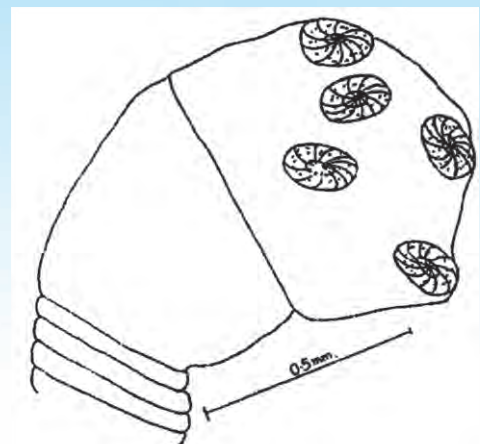
Host: *Mastacembellus armatus*.

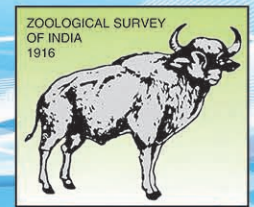
Habitat: Intestine.

Journal: *Uttar Pradesh J. Zoology*, 33(2): 193-195.

Year: 2013.

Described by: R.R. Dandwate, R.S. Lonkar and R.G. Pawar.





SIX NEW SPECIES OF NEMATODA

Class: NEMATODA

Order: DORYLAIMIDAE

Family: APORCELAIMIDAE

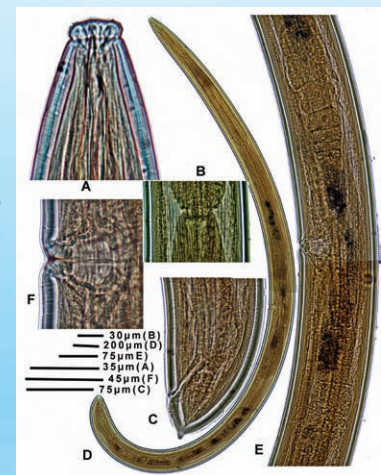
14. *Aporcelaimellus istvani* Dattaray, Gantait, Roy and Manna

Locality: Madhyamgram, N-24 Parganas, West Bengal, India.

Journal: Rec. zool. Surv. India, **113**(Part-3): 11-40.

Year: 2013.

Described by: Payal Dattaray, Viswa Venkat Gantait, Subhadeep Roy and Buddhadeb Manna.



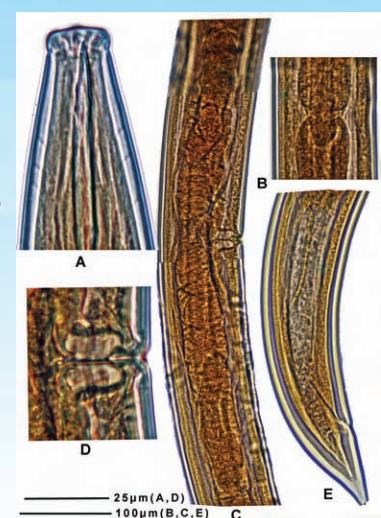
15. *Aporcelaimellus tiasiae* Dattaray, Gantait, Roy and Manna

Locality: Halisahar, N-24 Parganas, West Bengal, India.

Journal: Rec. zool. Surv. India, **113**(Part-3): 11-40.

Year: 2013.

Described by: Payal Dattaray, Viswa Venkat Gantait, Subhadeep Roy and Buddhadeb Manna.





Animal Discoveries 2013



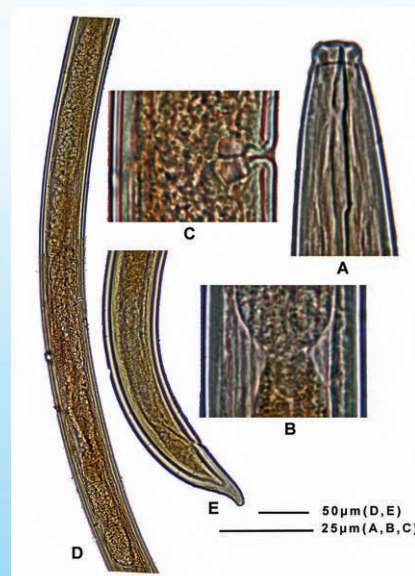
16. *Aporcelaimellus wasimi* Dattaray, Gantait, Roy and Manna

Locality: Habra, N-24 Parganas, West Bengal, India.

Journal: *Rec. zool. Surv. India*, **113**(Part-3): 11-40.

Year: 2013.

Described by: Payal Dattaray, Viswa Venkat Gantait, Subhadeep Roy and Buddhadeb Manna.



Order: OXYURIDA

Family: PARAPHARYNGODONIDAE

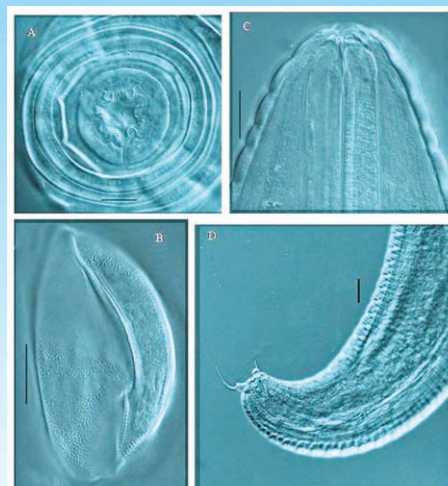
17. *Parapharyngodon jairajurii* Rizvi and Bursey

Locality: NRC/ZSI, Dehradun, Uttarakhand, India.

Journal: *Comparative Parasitology*, **80**(2):251-258.

Year: 2013.

Described by: A.N. Rizvi and C.R. Bursey.

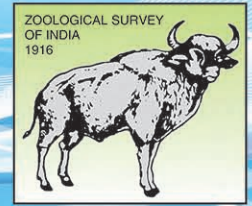




12



Animal Discoveries 2013



Order: RHABDITIDA

Family: RHABDIASIDAE

18. *Rhabdias himalayanus* Rizvi, Bursey and Bhutia

Locality: Branskhand, Dehradun, Uttarakhand, India.

Type host: Himalayan toad, *Duttaphrynus himalayanus* (Günther, 1864).

Journal: *The Journal of Parasitology*, **99**(2): 303–306.

Year: 2013.

Described by: Anjum N. Rizvi, Charles R. Bursey and Pasang T. Bhutia.



19. *Rhabdias dehradunensis* Rizvi, Bursey and Bhutia

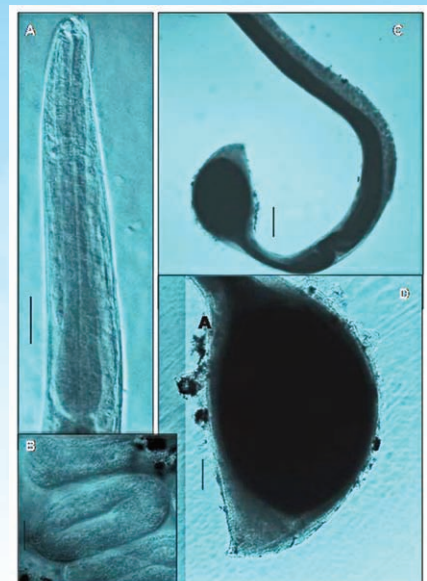
Locality: Doobda (Maldevta), Dehradun, Uttarakhand, India.

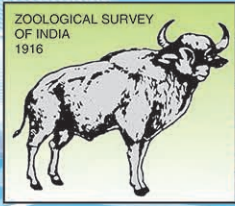
Type host: Nepal paa frog, *Nanorana minica* (Dubois, 1975).

Journal: *The Journal of Parasitology*, **99**(2): 303–306.

Year: 2013.

Described by: Anjum N. Rizvi, Charles R. Bursey and Pasang T. Bhutia.





TWO NEW SPECIES OF ANNELIDA

Phylum: ANNELIDA

Class: HIRUDINEA

Family: GLOSSIPHONIDAE

20. Hemiclepsis chharwardamensis Mandal

Locality: Chharwardam, Bokaro, Jharkhand, India.

Journal: Rec. zool. Surv. India, **113**(Part-2): 153-155.

Year: 2013.

Described by: C.K. Mandal.

21. Placobdella gauripurensis Mandal

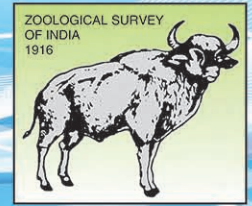
Locality: Gauripur, Kalibari, Birati, Kolkata, West Bengal, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 211-213.

Year: 2013.

Described by: C.K. Mandal.





ONE HUNDRED AND SIXTY TWO NEW SPECIES OF INSECTS

Phylum: ARTHROPODA

Class: INSECTA

Order: EPHEMEROPTERA

Family: HEPTAGENIIDAE

22. *Epeorus petersi* Sivaruban, Barathy, Arunachalam, Venkataraman and Sivaramakrishnan

Locality: Kumbakkarai hill stream, Western Ghats, Southern India.

Journal: Zootaxa, **3731**(3): 391-394.

Year: 2013.

Described by: T. Sivaruban, S. Barathy, M. Arunachalam, K. Venkataraman and K.G. Sivaramakrishnan.

Order: ODONATA

Family: CORDULIIDAE

23. *Idionyx gomantakensis* Subramanian, Rangnekar and Naik

Locality: Kulem, Goa, India.

Journal: Zootaxa, **3652**(2): 277-288.

Year: 2013.

Described by: K.A. Subramanian, Parag Rangnekar and Rohan Naik.





Order: PLECOPTERA

Family: NEMOURIDAE

24. *Amphinemura baumanni* Muranyi and Li

Locality: Darjeeling, West Bengal, India.

Journal: Zootaxa, **3694**(2): 167-177.

Year: 2013.

Described by: David Muranyi and Weihai Li.

25. *Sphaeronemoura siveci* Muranyi and Li

Locality: West Garo Hills, Meghalaya, India.

Journal: Zootaxa, **3694**(2): 167-177.

Year: 2013.

Described by: David Muranyi and Weihai Li.

Order: BLATTODEA

TERMITIDAE

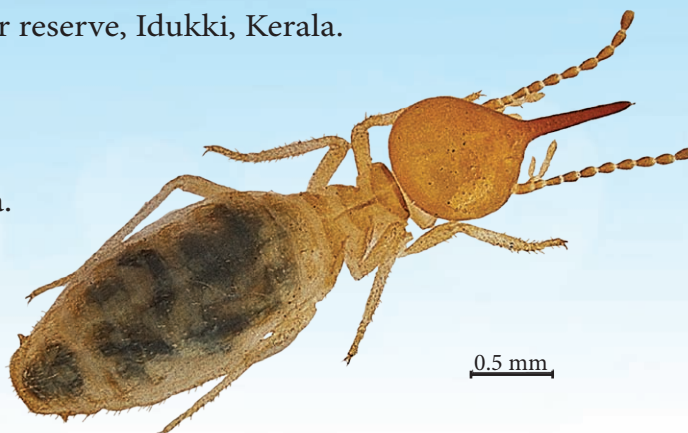
26. *Ceylonitermellus periyarensis* Amina and Rajmohana

Locality: Anjuruli, Thekkady, Periyar Tiger reserve, Idukki, Kerala.

Journal: Colemania, **39**: 1-10.

Year: 2013.

Described by: P. Amina and K. Rajmohana.

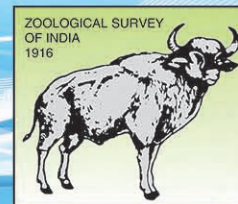




16



Animal Discoveries 2013



Order: THYSANOPTERA

Family: THRIPIDAE

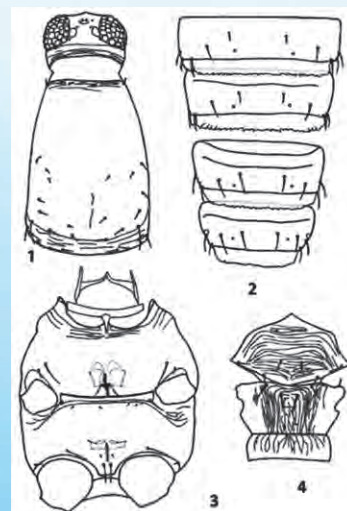
27. *Rhamphothrips bhattii* Kaomud and Kumar

Locality: Murshidabad, West Bengal; Gopalpur, Odisha.

Journal: Zootaxa, 3745(4): 491-495.

Year: 2013.

Described by: Kaomud Tyagi and Vikas Kumar.



Order: HEMIPTERA

Family: ALEYRODIDAE

28. *Aleurolobus tomkinsae* Dooley and Smith-Pardo

Locality: India.

Journal: The Pan-Pacific Entomologist, 89(2): 84-101.

Year: 2013.

Described by: John W. Dooley and Allan Smith-Pardo.

Family: ARADIDAE

29. *Signocoris nilgiricus* Heiss and Banar

Locality: Madras, Tamil Nadu, India.

Journal: Zootaxa, 3647(3): 488-494.

Year: 2013.

Described by: Ernst Heiss and Petr Banar.





Family: APHELOCHEIRIDAE

30. *Aphelocheirus (Aphelocheirus) thirumalaii* Srimoyee, Subramanian and Saha

Locality: Dhupjhora, Murti River, Gorumara National Park, Jalpaiguri district, West Bengal, India.

Journal: Zootaxa, **3700**(2): 293-299.

Year: 2013.

Described by: Srimoyee Basu, K. A. Subramanian and Goutam K. Saha.



Family: CICADIDAE

31. *Chremistica ribhoi* Hajong and Yaakop

Locality: North-East India, Near Siden Village, India.

Journal: Zootaxa, **3702**(5): 493-500.

Year: 2013.

Described by: Sudhanya Ray Hajong and Salmah Yaakop.

32. *Mosaica irregularis* Lee and Emery

Locality: Rapum, Along, Arunachal Pradesh, India.

Journal: Zoosystema, **35**(4): 525-535.

Year: 2013.

Described by: Young June Lee and David Emery.

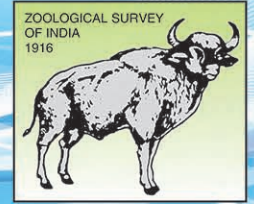




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Animal Discoveries 2013



33. *Manna tenuis* Lee and Emery

Locality: Rapum, Along, Arunachal Pradesh, India.

Journal: Zoosystema, **35**(4): 525-535.

Year: 2013.

Described by: Young June Lee and David Emery.

Family: COREIDAE

34. *Cletus tashiae* Gupta and Singh

Locality: Hoshiarpur, Punjab, India.

Journal: Polish Journal of Entomology, **82**(2): 63-81.

Year: 2013.

Described by: Rashmi Gupta and Devinder Singh.



35. *Cletus pygophorus* Gupta and Singh

Locality: Dehradun (Uttarakhand) and Solan (Himachal Pradesh), India.

Journal: Polish Journal of Entomology, **82**(2): 63-81.

Year: 2013.

Described by: Rashmi Gupta and Devinder Singh.





Family: GERRIDAE

36. *Metrocoris morsei* Jehamalar and Chandra

Locality: Great Nicobar Biosphere Reserve, Nicobar district, Andaman and Nicobar Islands, India.

Journal: Zootaxa, **3734**(1): 063-071.

Year: 2013.

Described by: E. Eyarin Jehamalar and Kailash Chandra.



37. *Metrocoris shillongensis* Jehamalar and Chandra

Locality: Shillong (East Khasi Hills district) and Barapani (Ri-Bhoi district), Meghalaya, India.

Journal: Zootaxa, **3734**(1): 063-071.

Year: 2013.

Described by: E. Eyarin Jehamalar and Kailash Chandra.



38. *Tenagogonus venkataramani* Jehamalar and Chandra

Locality: Great Nicobar Biosphere Reserve, (Great Nicobar Island, Andaman and Nicobar Islands), India.

Journal: Zootaxa, **3616**(4): 378-386.

Year: 2013.

Described by: E. Eyarin Jehamalar and Kailash Chandra.

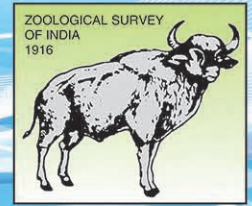




20



Animal Discoveries 2013



Family: TACHARDIIDAE

39. *Kerria manipurensis* Ahmad and Ramamurthy

Locality: India.

Journal: *Zootaxa*, **3620**(4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, K.K. Sharma, V.V. Ramamurthy, A.S. Vidyarthi and R. Ramani.

40. *Kerria maduraensis* Ahmad and Ramamurthy

Locality: India.

Journal: *Zootaxa*, **3620**(4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, K.K. Sharma, V.V. Ramamurthy, A.S. Vidyarthi and R. Ramani.

41. *Kerria thrissurensis* Ahmad and Ramamurthy

Locality: India.

Journal: *Zootaxa*, **3620** (4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, K.K. Sharma, V.V. Ramamurthy, A.S. Vidyarthi and R. Ramani.

42. *Kerria pennyae* Ahmad and Ramamurthy

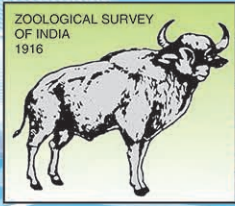
Locality: Orissa, India.

Journal: *Zootaxa*, **3734**(4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, V.V. Ramamurthy, K.K. Sharma, A. Mohanasundaram, A.S. Vidyarthi and R. Ramani.





43. *Kerria dubeyi* Ahmad and Ramamurthy

Locality: Bangalore, Karnataka, India.

Journal: Zootaxa, **3734**(4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, V.V. Ramamurthy, K.K. Sharma, A. Mohanasundaram, A.S. Vidyarthi and R. Ramani.

44. *Kerria varshneyi* Ahmad and Ramamurthy

Locality: Punjab, India.

Journal: Zootaxa, **3734**(4): 442-452.

Year: 2013.

Described by: Ayashaa Ahmad, V.V. Ramamurthy, K.K. Sharma, A. Mohanasundaram, A.S. Vidyarthi and R. Ramani.

Family: VELIIDAE

45. *Velia (Cesavelia) mitrai* Srimoyee, Subramanian and Polhemus

Locality: Neora Valley National Park, Darjeeling, West Bengal, India.

Journal: Zootaxa, **3693**(3): 344-350.

Year: 2013.

Described by: Srimoyee Basu, K.A. Subramanian and Dan A. Polhemus.

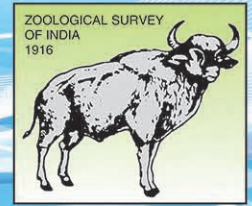




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Animal Discoveries 2013



Order: COLEOPTERA

Family: CARABIDAE

46. *Cryptocephalomorpha indica* Baehr

Locality: Jog Falls, Karnataka, India.

Journal: Entomologia Basiliensia et Collectionis Frey, **34**: 61-73.

Year: 2013.

Described by: Martin Baehr.

47. *Stenolophus (Egadroma) ovchinnikovi* Kataev and Wrase

Locality: Uttarakhand, India.

Journal: Zoosystematica Rossica, **22**(2): 258-265.

Year: 2013.

Described by: B.M. Kataev and D.W. Wrase.

Family: CHRYSOMELIDAE

48. *Callispa keram* Shameem and Prathapan

Locality: Kerala, India.

Journal: Zookeys, **269**: 1-10.

Year: 2013.

Described by: K.M. Shameem and K.D. Prathapan.

49. *Notosacantha bertounesquei* Borowiec and Tirant

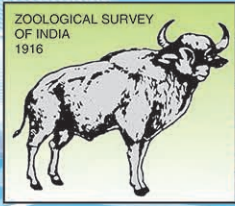
Locality: Kerala, India.

Journal: Zootaxa, **3694**(3): 289-395.

Year: 2013.

Described by: Lech Borowiec and Stephane Le Tirant.





Animal Discoveries 2013



50. *Orthaltica syzygium* Prathapan and Konstantinov

Locality: Karnataka and Kerala, India.

Journal: Zookeys, **336**: 47-59.

Year: 2013.

Described by: K.D. Prathapan, A. Konstantinov, K.M. Shameem and A.P. Balan.

51. *Orthaltica terminalia* Prathapan and Konstantinov

Locality: Karnataka and Kerala, India.

Journal: Zookeys, **336**: 47-59.

Year: 2013.

Described by: K.D. Prathapan, A. Konstantinov, K.M. Shameem and A.P. Balan.

Family: NOTERIDAE

52. *Hydrocanthus guignoti* Devi, Devi and Singh

Locality: Manipur, India.

Journal: J. New Biological Reports, **2**(3): 241-245.

Year: 2013.

Described by: M. Bhubaneshwari Devi, O. Sandhyarani Devi and Salam Dineshwar Singh.

Family: SCARABAEIDAE

53. *Aphodius (Gilletianus) rajawatorum* Prathapan, Konstantinov, Shameem and Balan

Locality: Rajasthan, India.

Journal: Acta Entomologica Musei Nationalis Pragae, **53**(2): 633-648.

Year: 2013.

Described by: K.D. Prathapan, A. Konstantinov, K.M. Shameem and A.P. Balan.

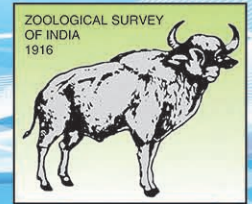




24



Animal Discoveries 2013



Family: STAPHYLINIDAE

54. *Tangius indicus* Yin and Li

Locality: Meghalaya, India.

Journal: Zookeys, **346**: 23-27.

Year: 2013.

Described by: Zi-Wei Yin and Li-Zhen Li.

Family: STICHOLOTIDINAE

55. *Jauravia bicaullatus* Singh and Singh

Locality: Kodaik, Tamil Nadu, India.

Journal: Uttar Pradesh J. Zool., **33**(1): 17-20.

Year: 2013.

Described by: V.K. Singh and Devinder Singh.

56. *Jauravia punjabensis* Singh and Singh

Locality: Paniar, Gurudaspur, Punjab.

Journal: Uttar Pradesh J. Zool., **33**(1): 17-20.

Year: 2013.

Described by: V.K. Singh and Devinder Singh.

Order: DIPTERA

Family: CARNIDAE

57. *Meoneura indica* Papp

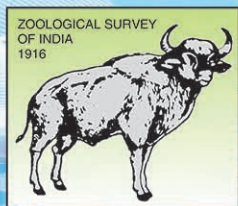
Locality: Uttar Pradesh, India.

Journal: Acta Zoologica Academiae Scientiarum Hungaricae, **59**(3): 213-227.

Year: 2013.

Described by: L. Papp.





Animal Discoveries 2013



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58. *Meoneura simplex* Papp

Locality: Uttar Pradesh, India.

Journal: Acta Zoologica Academiae Scientiarum Hungaricae, 59(3): 213-227.

Year: 2013.

Described by: L. Papp.

Family: CHLOROPIDAE

59. *Pseudogaurax indicus* Cherian

Locality: India.

Journal: Oriental Insects, 47(4): 203-217.

Year: 2013.

Described by: P.T. Cherian.

60. *Pseudogaurax keralaensis* Cherian

Locality: India.

Journal: Oriental Insects, 47(4): 203-217.

Year: 2013.

Described by: P.T. Cherian.

61. *Pseudogaurax meghalayensis* Cherian

Locality: India.

Journal: Oriental Insects, 47(4): 203-217.

Year: 2013.

Described by: P.T. Cherian.

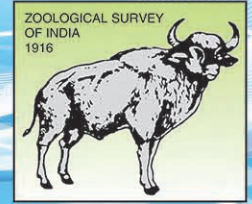




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Animal Discoveries 2013



62. *Pseudogaurax thomsoni* Cherian

Locality: India.

Journal: *Oriental Insects*, 47(4): 203-217.

Year: 2013.

Described by: P.T. Cherian.

63. *Pseudogaurax tristriatus* Cherian

Locality: India.

Journal: *Oriental Insects*, 47(4): 203-217.

Year: 2013.

Described by: P.T. Cherian.

Family: CULICIDAE

64. *Toxorhynchites (Toxorhynchites) tyagii* Krishnamoorthy, Munirathinam, Dhananjeyan, Hiriyan, Mariappan, Samuel and Venkatesh

Locality: Nilgiri hills, Western Ghats, Southern India.

Journal: *Zootaxa*, 3701(4): 447-459.

Year: 2013.

Described by: R. Krishnamoorthy, A. Munirathinam, K.J. Dhananjeyan, J. Hiriyan, T. Mariappan, Philip Samuel and A. Venkatesh.

Family: HELEOMYZIDAE

65. *Suillia niesiolowskii* Woznica

Locality: Kodaikanal, South India.

Journal: *Polish Journal of Entomology/ Polskie Pismo Entomologiczne*, 82(4): 389-396.

Year: 2013.

Described by: Andrzej J. Woznica.





Family: PSYCHODIDAE

66. *Sergentomyia (Parrotomyia) jerighatiansis* Srinivasan and Jambulingam

Locality: Kandhamal district, Orissa, India.

Journal: *Acta Trop*, **128**(3): 674-679.

Year: 2013.

Described by: R. Srinivasan and P. Jambulingam

Order: TRICHOPTERA

Family: ECNOMIDAE

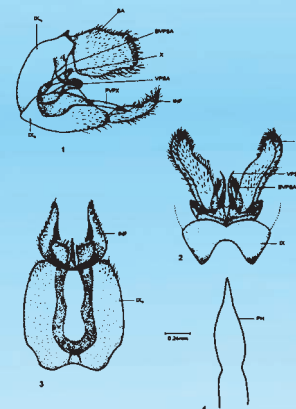
67. *Ecnomus suni* Pandher and Saini

Locality: Cherrapunjee, Meghalaya, India.

Journal: *Halteres*, **4**: 19-24.

Year: 2013.

Described by: Manpreet S. Pandher and Malkiat S. Saini.



Family: HYDROBIOSIDAE

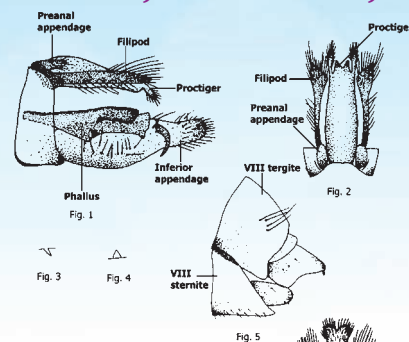
68. *Apsilochorema (Archichorema) kashmirensis* Saini, Lakhwinder, Pandher and Parey

Locality: Baderwah, Jammu and Kashmir, India.

Journal: *Zootaxa*, **3664**(2): 226-232.

Year: 2013.

Described by: Malkiat S. Saini, Lakhwinder, K., Manpreet S. Pandher and Sajad H. Parey.

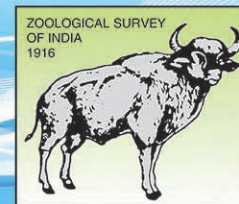




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Animal Discoveries 2013



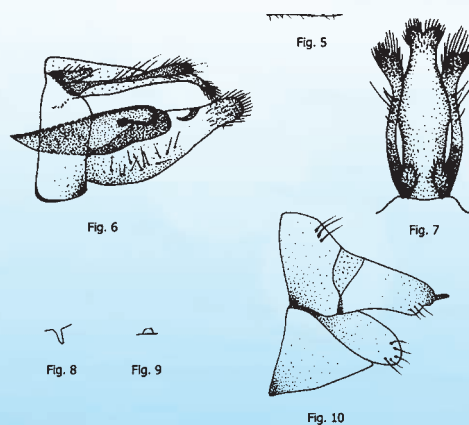
69. *Apsilochorema (Archichorema) meyi* Saini, Lakhwinder, Pandher and Parey

Locality: Holi in Himachal Pradesh and Ravengla in Sikkim, India.

Journal: Zootaxa, **3664**(2): 226-232.

Year: 2013.

Described by: Malkiat S. Saini, Lakhwinder, K., Manpreet S. Pandher and Sajad H. Parey.



Family: GLOSSOMATIDAE

70. *Glossosoma (Glossosoma) dirangense* Saini, Lakhwinder, Parey and Rathor

Locality: Dirang, Arunachal Pradesh, India.

Journal: Zootaxa, **3664**(3): 392-396.

Year: 2013.

Described by: Malkiat S. Saini, K. Lakhwinder, Sajad H. Parey and Vikram S. Rathor.

71. *Glossosoma (Glossosoma) sikkimense* Saini, Lakhwinder, Parey and Rathor

Locality: Lachen, Sikkim, India.

Journal: Zootaxa, **3664**(3): 392-396.

Year: 2013.

Described by: Malkiat S. Saini, K. Lakhwinder, Sajad H. Parey and Vikram S. Rathor.





Family: LEPIDOSTOMATIDAE

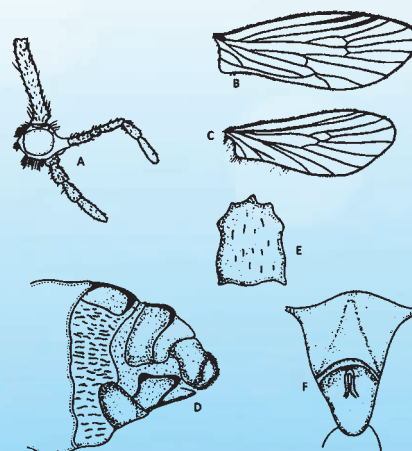
72. *Lepidostoma nuburagangai* Dinakaran, Anbalagan and Balachandran

Locality: Nuburagangai stream of Alagar Hills, Tamil Nadu.

Journal: *J. Threatened Taxa*, 5(1): 3531-3535.

Year: 2013.

Described by: S. Dinakaran, S. Anbalagan and C. Balachandran.



73. *Lepidostoma curvatum* Parey and Saini

Locality: Tato, Arunachal Pradesh, India.

Journal: *Turkish Journal of Zoology*, 37: 768-772.

Year: 2013.

Described by: Sajad Hussain Parey and Malkiat Singh Saini.

74. *Lepidostoma mechukaense* Parey and Saini

Locality: Mechuka, Arunachal Pradesh, India.

Journal: *Turkish Journal of Zoology*, 37: 768-772.

Year: 2013.

Described by: Sajad Hussain Parey and Malkiat Singh Saini.

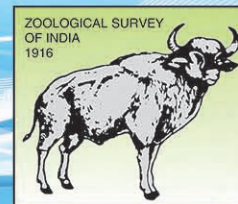




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Animal Discoveries 2013



Family: LIMNOPHILIDAE

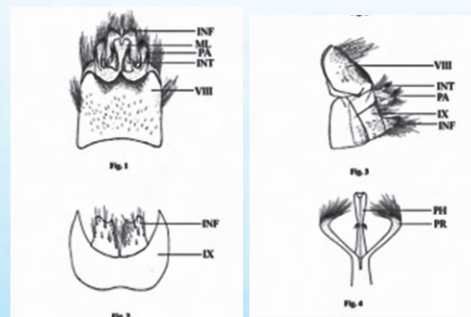
75. *Pseudostenophylax himachalica* Parey, Saini and Pandher

Locality: Sathrundi, Himachal Pradesh, India.

Journal: *Zootaxa*, **3616**(3): 287-290.

Year: 2013.

Described by: Sajad H. Parey, Malkiat S. Saini and Manpreet S. Pandher.



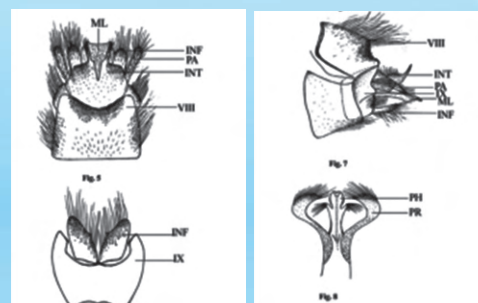
76. *Pseudostenophylax gulmargensis* Parey, Saini and Pandher

Locality: Gulmarg, Jammu and Kashmir.

Journal: *Zootaxa*, **3616**(3): 287-290.

Year: 2013.

Described by: Sajad H. Parey, Malkiat S. Saini and Manpreet S. Pandher.



Family: PHILOPOTAMIDAE

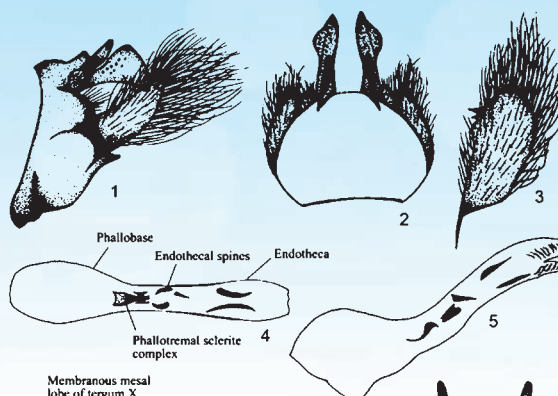
77. *Chimarra dentata* Pandher and Saini

Locality: Chungthang, Sikkim, India.

Journal: *Acta Zoologica Academia Scientiarum Hungaricae*, **59**(3): 267-277.

Year: 2013

Described by: Manpreet S. Pandher and Malkiat S. Saini.





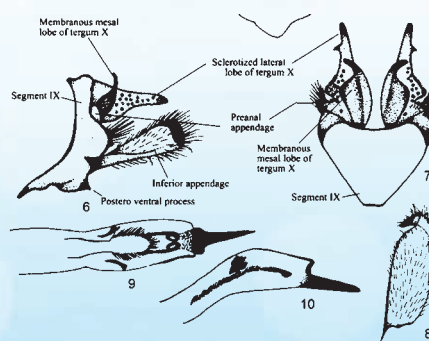
78. *Chimarra recurvata* Pandher and Saini

Locality: Singhik, Sikkim, India.

Journal: *Acta Zoologica Academica Scientiarum Hungaricae*, **59**(3): 267-277.

Year: 2013.

Described by: Manpreet S. Pandher and Malkiat S. Saini.



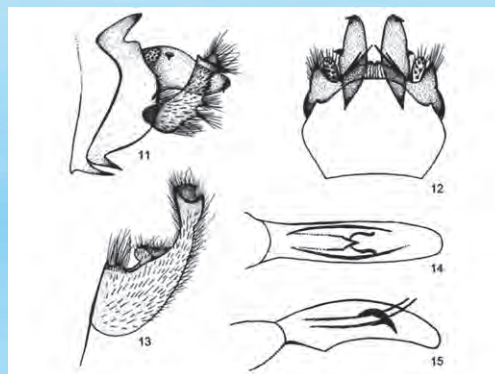
79. *Chimarra dibangensis* Pandher and Saini

Locality: Roing, Arunachal Pradesh, India.

Journal: *Acta Zoologica Academica Scientiarum Hungaricae*, **59**(3): 267-277.

Year: 2013.

Described by: Manpreet S. Pandher and Malkiat S. Saini.



Family: RHYACOPHILIDAE

80. *Rhyacophila kashmirensis* Kaur and Saini

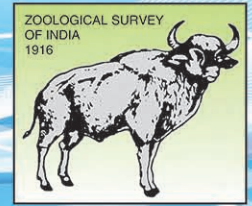
Locality: Gulmarg, Jammu and Kashmir, India.

Journal: *Polish Journal of Entomology/ Polskie Pismo Entomologiczne*, **82**(2): 109-112.

Year: 2013.

Described by: Lakhwinder Kaur and Malkiat S. Saini.





Order: LEPIDOPTERA

Family: ARCTIIDAE

81. *Cyana pseudoeffracta* Kirti, Joshi and Singh

Locality: Meghalaya, India.

Journal: *Journal of Chemical, Biological and Physical Sciences*, 3(2): 1301-1310.

Year: 2013.

Described by: Jagbir Singh Kirti, Rahul Joshi and Navneet Singh.

Family: ERREBIDAE

82. *Conilepia hunliensis* Kirti, Singh and Joshi

Locality: Hunli, Arunachal Pradesh, India.

Journal: *Deutsche Entomologische Zeitschrift*, 60(2): 231-234.

Year: 2013.

Described by: Jagbir Singh Kirti, Navneet Singh and Rahul Joshi.

Family: NOCTUIDAE

83. *Macdunnoughia kostrowicki* Kumar and Kumar

Locality: Srinagar, Jammu and Kashmir, India.

Journal: *Munis Entomology and Zoology*, 8(2): 876-882

Year: 2013.

Described by: Rajesh Kumar and Vinay Kumar.





Family: NYMPHALIDAE

84. *Callerebia dibangensis* Roy

Locality: Mithun Valley, Upper Dibang Valley district, Arunachal Pradesh.

Journal: *J. Threatened Taxa*,
5(13): 4725–4733.

Year: 2013.

Described by: Purnendu Roy.



Family: SATYRIDAE

85. *Ypthima coorgensis* Sharma

Locality: Coorg, Karnataka, India.

Journal: *Rec. zool. Surv. India*, 113(Part-3): 1-10.

Year: 2013.

Described by: Narender Sharma.



86. *Ypthima tripuraensis* Sharma

Locality: Kalabagan, West Tripura district, Tripura, India.

Journal: *Rec. zool. Surv. India*, 113(Part-3): 1-10.

Year: 2013.

Described by: Narender Sharma.

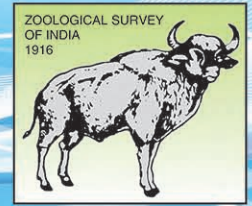




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Animal Discoveries 2013



ORDER: HYMENOPTERA

FAMILY: BRACONIDAE

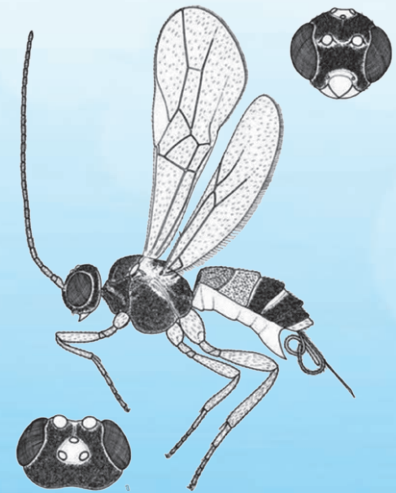
87. *Bracon agathon* Sheeba and Narendran

Locality: Neendakara (Kollam district), Malampuzha and Walayar (Palakkad district), Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



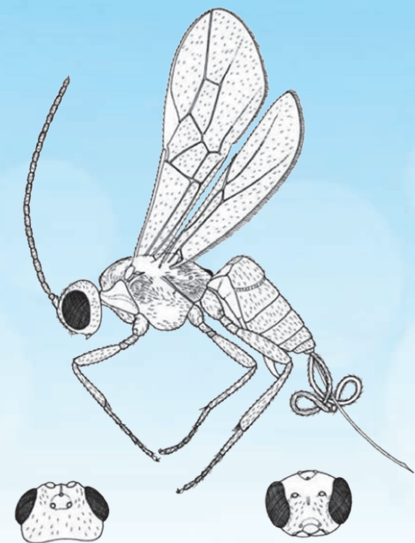
88. *Bracon charien* Sheeba and Narendran

Locality: Calicut University Campus, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.





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89. *Bracon dachaon* Sheeba and Narendran

Locality: Calicut University Campus, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



90. *Bracon daris* Sheeba and Narendran

Locality: Calicut University Campus, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



91. *Bracon decor* Sheeba and Narendran

Locality: Kalkkandi, Palakkad district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.

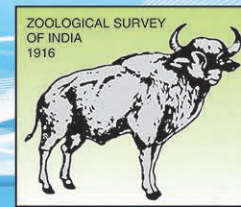




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92. *Bracon heteron* Sheeba and Narendran

Locality: Chokkad, Nilambur, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



93. *Bracon keralense* Sheeba and Narendran

Locality: Marathani, Manjeri, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



94. *Bracon koridor* Sheeba and Narendran

Locality: Kottiyoor (Kannur district), Manjeri and Nilambur (Malappuram district), Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.





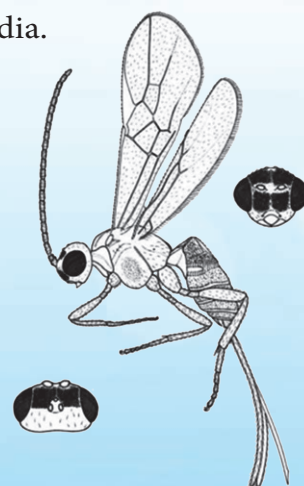
95. *Bracon molycaon* Sheeba and Narendran

Locality: Calicut University Campus, Malappuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



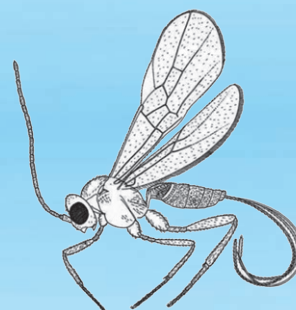
96. *Bracon nexperon* Sheeba and Narendran

Locality: nr. Art Gallery, Thiruvananthapuram district, Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



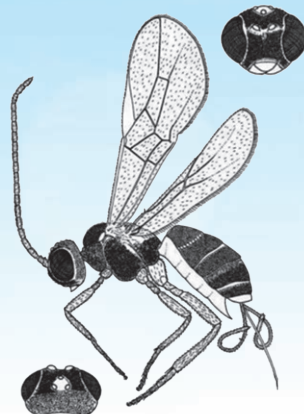
97. *Bracon procnis* Sheeba and Narendran

Locality: Memana (Alappuzha district), Calicut University Campus (Malappuram district), Puzhamudi and mananthavady (Wayanad district), Payyannur and Kannavam forest (Kannur district), Neyyar (Thiruvananthapuram district), Walayar and Agali (Palakkad district), Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

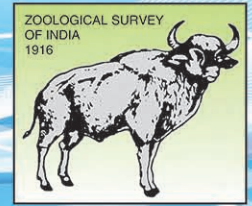
Year: 2013.

Described by: M. Sheeba and T.C. Narendran.





Animal Discoveries 2013



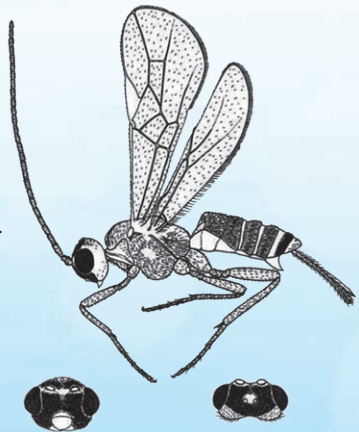
98. *Bracon stom* Sheeba and Narendran

Locality: Manjeri and Karimpuzha (Malappuram district), Pookode and mananthavady (Wayanad district), Cheruthoni (Idikki district), Nanminda (Kozhikode district), Neendakara (Kollam district), Attingal (Thiruvananthapuram district), Walayar (Palakkad district), Kerala, India.

Journal: Occasional Paper No. 348: 1-52. Zoological Survey of India.

Year: 2013.

Described by: M. Sheeba and T.C. Narendran.



99. *Buluka horni* Gupta

Locality: India

Journal: Zootaxa, 3701(3): 365-380.

Year: 2013.

Described by: Ankita Gupta.

100. *Glyptapanteles clanisae* Gupta

Locality: India.

Journal: Zootaxa, 3701(3): 365-380.

Year: 2013.

Described by: Ankita Gupta.

101. *Glyptapanteles triloachae* Gupta

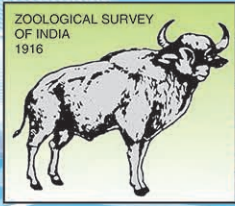
Locality: India.

Journal: Zootaxa, 3701(3): 365-380.

Year: 2013.

Described by: Ankita Gupta.





102. *Parapanteles echeriae* Gupta, Pereira and Churi

Locality: Maharashtra, India.

Journal: Zootaxa, **3709**(4): 363-370.

Year: 2013.

Described by: Ankita Gupta, Blaise Pereira and Parekh V. Churi.

103. *Dolichogenidea cinnarae* Gupta, Lokhande and Soman

Locality: Peninsular India.

Journal: Zootaxa, **3701**(2): 277-290.

Year: 2013.

Described by: A. Gupta, S.A. Lokhande and A. Soman.

104. *Microplitis murkyi* Gupta

Locality: India.

Journal: Zootaxa, **3620**(3): 429-452.

Year: 2013.

Described by: A. Gupta.

Family: CHALCIDIDAE

105. *Notaspediella shyamagatra* Narendran

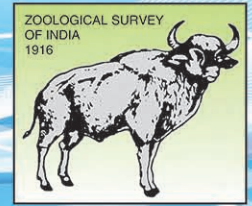
Locality: Aralam Wildlife Sanctuary, Kannur district, Kerala, India.

Journal: J. Bombay nat Hist. Society, **110**(1): 65-70.

Year: 2013.

Described by: T.C. Narendran, Abhilash Peter, K. Nikhil and Minu Mohan.





FAMILY: ENCYRTIDAE

106. *Neocladia noyesi* Manickavasagam and Rameshkumar

Locality: Perumalpalayam, Thuraiyur, Thiruchirappalli, Tamil Nadu, India.

Journal: *J. Threatened Taxa*, 5(1): 3527-3530.

Year: 2013.

Described by: S. Manickavasagam and A. Rameshkumar.



107. *Adektitopus hayati* Manickavasagam and Rameshkumar

Locality: Annamalai University premises, Chidambaram, Tamil Nadu, India.

Journal: *J. Threatened Taxa*, 5(2): 3642-3645;

doi: 10.11609/JoTT.o3306.3642-45.

Year: 2013.

Described by: S. Manickavasagam and A. Rameshkumar.



108. *Anagyrus amnestos* Rameshkumar, Noyes, Poorani and Chong

Locality: Karnataka, India.

Journal: *Zootaxa*, 3717(1): 076-084.

Year: 2013.

Described by: A. Rameshkumar, J.S. Noyes, J. Poorani and J.H. Chong.





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109. *Anikera andamanica* Hayat gen. et sp. nov.

Locality: Mt. Harriet, Andaman and Nicobar Islands; Malappuram, Kerala, India.

Journal: *Prommalia*, **1**: 98-113.

Year: 2013.

Described by: M. Hayat and K. Veenakumari.



110. *Cheiloneurus mandyanus* Hayat, Zeya and Veenakumari

Locality: India.

Journal: *Zootaxa*, **3716**(2): 259-276.

Year: 2013.

Described by: Mohammad Hayat, Shahid Bin Zeya and K. Veenakumari.

111. *Encyrtus coorgensis* Hayat, Zeya and Veenakumari

Locality: India.

Journal: *Zootaxa*, **3716**(2): 259-276.

Year: 2013.

Described by: Mohammad Hayat, Shahid Bin Zeya and K. Veenakumari.

112. *Microterys atturensis* Hayat, Zeya and Veenakumari

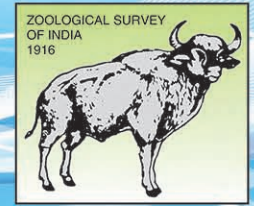
Locality: India.

Journal: *Zootaxa*, **3716**(2): 259-276.

Year: 2013.

Described by: Mohammad Hayat, Shahid Bin Zeya and K. Veenakumari.





113. *Pseudectroma indicum* Hayat, Zeya and Veenakumari

Locality: India.

Journal: *Zootaxa*, **3716**(2): 259-276.

Year: 2013.

Described by: Mohammad Hayat, Shahid Bin Zeya and K. Veenakumari.

114. *Psyllaephagus ramamurthyi* Hayat, Singh and Kumar

Locality: Assam, India.

Journal: *Oriental Insects*, **47**(2-3): 150-154.

Year: 2013.

Described by: M. Hayat, L.R.K. Singh and R. Kumar.

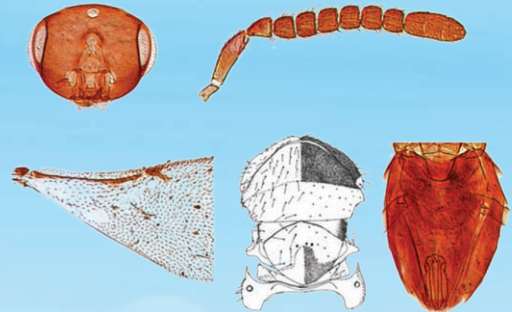
115. *Rhopus kollamensis* Uzman and Zeya

Locality: Cheppad, Kollam, Kerala, India.

Journal: *Prommalia*, **1**: 114-130.

Year: 2013.

Described by: Syeda Uzma Uzman, Shahid Bin Zeya and Mohammad Hayat.



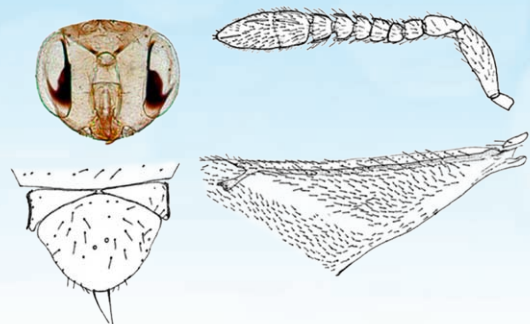
116. *Rhopus lorato* Uzman and Zeya

Locality: Chhedi Purva, Barabanki, Uttar Pradesh, India.

Journal: *Prommalia*, **1**: 114-130.

Year: 2013.

Described by: Syeda Uzma Usman, Shahid Bin Zeya and Mohammad Hayat.





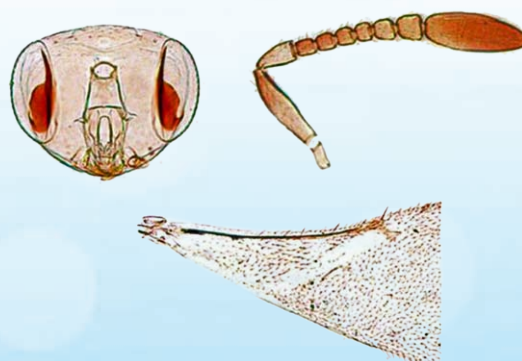
117. *Rhopus fatehpurensis* Uzman and Zeya

Locality: Thariyaon, Fatehpur, Uttar Pradesh, India.

Journal: *Prommalia*, 1: 114-130.

Year: 2013.

Described by: Syeda Uzma Usman, Shahid Bin Zeya and Mohammad Hayat.



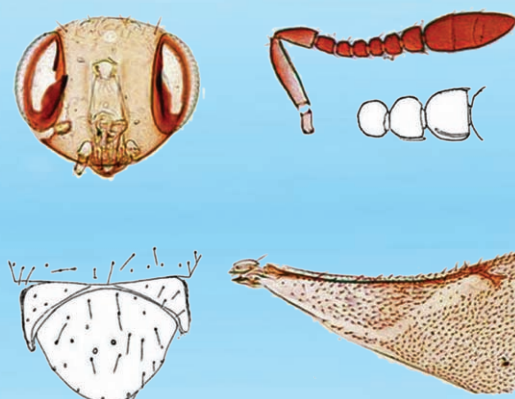
118. *Rhopus zoleno* Uzman and Zeya

Locality: Chhedi Purva, Barabanki, Uttar Pradesh, India.

Journal: *Prommalia*, 1: 114-130.

Year: 2013.

Described by: Syeda Uzma Usman, Shahid Bin Zeya and Mohammad Hayat.



119. *Rhopus tamilanus* Manickavasagam and Rameshkumar

Locality: Annamalai University premises, Chidambaram, Tamil Nadu, India.

Journal: *J. Threatened Taxa*, 5(2): 3642-3645.

Year: 2013.

Described by: S. Manickavasagam and A. Rameshkumar.

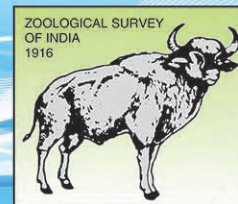




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120. *Trechnites hairah* Hayat

Locality: Sippighat, Andaman and Nicobar Islands; Kuttalangadi and AMU Campus, Malappuram district, Kerala, India.

Journal: *Prommalia*, 1: 98-113.

Year: 2013.

Described by: M. Hayat and K. Veenakumari.



Family: EULOPHIDAE

121. *Astichus santoshi* Narendran

Locality: Calicut University campus, Malappuram district, Kerala, India.

Journal: *Biosystematica*, 6(2).

Year: 2013.

Described by: T.C. Narendran.



122. *Chrysocharis cuticisi* Narendran and Sureshan

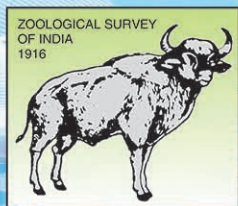
Locality: Nimmu near Kargil, Ladakh, Jammu and Kashmir, India.

Journal: *Rec. zool. Surv. India*, 113(Part 2): 13-34.

Year: 2013.

Described by: T.C. Narendran, Nakeer Razak and P.M. Sureshan.





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123. *Chrysocharis differentis* Narendran and Sureshan

Locality: Nimmu near Kargil, Ladakh, Jammu and Kashmir; Rabon, Solan, Himachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part 2): 13-34.

Year: 2013.

Described by: T.C. Narendran, Nakeer Razak and P.M. Sureshan.

124. *Chrysocharis harithi* Narendran and Razak

Locality: Srinagar, Jammu and Kashmir, India.

Journal: Rec. zool. Surv. India, **113**(Part 2): 13-34.

Year: 2013.

Described by: T.C. Narendran, Nakeer Razak and P.M. Sureshan.

125. *Chrysocharis neosunosei* Narendran and Razak

Locality: Jammu and Kashmir, India.

Journal: Rec. zool. Surv. India, **113**(Part 2): 13-34.

Year: 2013.

Described by: T.C. Narendran, Nakeer Razak and P.M. Sureshan.

126. *Chrysocharis neoviridis* Narendran and Razak

Locality: Barjulla and Pulwama, Jammu and Kashmir, India.

Journal: Rec. zool. Surv. India, **113**(Part 2): 13-34.

Year: 2013.

Described by: T.C. Narendran, Nakeer Razak and P.M. Sureshan.

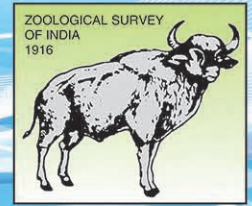




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127. *Tetrastichus demonaxi* Narendran

Locality: Kokkare, Thekkady, Idukki district, Kerala, India.

Journal: Samagra, 9: 3-22.

Year: 2013.

Described by: T. C. Narendran, K. Rajmohana, Abhilash Peter and C. Bijoy



Family: EUPELMIDAE

128. *Calosota idukkiensis* Narendran and Bijoy

Locality: Kokkare, Thekkady, Idukki district, Kerala, India.

Journal: Samagra, 9: 3-22.

Year: 2013.

Described by: T. C. Narendran, K. Rajmohana, Abhilash Peter and C. Bijoy.



129. *Calosota iochroma* Narendran

Locality: Kokkare, Thekkady, Idukki district, Kerala, India.

Journal: Samagra, 9: 3-22.

Year: 2013.

Described by: T. C. Narendran, K. Rajmohana, Abhilash Peter and C. Bijoy.





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130. *Metapelma kokkaricum* Narendran and Abhilash

Locality: Kokkare, Thekkady, Idukki district, Kerala, India.

Journal: Samagra, 9: 3-22.

Year: 2013.

Described by: T. C. Narendran, K. Rajmohana, Abhilash Peter and C. Bijoy.



131. *Metapelma periyaricum* Narendran and Rajmohana

Locality: Kokkare, Thekkady, Periyar Tiger Reserve, Idukki, Kerala, India.

Journal: Samagra, 9: 3-22.

Year: 2013.

Described by: T. C. Narendran, K. Rajmohana, Abhilash Peter and C. Bijoy.



Family: EURYTOMIDAE

132. *Eurytoma chinnarensis* Narendran and Sureshan

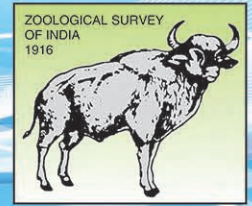
Locality: Kuttar, Chinnar Wildlife Sanctuary, Idukki district, Kerala, India.

Journal: J. Threatened Taxa, 5(9): 4385-4391.

Year: 2013.

Described by: P.M. Sureshan, T.C. Narendran and K. Nikhil.





Family: FIGITIDAE

133. *Alloxysta bhagya* Bijoy and Rajmohana

Locality: Mattupetti Dam site, Idukki, Kerala, India.

Journal: *Biosystematica*, 7(1): 59-66.

Year: 2013.

Described by: C. Bijoy and K. Rajmohana.



134. *Alloxysta indica* Bijoy and Rajmohana

Locality: Mettap: Anamudishola: Idukki: Kerala, India.

Journal: *Biosystematica*, 7(1): 59-66.

Year: 2013.

Described by: C. Bijoy and K. Rajmohana.



135. *Alloxysta sholicola* Bijoy and Rajmohana

Locality: Pampadum Shola, Idukki, Kerala, India.

Journal: *Biosystematica*, 7(1): 59-66.

Year: 2013.

Described by: C. Bijoy and K. Rajmohana.



136. *Alloxysta ochracea* Bijoy and Rajmohana

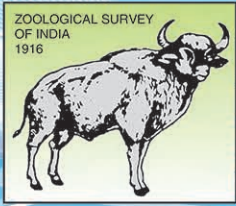
Locality: Madakkimala, Kalpetta, Waynad, Kerala, India.

Journal: *Biosystematica*, 7(1): 59-66.

Year: 2013.

Described by: C. Bijoy and K. Rajmohana.





137. *Kleidotoma sikkimensis* Akhtar, Singh, Ramamurthy and Khan

Locality: Sikkim, India.

Journal: *The Bioscan*, **8**(1): 315-320.

Year: 2013.

Described by: M.S. Akhtar, L.R.K. Singh, V.V. Ramamurthy and F.R. Khan.

Family: FORMICIDAE

138. *Carebara carinata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, **15**(1): 47-67.

Year: 2013.

Described by: H. Bharti and R. Kumar.

139. *Carebara propomegata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, **15**(1): 47-67.

Year: 2013.

Described by: H. Bharti and R. Kumar.

140. *Carebara dentata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, **15**(1): 47-67.

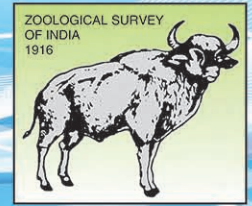
Year: 2013.

Described by: H. Bharti and R. Kumar.





Animal Discoveries 2013



141. *Carebara hornata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, 15(1): 47-67.

Year: 2013.

Described by: H. Bharti and R. Kumar.

142. *Carebara rectangulata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, 15(1): 47-67.

Year: 2013.

Described by: H. Bharti and R. Kumar.

143. *Carebara spinata* Bharti and Kumar

Locality: Shivalik range, North Western Himalayas, India.

Journal: *Journal of the Entomological Research Society*, 15(1): 47-67.

Year: 2013.

Described by: H. Bharti and R. Kumar.

144. *Dilobocondyla gasteroreticulatus* Bharti and Kumar

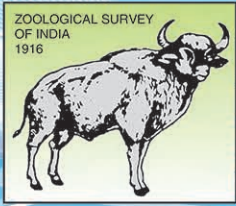
Locality: FRI, Dehradun, Uttarakhand, India.

Journal: *Asian Myrmecology*, 5: 29-44.

Year: 2013.

Described by: H. Bharti and R. Kumar.





145. *Lordomyrma taylori* Bharti and Ali

Locality: Silent Valley, Kerala, India.

Journal: Myrmecological News, **18**: 149-152.

Year: 2013.

Described by: H. Bharti and S. Ali.

146. *Myrmica curvispinosa* Bharti and Sharma

Locality: Himalaya, India.

Journal: J. Asia-Pacific Entomology, **16**(2013): 123-130.

Year: 2013.

Described by: Himender Bharti and Yash Paul Sharma.

147. *Strumigenys mukkaliensis* Bharti and Akbar

Locality: Silent Valley National Park, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Described by: H. Bharti and S.A. Akbar.



148. *Strumigenys thanikkudyensis* Bharti and Akbar

Locality: Periyar Tiger Reserve, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Described by: H. Bharti and S.A. Akbar.

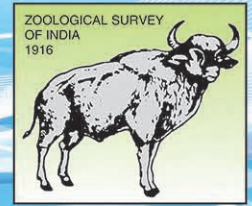




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149. *Tapinoma himalaica* Bharti, Kumar and Dubovikoff

Locality: India.

Journal: *Caucasian Entomological Bull.*, 9(2): 303-304.

Year: 2013.

Described by: H. Bharti, R. Kumar and D.A. Dubovikoff .

150. *Vollenhovia gastropunctata* Bharti and Kumar

Locality: India.

Journal: *Vestnik zoologii*, 47(2): e-67-e-69.

Year: 2013.

Described by: H. Bharti and R. Kumar.

Family: MEGASPILIDAE

151. *Conostigmus neotubifer* Bijoy and Rajmohana

Locality: Andaman and Nicobar islands, India.

Journal: *Biodiversity Data Journal*,

Year: 2013.

Described by: C. Bijoy, K. Rajmohana and Ramesh Kumar.



Family: MYMARIDAE

152. *Gonatocerus sergueii* Manikavasagam and Rameshkumar

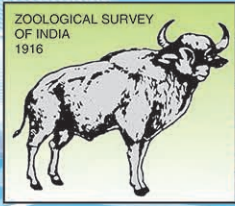
Locality: IWSST campus, Bengaluru, Karnataka, India.

Journal: *Oriental Insects*, 47(1): 86-98.

Year: 2013.

Described by: S. Manikavasagam and A. Rameshkumar.





Animal Discoveries 2013



153. *Gonatocerus garyi* Manikavasagam and Rameshkumar

Locality: IWSST campus, Bengaluru, Karnataka.

Journal: Oriental Insects, 47(1): 86-98.

Year: 2013.

Described by: S. Manikavasagam and A. Rameshkumar.

154. *Gonatocerus gunathilagaraji* Manikavasagam and Rameshkumar

Locality: IWSST campus, Bengaluru, Karnataka.

Journal: Oriental Insects, 47(1): 86-98.

Year: 2013.

Described by: S. Manikavasagam and A. Rameshkumar.

155. *Gonatocerus heraty* Manikavasagam and Rameshkumar

Locality: IWSST campus, Bengaluru, Karnataka.

Journal: Oriental Insects, 47(1): 86-98.

Year: 2013.

Described by: S. Manikavasagam and A. Rameshkumar.

156. *Gonatocerus sundus* Zeya and Anwar

Locality: India.

Journal: Oriental Insects, 47(2-3): 116-124.

Year: 2013.

Described by: Shahid Bin Zeya and P. Tarique Anwar.

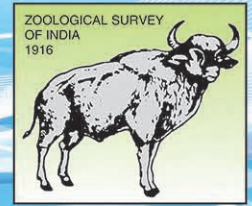




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157. *Gonatocerus manaliensis* Zeya and Anwar

Locality: India.

Journal: *Oriental Insects*, 47(2-3): 116-124.

Year: 2013.

Described by: Shahid Bin Zeya and P. Tarique Anwar.

158. *Gonatocerus ramamurthyi* Zeya and Anwar

Locality: India.

Journal: *Oriental Insects*, 47(2-3): 116-124.

Year: 2013.

Described by: Shahid Bin Zeya and P. Tarique Anwar.

159. *Gonatocerus farmani* Zeya and Anwar

Locality: India.

Journal: *Oriental Insects*, 47(2-3): 116-124.

Year: 2013.

Described by: Shahid Bin Zeya and P. Tarique Anwar.

Family: ORMYRIDAE

160. *Ormyrus perseae* Girish Kumar, Sheela and Narendran

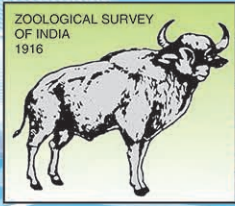
Locality: Assam Agricultural University Campus, Jorhat, Assam, India.

Journal: *Prommalia*, 1: 136-142.

Year: 2013.

Described by: P. Girish Kumar, S. Sheela, T.C. Narendran and Dhanalakhi Gogoi.





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Family: PLATYGASTRIDAE

161. *Allotropa gundlupetensis* Veenakumari, Buhl, Mohanraj and Khan

Locality: India.

Journal: *International Journal of Environmental Studies*, 70(2): 222-231.

Year: 2013.

Described by: K. Veenakumari, P.N. Buhl, P. Mohanraj and F.R. Khan.

162. *Allotropa vanajae* Veenakumari, Buhl, Mohanraj and Khan

Locality: India.

Journal: *International Journal of Environmental Studies*, 70(2): 222-231.

Year: 2013.

Described by: K. Veenakumari, P.N. Buhl, P. Mohanraj and F.R. Khan.

163. *Allotropa nigra* Veenakumari, Buhl, Mohanraj and Khan

Locality: India.

Journal: *International Journal of Environmental Studies*, 70(2): 222-231.

Year: 2013.

Described by: K. Veenakumari, P.N. Buhl, P. Mohanraj and F.R. Khan.

164. *Protelenomus areolatus* Rajmohana

Locality: Firm Base, Namdapha, Arunachal Pradesh, India.

Journal: *Colemania*, 38: 1-7.

Year: 2013.

Described by: K. Rajmohana.

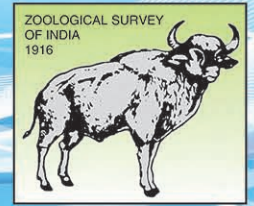




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165. *Telenomus oryzae* Rajmohana

Locality: Moncombu, Alapuzha, Kerala, India.

Journal: *Halteres*, 4: 79-86.

Year: 2013.

Described by: K. Rajmohana and Nisha.



166. *Styloteleia alpha* Rajmohana

Locality: Mariappana Palla, Biligiriranga Hills, Karnataka, India.

Journal: *Biosystematica*, 7(1): 5-9.

Year: 2013.

Described by: K. Rajmohana.



167. *Baeus primitus* Rajmohana

Locality: Bhadra Tiger Reserve, Karnataka, India.

Journal: *Fauna of Bhadra Wildlife Sanctuary and Tiger Reserve, Conservation Area Series*, 46: 11-23.

Year: 2013.

Described by: K. Rajmohana.





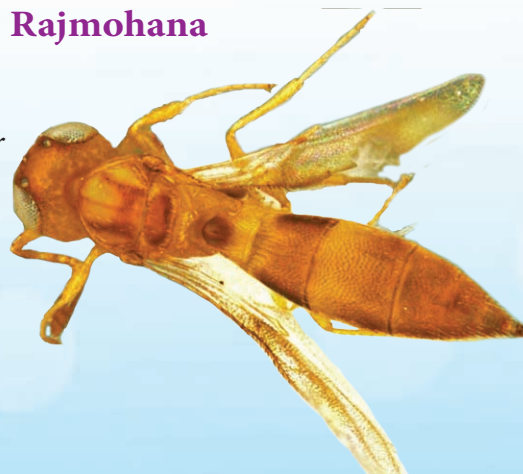
168. *Calotelea laminaris* Rajmohana

Locality: Bhadra Tiger Reserve, Karnataka, India.

Journal: Fauna of Bhadra Wildlife Sanctuary and Tiger Reserve, Conservation Area Series, **46**: 11-23.

Year: 2013.

Described by: K. Rajmohana.



Family: PTEROMALIDAE

169. *Calyconotiscus frontofasciatus* Narendran and Saleem

Locality: Calicut University Campus, Malappuram district, Kerala, India.

Journal: Biosystematica, **6**(1): 5-12.

Year: 2013 (2012).

Described by: T. C. Narendran, U.K.A. Saleem and M. Nasser.



170. *Cleonymus kamijoi* Sureshan and Dhanya

Locality: Mannavanshola National Park, Idukki, Kerala.

Journal: Journal of Threatened Taxa, **5**(11): 4537-4541.

Year: 2013

Described by: P.M. Sureshan and B. Dhanya.

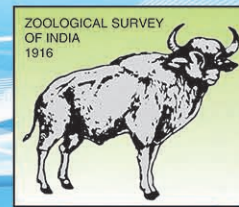




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171. *Diapara nigriscuta* Sureshan

Locality: Deban, Namdapha National Park, Arunachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013.

Described by: P.M. Sureshan.



172. *Diapara thirumalai* Sureshan

Locality: Chakarata, Dehradun district, Uttarakhand, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013.

Described by: P.M. Sureshan.



173. *Diapara debanensis* Sureshan

Locality: Deban, Namdapha National Park, Arunachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013.

Described by: P.M. Sureshan.





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174. *Diapara hayati* Sureshan

Locality: Chittor, Palakkad, Kerala, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013

Described by: P.M. Sureshan.



175. *Diapara venkati* Sureshan

Locality: Bulbulia, Namdapha National Park, Arunachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013.

Described by: P.M. Sureshan.



176. *Diapara nigra* Sureshan

Locality: Haldibari, Namdapha National Park, Arunachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 75-93.

Year: 2013

Described by: P.M. Sureshan.

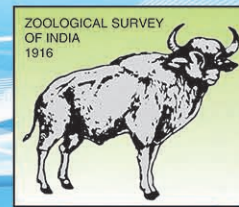




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Animal Discoveries 2013



177. *Gastracanthus indicus* Sureshan and Dhanya

Locality: Firm base Camp, Namdapha National Park, Arunachal Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 31-34.

Year: 2013.

Described by: P.M. Sureshan and B. Dhanya.



178. *Merismomorpha tamilnadensis* Sureshan, Manickavasagam and Dhanya

Locality: Chidambaram, Tamil Nadu, India.

Journal: Hexapoda, **19**(1): 15-21 (published in 2013).

Year: 2013 (2012).

Described by: P.M. Sureshan, S. Manickavasagam and B. Dhanya.



179. *Miscogasteriella bijoyi* Sureshan

Locality: Ranipuram, Kasaragod, Kerala, India.

Journal: J. Entomological Research, **37**(3): 273-276.

Year: 2013.

Described by: P.M. Sureshan and K. Nikhil.





Family: STEPHANIDAE

180. *Foenatopus idukkiensis* Sureshan and Narendran

Locality: Kuttar, Chinnar Wildlife Sanctuary, Idukki district, Kerala, India.

Journal: *J. Threatened Taxa*, 5(9): 4385-4391.

Year: 2013.

Described by: P.M. Sureshan, T.C. Narendran and K. Nikhil.



Family: TETRACAMPIDAE

181. *Epiclerus viridipetiolatus* Narendran

Locality: Aligarh, Uttar Pradesh, India.

Journal: *Journal of Experimental Zoology India*, 16(1): 155-161.

Year: 2013.

Described by: T.C. Narendran, Abhilash Peter, K. Nikhil and M. Minu Mohan.



Family: TORYMIDAE

182. *Podagrion moradabadense* Narendran and Sheela

Locality: Moradabad, Uttar Pradesh, India.

Journal: *Rec. zool. Surv. India*, 113(Part-2): 35-40.

Year: 2013.

Described by: T.C. Narendran and S. Sheela.

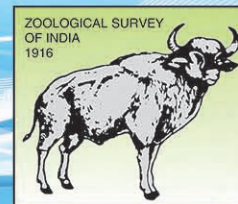




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Family: VESPIDAE

183. *Subancistrocerus venkataramani* Girish Kumar

Locality: Parasnath Hills, Giridih district, Jharkhand, India.

Book: *Animal Diversity, Natural History and Conservation*,
Vol. 2: 53-68.

Year: 2013.

Described by: P. Girish Kumar.



NINETEEN NEW SPECIES OF ARACHNIDA

Class: ARACHNIDA

Order: ORIBATIDA

Family: DAMAEIDAE

184. *Belbodamaeus indicus* Ermilov, Kalu'z and Wu

Locality: India.

Journal: *Biologia*, **68**(6): 1172-1181.

Year: 2013.

Described by: S.G. Ermilov, S. Kalu'z and Donghui Wu.

185. *Epidamaeus parayunnanensis* Ermilov and Kalu'z

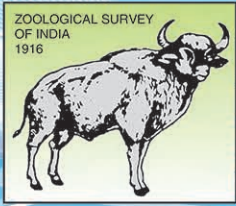
Locality: India.

Journal: *Proceedings of the Zoological Institute RAS*, **317**(2): 176-184.

Year: 2013.

Described by: S.G. Ermilov and S. Kalu'z.





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Family: GALUMNIDAE

186. *Pergalumna paratsurusakii* Ermilov, Shtanchaeva, Kaluz and Sub'ias

Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: *Zootaxa*, **3682**(3): 412-420.

Year: 2013.

Described by: Sergey G. Ermilov, U. Y. Shtanchaeva, S. Kaluz and L.S. Subi'as.

187. *Pergalumna asetosa* Ermilov, Shtanchaeva, Kaluz and Sub'ias

Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: *Zootaxa*, **3682**(3): 412-420

Year: 2013.

Described by: Sergey G. Ermilov, U. Y. Shtanchaeva, S. Kaluz and L.S. Subi'as.

188. *Pergalumna mahunkai* Ermilov, Shtanchaeva, Kaluz and Sub'ias

Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: *Zootaxa*, **3682**(3): 412-420.

Year: 2013.

Described by: Sergey G. Ermilov, U. Y. Shtanchaeva, S. Kaluz and L.S. Subi'as.

Family: GRANULOPPIIDAE

189. *Hammerella* (*Hammerella*) *excisa* Ermilov and Kalu'z

Locality: Maharaniapur, Tripura, India.

Journal: *Zootaxa*, **3670**(4): 482-492.

Year: 2013.

Described by: S.G. Ermilov and S. Kalu'z.

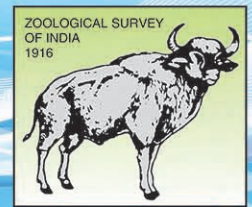




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Family: MALACONOTHRIDAE

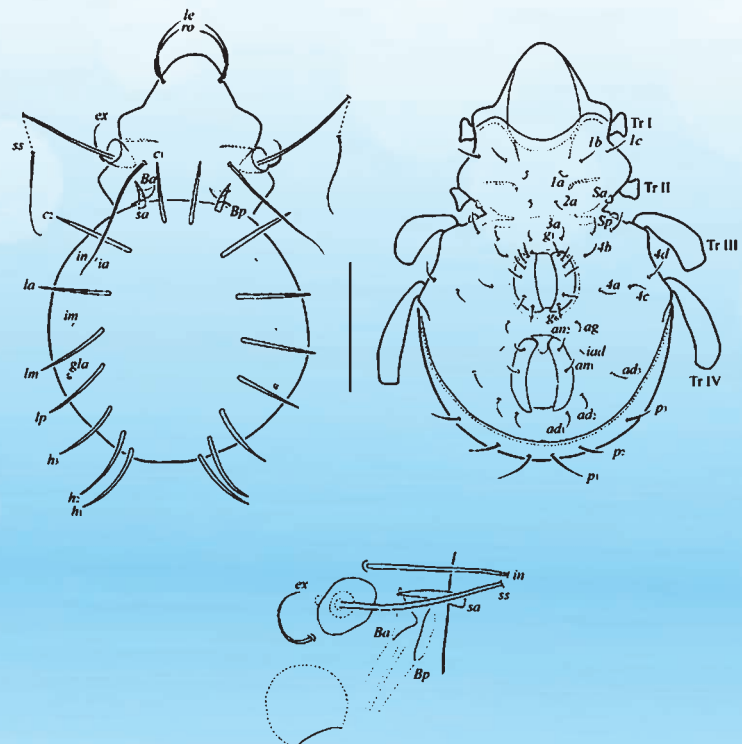
190. *Malaconothrus macrofoveolatus* Ermilov, Kalu'z and Wu

Locality: India.

Journal: *Biologia*, **68**(6): 1172-1181.

Year: 2013.

Described by: S.G. Ermilov,
S. Kalu'z and Donghui Wu.



Family: MESOPLOPHORIDAE

191. *Apoplophora paraspinosa* Niedbala

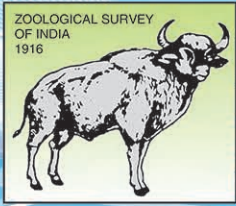
Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: *Zootaxa*, **3731**(4): 577-588.

Year: 2013.

Described by: Wojciech Niedbala and Sergey G. Ermilov.





Family: NOTHRIDAE

192. *Nothrus phylliformis* Ermilov, Kalu'z and Wu

Locality: India.

Journal: *Biologia*, **68**(6): 1172-1181.

Year: 2013.

Described by: S.G. Ermilov, S. Kalu'z and Donghui Wu.

Family: OPPIIDAE

193. *Cycloppia asetosa* Ermilov and Kalu'z

Locality: Assam, India.

Journal: *Zootaxa*, **3670**(4): 482-492.

Year: 2013

Described by: S.G. Ermilov and S. Kalu'z.

194. *Cycloppia spindleformis* Ermilov and Kalu'z

Locality: India.

Journal: *Zootaxa*, **3670**(4): 482-492.

Year: 2013

Described by: S.G. Ermilov and S. Kalu'z.

195. *Taiwanoppia (Taiwanoppia) paraflagellifera* Ermilov and Kalu'z

Locality: India.

Journal: *Proceedings of the Zoological Institute RAS*, **317**(2): 176-184.

Year: 2013.

Described by: S.G. Ermilov and S. Kalu'z.

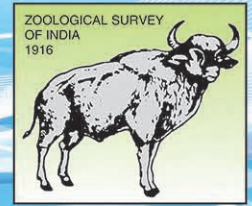




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196. *Separatoppia indica* Ermilov and Pesic'

Locality: East Godavari, Andhra Pradesh, India.

Journal: *Graellsia*, **69**(2): 243-246.

Year: 2013.

Described by: S.G. Ermilov and V. Pesic'.

Family: ORIBOTRITIIDAE

197. *Oribotritia duotrisetosa* Niedbala

Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: *Zootaxa*, **3731**(4): 577-588.

Year: 2013

Described by: Wojciech Niedbala and Sergey G. Ermilov

Family: PARAKALUMMIDAE

198. *Neoribates (Neoribates) ornamentus* Ermilov, Kalu'z and Wu

Locality: Assam, India.

Journal: *International Journal of Acarology*, **39**(5): 408-413.

Year: 2013.

Described by: S.G. Ermilov and S. Kalu'z.

199. *Neoribates (Neoribates) parabarbatus* Ermilov, Kalu'z and Wu

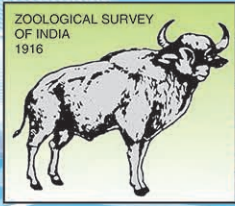
Locality: Assam, India.

Journal: *International Journal of Acarology*, **39**(5): 408-413.

Year: 2013.

Described by: S.G. Ermilov and S. Kalu'z.





Family: PHTHIRACARIDAE

200. *Plonaphacarus kaluzi* Niedbala

Locality: Hunli vicinity, Arunachal Pradesh, India.

Journal: Zootaxa, **3731**(4): 577-588.

Year: 2013.

Described by: Wojciech Niedbala and Sergey G. Ermilov.

Order: PROSTIGMATA

Family: ERIOPHYIDAE

201. *Acreia amrini* Joshi, Menon and Ramamurthy

Locality: IARI, New Delhi, India.

Journal: The Bioscan, **8**(1): 339-342.

Year: 2013.

Described by: S. Joshi, P. Menon and V.V. Ramamurthy.

Order: TROMBIDIFORMES

Family: TORRENTICOLIDAE

202. *Torrenticola episce* Pes'ic, Chatterjee, Das and Bordoloi

Locality: Majuli Island, Assam, India.

Journal: Zootaxa, **3746**(3): 454-462.

Year: 2013.

Described by: V. Pes'ic, T. Chatterjee, M.K. Das and S. Bordoloi.

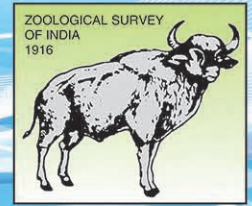




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THREE NEW SPECIES OF CRUSTACEA

Subphylum: CRUSTACEA

Infraorder: BRACHYURA

Family : GECARCINUCIDAE

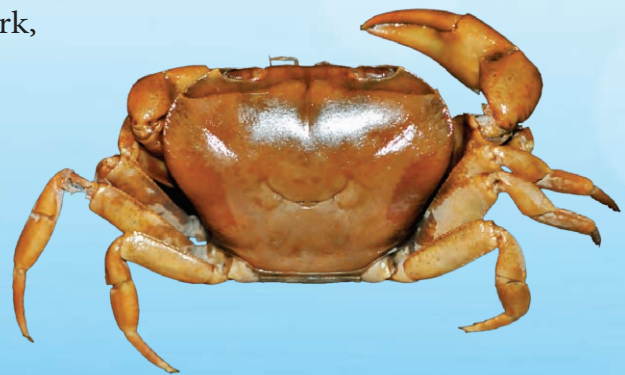
203. *Travancoriana granulata* Pati and Sharma

Locality: Bheemanada, Eravikulam National Park, Idukki district, Kerala, India.

Journal: Zoosyst. Evol., **89**(2): 275–281.

Year: 2013.

Described by: S.K. Pati and R.M. Sharma.



Order: AMPHIPODA

Family: BOGIDIELLIDAE

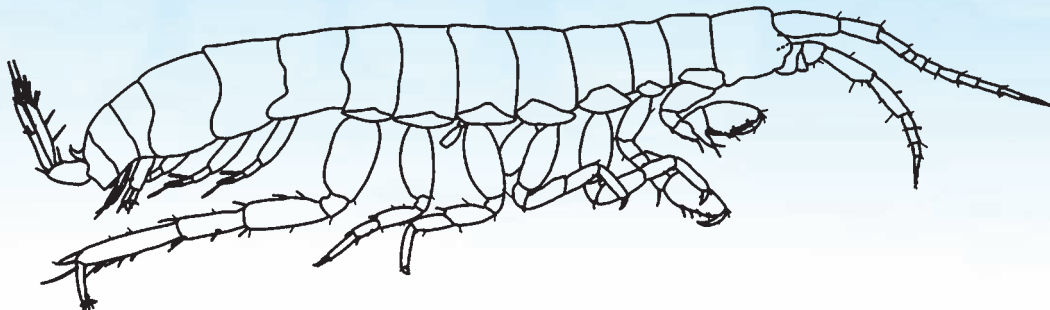
204. *Bogidiella totakura* Senna, Mugnai and Reddy

Locality: Kundranapalli and Kunchanapally, near Vijayawada (Guntur district) and Anikapally (Prakasam district), Andhra Pradesh, India.

Journal: Zoologica, **30**(4): 451–457.

Year: 2013.

Described by: André R. Senna, Ricardo Mugnai and Yenumula Ranga Reddy.





Order: CALONOIDA

Family: DIAPTOMIDAE

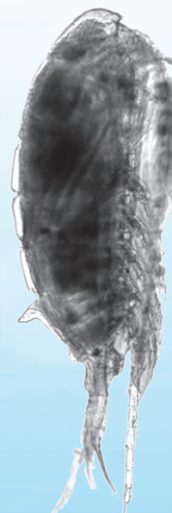
205. *Neodiaptomus prateek* Ranga Reddy

Locality: Deepor Beel, near Guwahati, Assam, India.

Journal: *Journal of Crustacean Biology*, 33(6): 849–865.

Year: 2013.

Described by: Yenumula Ranga Reddy.



THIRTY SIX NEW SPECIES OF PISCES

Phylum: CHORDATA

Class: PISCES

Order: CYPRINIFORMES

Family: BALITORIDAE

206. *Balitora jalpalli* Raghavan, Tharian, Ali, Jadhav and Dahanukar

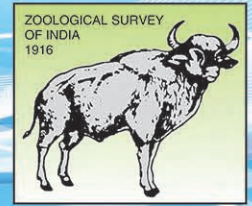
Locality: Valleparathodu, near Poochippara, Kunthipuzha, Silent Valley National Park, Kerala, India.

Journal: *J. Threatened Taxa*, 5(5): 3921–3934.

Year: 2013.

Described by: R. Raghavan, J. Tharian, A. Ali, S. Jadhav and N. Dahanukar.





Family: CYPRINIDAE

207. *Pethia expletiforis* Dishma and Vishwanath

Locality: Ka-ao River, Kaladan drainage, Mizoram, India.

Journal: Zootaxa, 3736(1): 082–088.

Year: 2013.

Described by: Mayanglambam Dishma and Waikhom Vishwanath.



208. *Garra arunachalensis* Nebeshwar and Vishwanath

Locality: Lower Divang valley district: Deopani River at Roing (Brahmaputra basin), Arunachal Pradesh, India.

Journal: Ichthyol. Explor. Freshwaters, 24(2): 97-120.

Year: 2013.

Described by: Kongbrailatpam Nebeshwar and Waikhom Vishwanath.





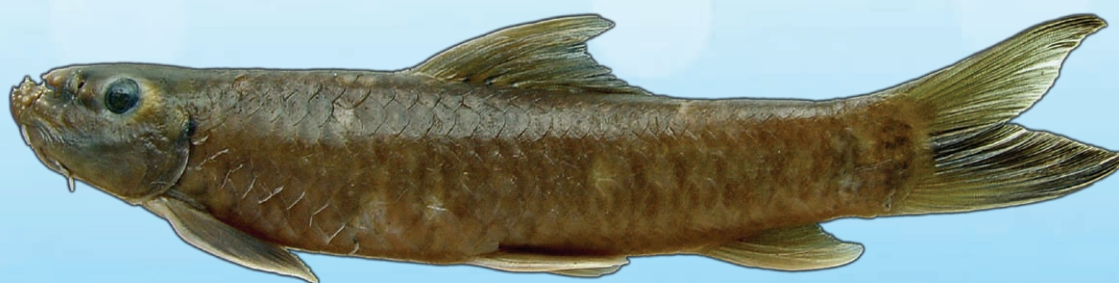
209. *Garra birostris* Nebeshwar and Vishwanath

Locality: Dikrong River at Doimukh, Papum Pare distric, (Brahmaputra basin), Arunachal Pradesh, India.

Journal: *Ichthyol. Explor. Freshwaters*, **24**(2): 97-120.

Year: 2013.

Described by: Kongbrailatpam Nebeshwar and Waikhom Vishwanath.



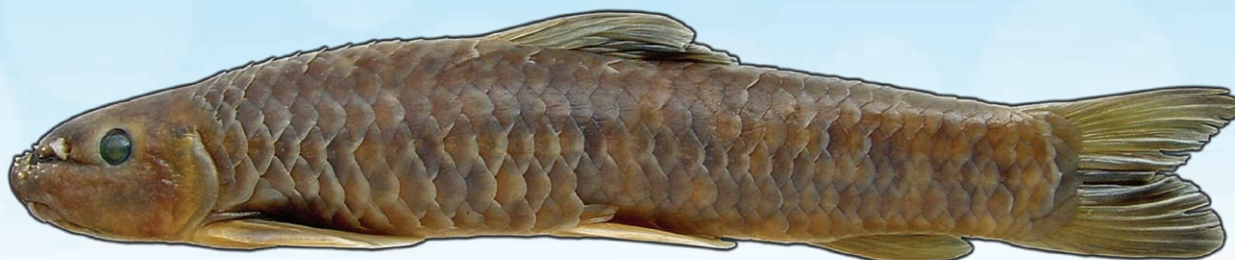
210. *Garra quadratirostris* Nebeshwar and Vishwanath

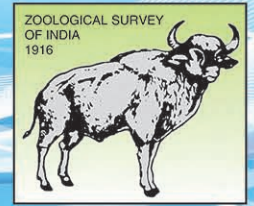
Locality: Tista River at Rangpo (Ganga basin), Sikkim, India.

Journal: *Ichthyol. Explor. Freshwaters*, **24**(2): 97-120.

Year: 2013.

Described by: Kongbrailatpam Nebeshwar and Waikhom Vishwanath.





211. *Garra magnidiscus* Tamang

Locality: Near Bomdo village, Upper Siang district, Arunachal Pradesh, India.

Journal: *Ichthyological Exploration of Freshwaters*, **24**(1): 31-40.

Year: 2013.

Described by: L. Tamang.



212. *Garra dampensis* Lalronunga, Lalnuntluanga and Lalramliana

Locality: Seling river, a tributary of the Khawthlang Tuipui (Karnaphuli River), Mizoram, India.

Journal: *J. Threatened Taxa*, **5**(9): 4368-4377.

Year: 2013.

Described by: S. Lalronunga, Lalnuntluanga and Lalramliana.





213. *Pethia aurea* Knight

Locality: South 24 – Parganas district, West Bengal, India.

Journal: Zootaxa, **3700**(1): 173-184.

Year: 2013.

Described by: J.D. Marcus Knight.



214. *Puntius viridis* Plamoottil and Abraham

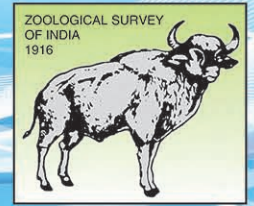
Locality: Kallumkal, Kerala, India.

Journal: Journal of Research in Biology, **3**(7): 1093-1104.

Year: 2013.

Described by: Mathews Plamoottil and Nelson P. Abraham.





Family: NEMACHEILIDAE

215. *Schistura ferruginea* Lokeshwor and Vishwanath

Locality: A small rivulet of the Barak River drainage (Brahmaputra basin) at Maram, Senapati district, Manipur, India.

Journal: Ichthyol. Explor. Freshwaters, 24(1), 49-56.

Year: 2013.

Described by: Yumnam Lokeshwor and Waikhom Vishwanath.



216. *Schistura nebeshwari* Lokeshwor and Vishwanath

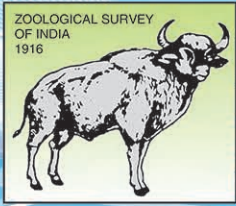
Locality: Koladyne basin, Mizoram, India.

Journal: Zootaxa, 3731(4): 561-576.

Year: 2013.

Described by: Yumnam Lokeshwor and Waikhom Vishwanath.





217. *Schistura scyphovecteta* Lokeshwor and Vishwanath

Locality: Koladyne basin, Mizoram.

Journal: Zootaxa, **3731**(4): 561–576.

Year: 2013.

Described by: Yumnam Lokeshwor and Waikhom Vishwanath.



218. *Schistura paucireticulata* Lokeshwor, Vishwanath and Kosygin

Locality: Tuirial River, Mizoram, India.

Journal: Zootaxa, **3683**(5): 581–588.

Year: 2013.

Described by: Yumnam Lokeshwor, Waikhom Vishwanath and Laishram Kosygin.

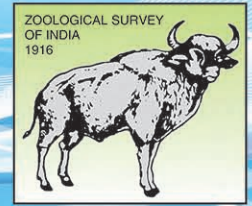




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Animal Discoveries 2013



219. *Schistura porocephala* Lokeshwor and Vishwanath

Locality: A stream that drains into the Mat River (Koladyne basin), India.

Journal: Ichthyol Res. (DOI 10.1007/s10228-012-0325-8).

Year: 2013.

Described by: Yumnam Lokeshwor and Waikhom Vishwanath.



220. *Schistura maculosa* Lalronunga, Lalnuntluanga and Lalramliana

Locality: Tuingo and Pharsih Rivers, tributaries of Tuivai River (Barak drainage) in Mizoram, India.

Journal: Zootaxa, 3718(6): 583-590.

Year: 2013.

Described by: Samuel Lalronunga, Lalnuntluanga and Lalramliana.

Family: PSILORHYNCHIDAE

221. *Psilorhynchus chakpiensis* Shangningam and Vishwanath

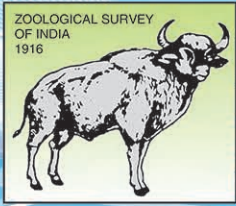
Locality: Chakpi River, Chindwin basin in Manipur, India.

Journal: Zootaxa, 3694(4): 381-390.

Year: 2013.

Described by: Bungdon Shangningam and Waikhom Vishwanath.





222. *Psilorhynchus maculatus* Shangningam and Vishwanath

Locality: Challou River, Chindwin basin in Manipur, India.

Journal: *Ichthyol. Explor. Freshwaters*, **24**(1): 57-62.

Year: 2013.

Described by: Bungdon Shangningam and Waikhom Vishwanath.



223. *Psilorhynchus ngathanu* Shangningam and Vishwanath

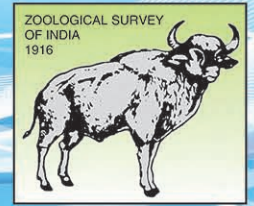
Locality: Dutah River, Chindwin Basin, Manipur, India.

Journal: *Ichthyol Res.* (DOI 10.1007/s10228-013-0368-5).

Year: 2013.

Described by: Bungdon Shangningam and Waikhom Vishwanath.





Family: SISORIDAE

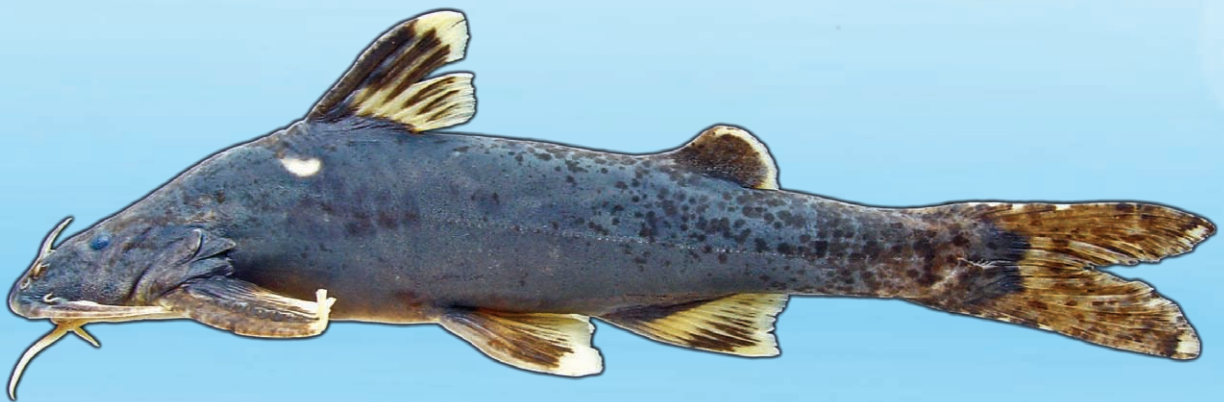
224. *Glyptothorax pantherinus* Anganthoibi and Vishwanath

Locality: Noa Dehing River, Arunachal Pradesh, India.

Journal: *Ichthyol Res* (DOI 10.1007/s10228-012-0328-5).

Year: 2013.

Described by: Nongmaithem Anganthoibi and Waikhom Vishwanath.



225. *Pseudolaguvia nubila* Hee Ng, Lalramliana, Lalronunga and Lalnuntluanga

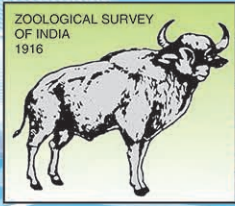
Locality: Kaladan River drainage in Mizoram, India.

Journal: *Zootaxa*, **3647**(4): 518-526.

Year: 2013.

Described by: Heek Hee Ng, Lalramliana, Samuel Lalronunga and Lalnuntluanga.





Order: PECIFORMIS

Family: BADIDAE

226. *Dario kaja* Britz and Kullander

Locality: Seinphoh stream at Umolong, 7 km from Jiwai town, , Jaintia Hills, Meghalaya, India.

Journal: Zootaxa, **3731**(3): 331-337.

Year: 2013.

Described by: R. Britz and S. O. Kullander.

Order: PLEURONECTIFORMES

Family: SOLEIDAE

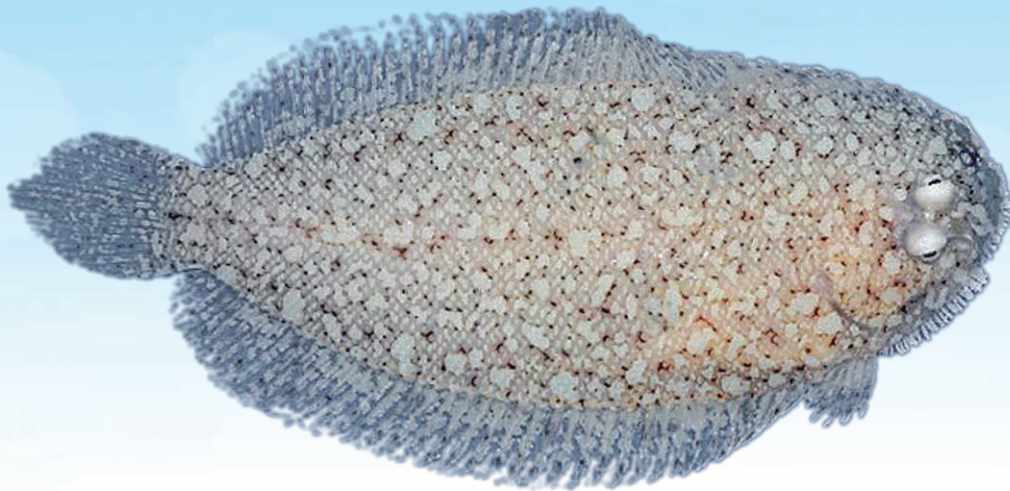
227. *Aseraggodes martine* Randall and Bogorodsky

Locality: Lakshadweep (Laccadive Islands), Andrott Island, lagoon, sand bottom, India.

Journal: Journal of the Ocean Science Foundation, **8**: 1-17.

Year: 2013.

Described by: J.E. Randall and S. V. Bogorodsky.

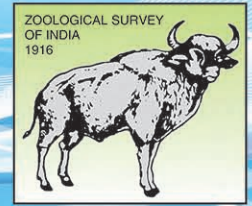




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Animal Discoveries 2013



Family: CHANNIDAE

228. *Channa andrao* Britz

Locality: Lefraguri swamp, Jalpaiguri district, West Bengal, India.

Journal: Zootaxa, **3731**(2): 287-294.

Year: 2013.

Described by: R. Britz.



Family: HAPALOGENYIDAE

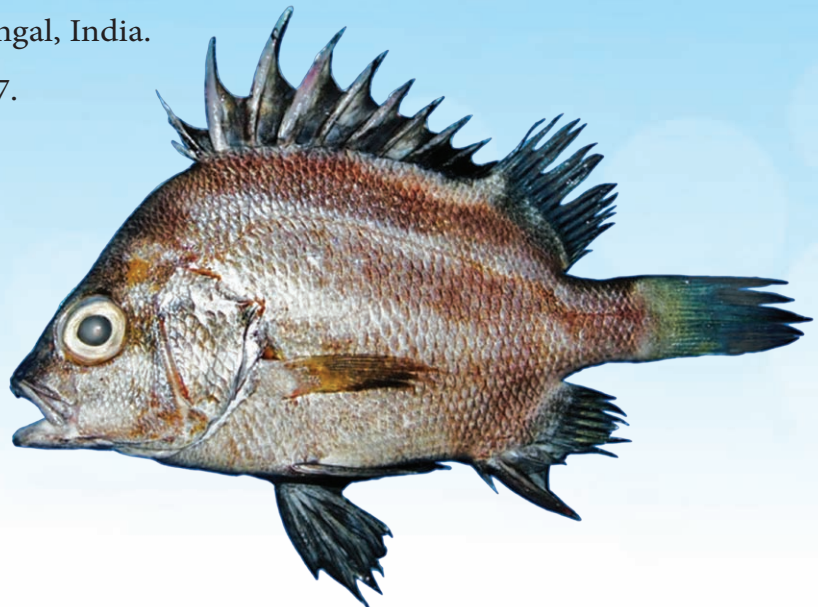
229. *Hapalogenys bengalensis* Mohapatra, Ray and Kumar

Locality: Digha, Mohana, West Bengal, India.

Journal: Zootaxa, **3718**(4): 367-377.

Year: 2013.

Described by: Anil Mohapatra,
Dipanjan Ray and Vikas Kumar.





Family: NEMIPTERIDAE

230. *Scolopsis igcarensis* Mishra, Biswas, Russell, Satapathy and Selvanayagam

Locality: Kalpakkam, Tamil Nadu, India.

Journal: Zootaxa, **3609**(4): 443-449.

Year: 2013.

Described by: S.S. Mishra,
S. Biswas, B.C. Russell,
K.K. Satapathy and
M. Selvanayagam.



Family: SERRANIDAE

231. *Chelidoperca maculicauda* Bineesh and Akhilesh

Locality: Off Kollam, Kerala coast, India, southeastern Arabian Sea.

Journal: Aqua, International Journal of Ichthyology, **19**(2): 71-78.

Year: 2013.

Described by: K.K. Bineesh, K.V. Akhilesh, E.M. Abdussamad and N.G.K. Pillai.

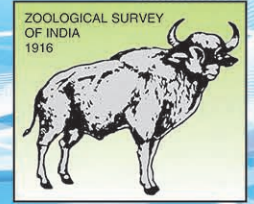




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Animal Discoveries 2013



Family: SPARIDAE

232. *Acanthopagrus arabicus* Iwatsuki

Locality: Coasts of Iran and Pakistan, and western coast of India.

Journal: *Journal of Fish Biology*, 83(1): 64-95.

Year: 2013.

Described by: Y. Iwatsuki.

Order: SILURIFORMES

Family: BAGRIDAE

233. *Horabagrus melanosoma* Plamoottil and Abraham

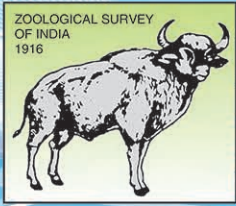
Locality: West Venpala, Manimala River, Kerala, India.

Journal: *International Journal of Pure and Applied Zoology*, 1(4): 280-288.

Year: 2013.

Described by: Mathews Plamoottil and Nelson P. Abraham.





234. *Mystus menoni* Plamoottil and Abraham

Locality: Elankadu, Idukki, Kerala, India.

Journal: International Journal of Pure and Applied Zoology, 1(4): 315-325.

Year: 2013.

Described by: Mathews Plamoottil and Nelson P. Abraham.



235. *Mystus indicus* Plamoottil and Abraham

Locality: Kuttoor, Manimala River, Kerala, India.

Journal: Biosystematica, 7(1): 43-58.

Year: 2013.

Described by: Mathews Plamoottil and Nelson P. Abraham.

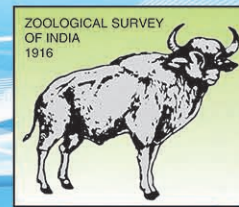




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236. *Mystus heoki* Plamoottil and Abraham

Locality: Elankadu, Idukki, Kerala, India.

Journal: *Biosystematica*, 7(1): 43-58.

Year: 2013.

Described by: Mathews Plamoottil and Nelson P. Abraham.



Family: OLYRIDAE

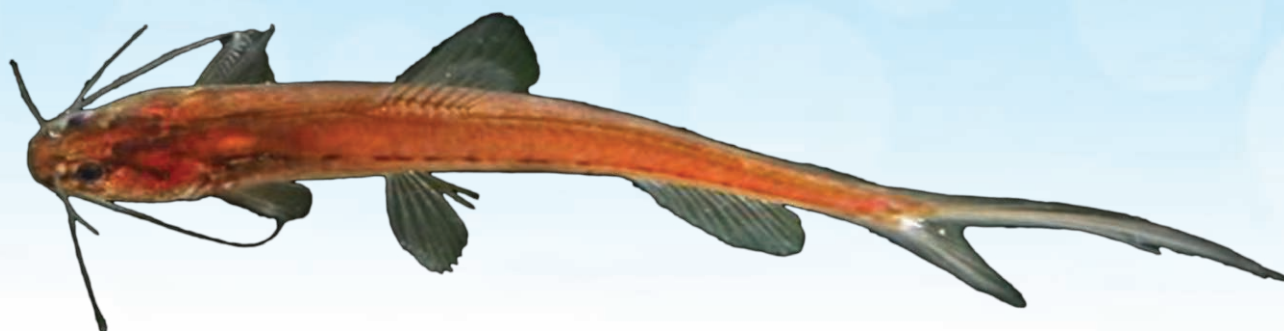
237. *Olyra astrifera* Arunachalam, Raja, Mayden and Chandran

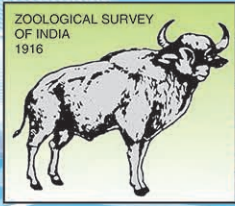
Locality: Manimalai River at Kottangal village, 20 km from Mundakayam, Kerala, India.

Journal: *International Journal of Zoology and Research*, 3(2): 51-60.

Year: 2013.

Described by: M. Arunachalam, M. Raja, R. L. Mayden and A. Chandran.





Family: SILURIDAE

238. *Ompok karunkodu* Hee Ng

Locality: Amaravathi River in the vicinity of Amaravathi Dam, Tamil Nadu, India.

Journal: Zootaxa, **3694**(2): 161-166.

Year: 2013.

Described by: Heok Hee Ng.

Family: SISORIDAE

239. *Glyptothorax radiolus* Hee Ng and Lalramliana

Locality: Raidak River drainage, a right-bank tributary of the Brahmaputra River, in West Bengal, India.

Journal: Zootaxa, **3682**(4): 501-512.

Year: 2013.

Described by: Heok Hee Ng and Lalramliana.

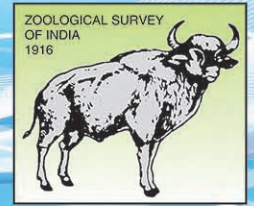




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Animal Discoveries 2013



240. *Glyptothorax elankadensis* Plamoottil and Abraham

Locality: Elanksdu, Manimala River, Kerala, India.

Journal: *Biosystematica*, **6**(2): 17-25.

Year: 2013.

Described by: M. Plamoottil and N. P. Abraham

241. *Pseudolaguvia lapillicola* Britz, Ali and Raghavan

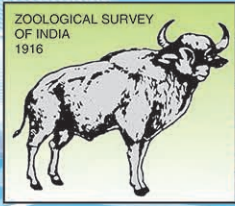
Locality: Subramanya, Kumaradhara river, Karnataka, India.

Journal: *Ichthyological Exploration of Freshwaters*, **23**(4): 289-295.

Year: 2013 (2012).

Described by: Britz, R. , A. Ali and R. Raghavan.





FIVE NEW SPECIES OF AMPHIBIA

Class: AMPHIBIA

Order: ANURA

Family: MEGOPHRYIDAE

242. *Megophrys vegrandis* Mahony, Teeling and Biju

Locality: Arunachal Pradesh, India.

Journal: Zootaxa, **3722**(2): 143-169.

Year: 2013.

Described by: Stephen Mahony, Emma C. Teeling and S. D. Biju.

243. *Megophrys anrae* Mahony, Teeling and Biju

Locality: Arunachal Pradesh, India.

Journal: Zootaxa, **3722**(2): 143-169.

Year: 2013.

Described by: Stephen Mahony, Emma C. Teeling and S. D. Biju.

244. *Megophrys oropedion* Mahony, Teeling and Biju

Locality: Shillong, Meghalaya, India.

Journal: Zootaxa, **3722**(2): 143-169.

Year: 2013.

Described by: Stephen Mahony, Emma C. Teeling and S. D. Biju.

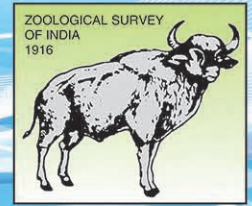




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Animal Discoveries 2013



Family: RHACOPHORIDAE

245. *Raorchestes ghatei* Padhye, Sayyed, Anushree and Dahanukar

Locality: Chalkewadi. Kaas, Thoseghar, Jaichiwadi, Dongarwadi and Taleghar, Maharashtra, India.

Journal: *J. Threatened Taxa*, 5(15): 4913–4931.

Year: 2013.

Described by: Anand D. Padhye, Amit Sayyed, Anushree Jadhav and Neelesh Dahanukar.



Order: GYMNOPTERON

Family: INDOTYPHLIDAE

246. *Gegeneophis orientalis* Agarwal, Wilkinson, Mohapatra, Dutta, Giri and Gower

Locality: Eastern Ghats, India.

Journal: *Zootaxa*, 3696(4): 534-546.

Year: 2013.

Described by: I. Agarwal, M. Wilkinson, P.P. Mohapatra, S.K. Dutta, V.B. Giri and D.J. Gower.





TWO NEW SPECIES OF REPTILES

Class: REPTILIA

Order: SQUAMATA

Family: COLUBRIDAE

247. *Boiga flaviviridis* Vogel and Ganesh

Locality: Berhampore, Odisha, India.

Journal: Zootaxa, **3637**(2): 158-168.

Year: 2013.

Described by: G. Vogel and S.R. Ganesh.

Family: UROPELTIDAE

248. *Rhinophis goweri* Aengals and Ganesh

Locality: Noolathu Kombai, Bodamalai hills, Tamil Nadu, India.

Journal: Russian Journal of Herpetology, **20**(1): 61-65.

Year: 2013.

Described by: R. Aengals and S. R. Ganesh.

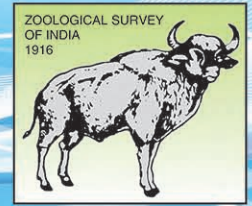




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Animal Discoveries 2013



NEW RECORDS

EIGHT NEW RECORDS OF CORALS

Phylum: CNIDARIA

Class: ANTHOZOA

Order: SCLERACTINIA

Family: EUPHYLLIDAE

1. *Euphyllia paraglabrescens* Veron, 1990

Locality: Kardip of Camorta Island, Nicobar, India.

Journal: Research Journal of Science and Technology, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.

Previous distribution: Indonesia, Japan, Malaysia, Papua New Guinea and Philippines.



2. *Catalaphyllia jardinei* (Saville-Kent, 1893)

Locality: Kardip of Camorta Island, Nicobar, India.

Journal: Research Journal of Science and Technology, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.





Previous distribution: Australia, Fiji, Indonesia, Japan, Madagascar, Malaysia, Maldives, Papua New Guinea, Philippines, Seychelles and Vietnam.

Family: PORITIDAE

3. *Alveopora allingi* Hoeffmeister, 1925

Locality: Kardip of Camorta Island, Nicobar, India.

Journal: *Research Journal of Science and Technology*, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.

Previous distribution: American Samoa, Australia, British Indian Ocean Territory, China, French Polynesia, Hong Kong SAR, Indonesia, Israel, Japan, Jordan, Kenya, Madagascar, Malaysia, Maldives, Marshall Islands, Mauritius, Mozambique, Norfolk Island, Papua New Guinea, Philippines, Réunion, Samoa, Saudi Arabia, Seychelles, Singapore, South Africa, Thailand and Vietnam.

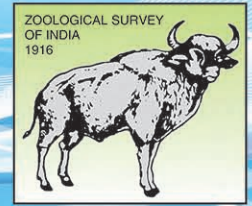




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Animal Discoveries 2013



4. *Alveopora gigas* Veron, 1985

Locality: Kardip of Camorta Island, Nicobar, India.

Journal: *Research Journal of Science and Technology*, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.

Previous distribution: Australia, China, Indonesia, Malaysia, Papua New Guinea, Philippines, Taiwan and Province of China.



Family: ACROPORIDAE

5. *Acropora crateriformis* (Gardiner, 1898)

Locality: Trinket Island, India.

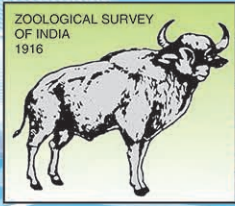
Journal: *Research Journal of Science and Technology*, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.

Previous distribution: American Samoa, Indonesia, Irian Jaya, New Caledonia, Tuvalu and Vanuatu.





Family: FAVIIDAE

6. *Favia marshae* Veron, 2000

Locality: Trinket Island, India.

Journal: Research Journal of Science and Technology, 5(4): 426-432.

Year: 2013.

Recorded by: Tamal Mondal, C. Raghunathan and K. Venkataraman.

Previous distribution: Australia, Christmas Island, Cocos (Keeling) Islands, Indonesia, Japan, Malaysia, Micronesia, Federated States of Northern Mariana Islands, Palau, Papua New Guinea, Philippines, Singapore, Solomon Islands, Thailand.



Family: FUNGIIDAE

7. *Halomitra clavator* Höksema, 1989

Locality: South Button Island, India.

Journal: Biosystematica, 6(2): 27-30.

Year: 2013.

Recorded by: Tamal Mondal and C. Raghunathan.

Previous distribution: Indonesia, Japan, Micronesia (Federated States of), Papua New Guinea, Philippines and Solomon Islands.

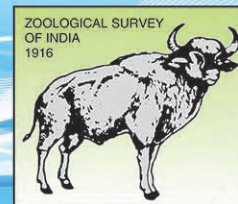




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Animal Discoveries 2013



Family: AGARICIIDAE

8. *Agaricia grahamae* Wells, 1973

Locality: Henry Lawrence Island, India.

Journal: *Biosystematica*, **6**(2): 27-30.

Year: 2013.

Recorded by: Tamal Mondal and C. Raghunathan.

Previous distribution: Belize, Brazil, Cayman Islands, Colombia, Dominican Republic, Guadeloupe, Honduras, Jamaica, Mexico, Netherlands Antilles, Panama and Puerto Rico.



TWO NEW RECORDS OF NEMATODA

Order: DORYLAIMIDAE

Family: APORCELAIMIDAE

9. *Aporcelaimellus amazonicus* Andrassy, 2004

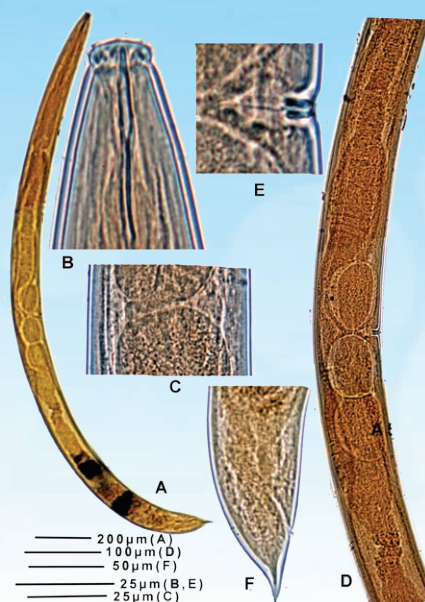
Locality: Kaugachi, N-24 Parganas district, West Bengal, India.

Journal: *Rec. zool. Surv. India*, **113**(Part-3):11-40.

Year: 2013.

Recorded by: Payal Dattaray, Viswa Venkat Gantait, Subhadeep Roy and Buddhadeb Manna.

Previous distribution: Brazil.





Animal Discoveries 2013



10. *Aporcelaimellus obtusicaudatus* (Bastian, 1865)

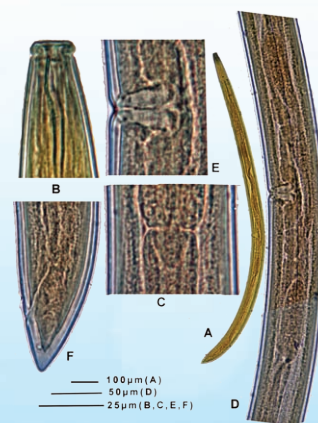
Locality: Hridaypur, N-24 Parganas district, West Bengal, India.

Journal: Rec. zool. Surv. India, **113**(Part-3):11–40.

Year: 2013.

Recorded by: Payal Dattaray, Viswa Venkat Gantait, Subhadeep Roy and Buddhadeb Manna.

Previous distribution: Africa, Cost Rica, Sevilla and Pakistan.



FOURTEEN NEW RECORDS OF INSECTS

Phylum: ARTHROPODA

Class: INSECTA

Order: ODONATA

Suborder: ANISOPTERA

Family: AESHNIDAE

11. *Anax panybeus* Hagen, 1867

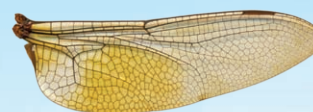
Locality: Great Nicobar Islands, India.

Journal: J. Threatened Taxa, 5(2): 3682-3683.

Year: 2013.

Recorded by: T.R. Mitra, R. Babu and K.A. Subramanian.

Previous distribution: Distributed widely in Brunei Darussalam, Cambodia, Indonesia, Japan, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Taiwan, Thailand and Timor-Leste.

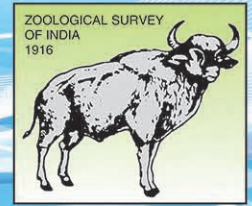




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Order: ORTHOPTERA

Family: ACRIDIDAE

12. *Acrida turrita* (Linnaeus, 1758)

Locality: Devgaon and Bhimbhori nala, Barnawapare Wildlife Sanctuary, Raipur district, Chhatisgarh.

Journal: Uttar Pradesh J. Zoology, **33**(3): 221-248.

Year: 2013.

Recorded by: S.K. Gupta and Kailash Chandra.

Previous distribution: Africa, Asia and South Europe.

Order: BLATTODEA (ISOPTERA)

TERMITIDAE

13. *Hospitalitermes monoceros* (Konig, 1779)

Locality: Chinnar Wildlife Sanctuary, Idukky district, Kerala, India.

Journal: Halteres, **4**: 48-52.

Year: 2013.

Recorded by: Amina Poovoli, K. Rajmohana, C. Bijoy, C. Radhakrishnan and Nivedita Saha.

Previous distribution: Sri Lanka.





Order: HEMIPTERA

Family: PENTATOMIDAE

14. *Eurysaspis flavescens* Distant

Locality: Pune, Maharashtra, India.

Journal: *Prommalia*, **1**: 45-48.

Year: 2013.

Recorded by: H.V. Ghate.

Previous distribution: China.



Family: REDUVIIDAE

15. *Bardesanes signatus* Distant

Locality: Totladoh, Pench Tiger Reserve, Chhindwara, Madhya Pradesh, India.

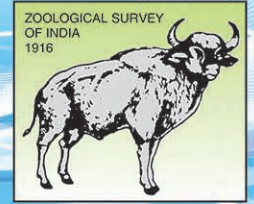
Journal: *Rec. zool. Surv. India*, **113**(Part-1): 141-144.

Year: 2013.

Recorded by: Kailash Chandra, Sandeep Kushwaha, B. Biswas, Paramita Mukherjee and Animesh Bal.

Previous distribution: Myanmar.





Family: PYRRHOCORIDAE

16. *Courtesius illuminates* Distant

Locality: Dharampur, Solan district, Himachal Pradesh, India.

Journal: *Biolife*, 1(3): 93-94.

Year: 2013.

Recorded by: M.E. Hassan, B. Biswas and K. Praveen.

Previous distribution: Myanmar.



Family: LYGAEIDAE

17. *Usilanus burmanicus* Distant

Locality: Rangat, South Andaman, Andaman and Nicobar Islands, India.

Journal: *Journal of Andaman science and association*, 18(1): 121-122.

Year: 2013.

Recorded by: Kailash Chandra, Sandeep Kushwaha and B. Biswas.

Previous distribution: Myanmar and China.





Animal Discoveries 2013



Suborder: HETEROPTERA

Infraorder: NEPOMORPHA

Family: NOTONECTIDAE

18. *Anisops occipitalis* Breddin, 1905

Locality: Johinder Nagar, GNBR, Nicobar, India.

Journal: Rec. zool. Surv. India, **113**(Part-2): 55-59.

Year: 2013.

Recorded by: E. Eyarin Jehamalar and Kailash Chandra.

Previous distribution: Australia, China, Indonesia, Japan, Malaysia, New Caledonia, Philippines, Singapore and Taiwan.

Order: COLEOPTERA

Family: CERAMBYCIDAE

19. *Purpuricenus temminckii* Guérin-Méneville, 1844

Locality: Ziro, Lower Subansiri district, Arunachal Pradesh, India.

Journal: Taprobanica, 5(1): 75-76.

Year: 2013.

Recorded by: H.V. Ghate and Bulganin Mitra.

Previous distribution: Japan, China, Taiwan, Laos and USA.

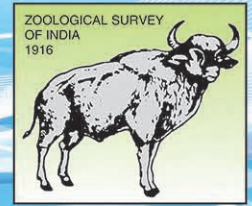




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Animal Discoveries 2013



Order: TRICHOPTERA

Family: ECNOMIDAE

20. *Lepidostoma liber* Malicky, 2007

Locality: Loomla, Arunachal Pradesh, India.

Journal: Turkish Journal of Zoology, 37: 768-772.

Year: 2013.

Recorded by: Sajad Hussain Parey and Malkiat Singh Saini.

Previous distribution: Bhutan.

21. *Lepidostoma simplex* Kimmins, 1964

Locality: Pithoragarh, Uttarakhand, India.

Journal: Turkish Journal of Zoology, 37: 768-772.

Year: 2013.

Recorded by: Sajad Hussain Parey and Malkiat Singh Saini.

Previous distribution: Nepal, Bhutan.

Order: LEPIDOPTERA

Family: ARCTIIDAE

22. *Pareuchaetes pseudoinsulata* Rego Barrows

Locality: Gudalur and Coonoor, Tamil Nadu; Vadasserikkara, Agali, Vithura, Vallakadavu, Chendruni, Parambikulam, Rani, Kerala, India.

Journal: Rec. zool. Surv. India, 113(Part-1): 137-140.

Year: 2013.

Recorded by: Navneet Singh and Jagbir Singh.

Previous distribution: Venezuela, Trinidad, Sri Lanka, Borneo, Palawan and Guam.





23. *Olepa duboisi* Orhant

Locality: Agali, Kerala, India.

Journal: Rec. zool. Surv. India, **113**(Part-1): 137-140.

Year: 2013.

Recorded by: Navneet Singh and Jagbir Singh.

Previous distribution: Sri Lanka.



24. *Macotasa orientalis* (Hampson)

Locality: Bhagmandala and Kulagi, Karnataka, India.

Journal: Rec. zool. Surv. India, **113** (Part-1): 137-140.

Year: 2013.

Recorded by: Navneet Singh and Jagbir Singh.

Previous distribution: Myanmar, Malaysia and Borneo.



25. *Poliosia binotata* (Hampson)

Locality: Kulagi, Karnataka, India.

Journal: Rec. zool. Surv. India, **113** (Part-1): 137-140.

Year: 2013.

Recorded by: Navneet Singh and Jagbir Singh.

Previous distribution: Sri Lanka.

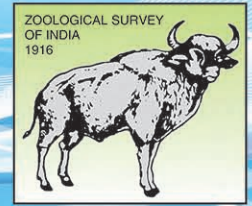




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Animal Discoveries 2013



Order: HYMENOPTERA

Family: FORMICIDAE

26. *Strumigenys hemisobek* (Bolton)

Locality: Silent valley, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Recorded by: H. Bharti and S.A. Akbar.

Previous distribution: Nepal.



27. *Strumigenys mitis* (Brown)

Locality: Silent valley, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Recorded by: H. Bharti and S.A. Akbar.

Previous distribution: Brunei, Darussalam, Indonesia, Malaysia, New Guinea, Philippines, Thailand, Vietnam, China.



28. *Strumigenys mutica* (Brown)

Locality: Silent valley, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Recorded by: H. Bharti and S.A. Akbar.

Previous distribution: Borneo, Indonesia, Malaysia, Singapore, China, Japan, Republic of Korea.





29. *Strumigenys nannosobek* (Bolton)

Locality: Periyar Tiger Reserve, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Recorded by: H. Bharti S.A. Akbar.

Previous distribution: Bhutan.



30. *Strumigenys rogeri* Emery

Locality: Silent valley, Kerala, India.

Journal: Sociobiology, **60**(4): 387-396.

Year: 2013.

Recorded by: H. Bharti and S.A. Akbar.

Previous distribution: Angola, Burundi, Cameroun, Comoros, Gabon, Ghana, Ivory Coast, Nigeria, Tanzania, New Caledonia, Borneo, Fiji, Indonesia, Malaysia, Marshall Islands, Micronesia (Federated States of), New Guinea, Niue, Northern Mariana Islands, Philippines, Samoa, Solomon Islands, Tonga, Vanuatu, Wallis and Futuna Islands. Madagascar, Mauritius, Mayotte, Réunion, Seychelles, Canada, United States, Barbados, British Virgin Islands, Costa Rica, Cuba, Dominican Republic, Greater Antilles, Haiti, Honduras, Lesser Antilles, Mexico, Puerto Rico, Saint Lucia, United Kingdom of Great Britain and Northern Ireland.



Family: PTEROMALIDAE

31. *Trigonoderus pulcher* Walker

Locality: Eravikulam hut area, Eravikulam National Park, Idukki, Kerala, India.

Journal: J. Threatened Taxa, **5**(11): 4537-4541.

Year: 2013.

Recorded by: P. M. Sureshan and Dhanya Balan.

Previous distribution: Japan, Europe.

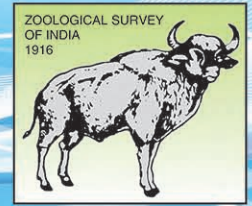




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ONE NEW RECORD OF ARACHNIDA

Order: ARANEAE

Family: THERIDIIDAE

32. Nesticodes rufipes (Lucas, 1846)

Locality: Bibhuti Bhusan Wildlife Sanctuary, Parmadan, Bongaon, N-24 Parganas, West Bengal, India.

Journal: Rec. zool. Surv. India, **113**(Part-3): 41-47

Year: 2013.

Recorded by: S. Talukdar and A.K. Sanyal.

Previous distribution:



ONE NEW RECORD OF CRUSTACEA

Superclass: CRUSTACEA

Class: MALACOSTRACA

Order: DECAPODA

Family: DIOGENIDAE

33. Paguristes miyakei Forest and Mclaughlin, 1998

Locality: Sakthikulangara, Kollam district, Kerala.

Journal: Rec. zool. Surv. India, **113** (Part-1): 197-201.

Year: 2013.





Recorded by: R. Reshmi and A. Bijukumar.

Previous distribution: Japan, Taiwan and northern-western Australia.

NINE NEW RECORDS OF MOLLUSCA

Phylum: MOLLUSCA

Class: BIVALVIA

Family: CLAVAGELLIDAE

34. *Brechites penis* (Linnaeus, 1758)

Locality: Palk Bay landing centre at Mandapam.

Journal: *J. Threatened Taxa*, 5(12): 4679-4681.

Year: 2013.

Recorded by: Deepak Samuel, Vijay Kumar, Thangaiyan Anbalagan, Manickam Nithyanandan and Naveen Namboothri.

Previous distribution: Indo- Pacific.

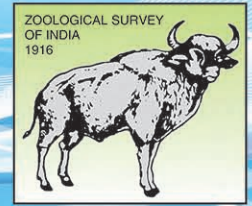




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Family: NOETIDAE

35. *Congetia chesneyi* (Oliver and Chesneyi)

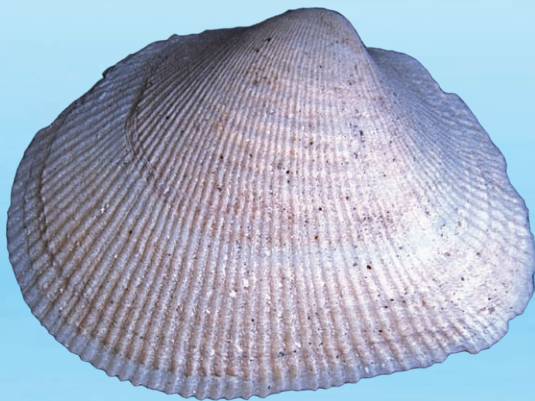
Locality: Adatara beach near Okha, Gujarat Coast, India.

Journal: Rec. zool. Surv. India, **113**(Part-2): 137-139.

Year: 2013.

Recorded by: Basudev Tripathy, Abhijna Ghosh, Poulami Paul and Amit Kumar Mukhopadhyay.

Previous distribution: Arabian Sea: North West Gulf.



Family: NUCULIDAE

36. *Nucula consentanea* Melvill and Standen

Locality: Kathiawar, Gujarat, India.

Journal: Rec. zool. Surv. India, **113**(Part-2): 137-139.

Year: 2013.

Recorded by: Basudev Tripathy, Abhijna Ghosh, Poulami Paul and Amit Kumar Mukhopadhyay.

Previous distribution: Gulf of Oman.





Family: VENERIDAE

37. *Periglypta albocancellata* (Huber)

Locality: Adatara beach near Okha, Pirotan Island, Gulf of Kutchch, Gujarat Coast and Gangolli fishing harbour, Karnataka.

Journal: Rec. zool. Surv. India, **113**(Part-2): 137-139.

Year: 2013.

Recorded by: Basudev Tripathy, Abhijna Ghosh, Poulami Paul and Amit Kumar Mukhopadhyay.

Previous distribution: Arabian sea: North West Gulf, South Eastern Gulf, Gulf of Oman, Southern Oman.



Class: GASTROPODA

Family: BUCCINIDAE

38. *Pisania (Jeannea) gracilis* (Sowerby)

Locality: Dwaraka beach, Gujarat, India.

Journal: J. Environ. and Sociobiol., **10**(2) :217-218.

Year: 2013.

Recorded by: A. Ghosh and A. Mukhopadhyay.

Previous distribution: Australia.

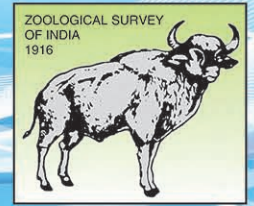




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Family: NATICIDAE

39. *Polinices (Lunatia) catena* (de Costa)

Locality: Surya Lanka beach near Kakinada, Andhra Pradesh, India.

Journal: Rec. zool. Surv. India, **113**(Part-3): 151-154.

Year: 2013.

Recorded by: A. K. Mukhopadhyay, A. K. Sharma and Ramakrishna.

Previous distribution: N. W. Europe, Mediterranean Sea.



40. *Polinices (Mammilla) fibrosa* (Gray)

Locality: Tuticorin fishing harbour, Tamil Nadu, India.

Journal: Rec. zool. Surv. India, **113**(Part-3): 151-154.

Year: 2013.

Recorded by: A.K. Mukhopadhyay, A.K. Sharma and Ramakrishna.

Previous distribution: Indonesia, Philippines, Papua New Guinea, Suva, Fiji and Pago Pago, Samoa, Japan, Australia.





41. *Natica stellata* Hedley

Locality: Chinna mutton fish harbour near Kanniyakumari, Tamil Nadu, India.

Journal: *Rec. zool. Surv. India*, **113**(Part-3): 151-154.

Year: 2013.

Recorded by: A. K. Mukhopadhyay, A. K. Sharma and Ramakrishna.

Previous distribution: Indo-Pacific.



Family: PLEUROBRANCHIDAE

42. *Pleurobranchus forskalii* (Ruppell and Leuckart, 1828)

Locality: Gulf of Mannar Marine Biosphere Reserve, Southern India.

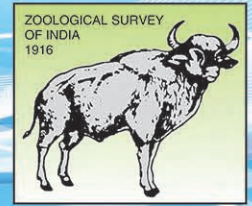
Journal: *Global Journal of Bio-Science and Biotechnology*, **2**(3): 456-457.

Year: 2013.

Recorded by: S. Shrinivaasu, K. Venkataraman, C. Venkatraman and B. Manikandan.

Previous distribution: Red Sea.





ELEVEN NEW RECORDS OF FISH

Class: ACTINOPTERYGII

Order: LOPHIIFORMES

Family: OGCOCEPHALIDAE

43. *Halieutopsis stellifera* (Smith and Radcliffe, 1912)

Locality: Andamans, India.

Journal: Marine Biodiversity Records, v 6: e84 (3 pages).

Year: 2013.

Recorded by: M.P. Rajesh Kumar, Jacob Vinu, Cubelio Sherine Sonia, K.J. Jayalakshmi and V.N. Sanjeevan.

Previous distribution: Indo-West Pacific.

Order: OPHIDIIFORMES

Family: OPHIDIIDAE

44. *Neobythites stefanovi* Nielsen and Uiblein 1993

Locality: Tuticorin, Tamil Nadu.

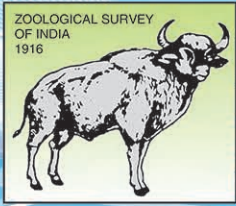
Journal: Marine Biodiversity Records, v 6: e71 (4 pages).

Year: 2013.

Recorded by: K. Kannan, S. John, K.K. Joshi and P.U. Zacharia.

Previous distribution: Red Sea, Gulf of Oman and Gulf of Aden in western Indian Ocean.





45. *Neobythites multistriatus* Nielsen and Quéro, 1991

Locality: off the Tuticorin coast in the Gulf of Mannar, Tamil Nadu, India.

Journal: *Marine Biodiversity Records*, v 6: e83 (3 pages).

Year: 2013.

Recorded by: K. Kannan, K.K. Joshi, S. John and J.A. Johnson.

Previous distribution: Southwestern Indian Ocean: Réunion and Rodrigues.

Order: PERCIFORMES

Family: ACANTHURIDAE

46. *Naso reticulatus* Randall, 2001

Locality: Mohana, Digha, West Bengal, India.

Journal: *Marine Biodiversity Records*, 6: e56, 1-3. (Publisher: Cambridge Journals).

Year: 2013.

Recorded by: Anil Mohapatra, Dipanjan Ray and Prasanna Yennawar.

Previous distribution: Taiwan and the southern end of Sumatra, Indonesia.

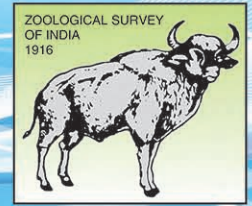




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Family: CAESIONIDAE

47. *Caesio striata* Rüppell, 1830

Locality: Gulf of Mannar, Tuticorin, Tamil Nadu, India.

Journal: *Marine Biodiversity Records*, v 6: e106 (3 pages).

Year: 2013.

Recorded by: K. Kannan, Sajjan John, J.A. Jhonson, P.U. Zacharia and K.K. Joshi.



Family: OPISTOGNATHIDAE

48. *Opistognathus macrolepis* Peters, 1866

Locality: Kalpakkam, Tamil Nadu, India.

Journal: *Marine Biodiversity Records*, 6: e8 (1-4).

Year: 2013.

Recorded by: S. Biswas, S.S. Mishra, N.P.I. Das, K.K. Satpathy, L. Nayak and M. Selvanayagam.

Previous distribution: Western Pacific: Thailand, northern Australia.





Family: SERRANIDAE

49. *Liopropoma lunulatum* (Guichenot, 1863)

Locality: Kochi, Kerala, India.

Journal: *Marine Biodiversity Records*, v 6: e41 (4 pages).

Year: 2013.

Recorded by: Rekha J. Nair,
S. Dinesh Kumar, Sijo
Paul and Somy
Kuriakose.

Previous distribution:
Red Sea, Indo-West Pacific:
Mascarenes east to Society Islands,
north to southern Japan.



50. *Plectropomus laevis* (Lacepède, 1801)

Locality: Kochi, Kerala, India.

Journal: *Marine Biodiversity Records*, v 6: e41 (4 pages).

Year: 2013.

Recorded by: Rekha J. Nair, S. Dinesh Kumar, Sijo Paul and Somy Kuriakose.

Previous distribution: Indo-West Pacific: East Africa, Madagascar and Mascarenes east to Oeno (Pitcairn Group), north to southern Japan, south to Western Australia, Queensland (Australia), New Caledonia and Rapa.

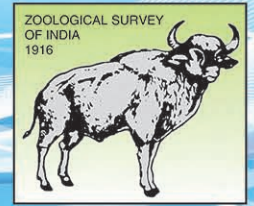




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Order: SCORPAENIFORMES

Family: TETRAROGIDAE

51. *Ablabys binotatus* (Peters, 1855)

Locality: Gulf of Mannar, Tamil Nadu, India.

Journal: *Marine Biodiversity Records*, v **6**: e120 (3 pages).

Year: 2013.

Recorded by: Molly Varghese.

Previous distribution: Western Indian Ocean.



Order: SQUALIFORMES

Family: SOMNIOSIDAE

52. *Zameus squamulosus* (Günther, 1877)

Locality: Kochi, Kerala, India.

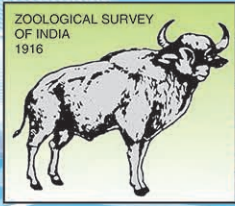
Journal: *Indian Journal of Fisheries*, **60**(3): 127-129.

Year: 2013.

Recorded by: K. V. Akhilesh, K. K. Bineesh, U. Ganga and N. G. K. Pillai.

Previous distribution: Cosmopolitan in warm seas (including Red Sea, Hawaiian Islands).





Order: TETRAODONTIFORMES

Family: BALISTIDAE

53. *Xanthichthys lineopunctatus* (Hollard, 1854)

Locality: Near Lakshadweep, off Kerala.

Journal: *Marine Biodiversity Records*, v 6: e52 (3 pages).

Year: 2013.

Recorded by: Rekha J. Nair, S. Dinesh Kumar, P.M. Geetha and Somy Kuriakose.

Previous distribution: East Africa, South Africa, Comores and western Mascarenes east to Philippines and New Guinea, north to southern Japan, south to northern Australia.

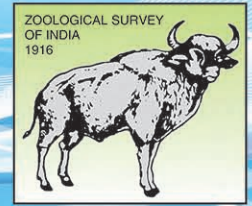




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Animal Discoveries 2013



ONE NEW RECORD OF BIRD

Class: AVES

Order: PROCELLARIIFORMES

Family: PROCELLARIIDAE

54. Calonectris diomedea (Scopoli, 1769)

Locality: Thaikadappuram Beach, Kasaragod district, Kerala, India.

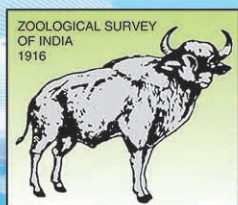
Journal: *Indian BIRDS*, 8(6): 152-153.

Year: 2013.

Recorded by: J. Praveen, M. Jafer Palot and Dipu Karuthedathu.

Previous distribution: Cory's Shearwater *Calonectris borealis* breeds on islands and cliffs in the Mediterranean Sea, as well as in the Atlantic Ocean in the Canary Islands (Spain), and Berlengas Islands and the Azores (Portugal). After breeding, birds from the Atlantic colonies predominantly winter off the coast of South America and southern Africa, with some individuals from the Mediterranean wintering in the area of the Canary Current.





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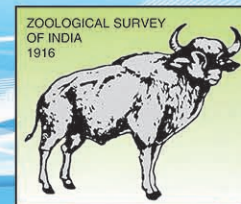




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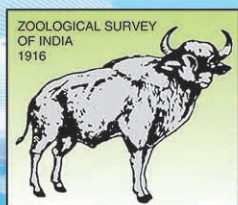


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<i>Bracon daris</i>	35	<i>Carebara spinata</i>	50
<i>Bracon decor</i>	35	<i>Catalaphyllia jardinei</i>	90
<i>Bracon heteron</i>	36	<i>Ceylonitermellus periyarensis</i>	15
<i>Bracon keralense</i>	36	<i>Channa andrao</i>	80
<i>Bracon koridor</i>	36	<i>Cheiloneurus mandyanus</i>	41
<i>Bracon molycaon</i>	37	<i>Chelidoperca maculicauda</i>	81
<i>Bracon nexperon</i>	37	<i>Chimarra dentata</i>	30
<i>Bracon procnis</i>	37	<i>Chimarra dibangensis</i>	31
<i>Bracon stom</i>	38	<i>Chimarra recurvata</i>	31
<i>Brechites penis</i>	105	<i>Chremistica ribhoi</i>	17
<i>Buluka horni</i>	38	<i>Chrysocharis cuticisi</i>	44
<i>Caesio striata</i>	112	<i>Chrysocharis differentis</i>	45
<i>Callerebia dibangensis</i>	33	<i>Chrysocharis harithi</i>	45
<i>Callispa keram</i>	22	<i>Chrysocharis neosunosei</i>	45
<i>Calonectris diomedea</i>	116	<i>Chrysocharis neoviridis</i>	45
<i>Calosota idukkiensis</i>	46	<i>Cleonymus kamijoi</i>	57
<i>Calosota iochroma</i>	46	<i>Cletus pygophorus</i>	18
<i>Calotelea laminaris</i>	57	<i>Cletus tashiae</i>	18
<i>Calyconotiscus frontofasciatus</i>	57	<i>Congetia chesneyi</i>	106
<i>Carebara carinata</i>	49	<i>Conilepia hunliensis</i>	32
<i>Carebara dentata</i>	49	<i>Conostigmus neotubifer</i>	52
<i>Carebara hornata</i>	50	<i>Cothurnia clampi</i>	7
<i>Carebara propomegata</i>	49	<i>Cothurnia disper</i>	6
<i>Carebara rectangulata</i>	50	<i>Cothurnia dovkali</i>	7





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<i>Cothurnia mannarensis</i>	7	<i>Epidamaeus parayunnanensis</i>	62
<i>Cothurnia nova</i>	6	<i>Euphyllia paraglabrescens</i>	90
<i>Cothurnia palkensis</i>	6	<i>Eurysaspis flavescens</i>	97
<i>Courtesius illuminates</i>	98	<i>Eurytoma chinnarensis</i>	47
<i>Cryptocephalomorpha indica</i>	22	<i>Favia marshae</i>	93
<i>Ctenactis triangularis</i>	8	<i>Favites monticularis</i>	8
<i>Cyana pseudoeffracta</i>	32	<i>Foenatopus idukkiensis</i>	61
<i>Cycloppia asetosa</i>	65	<i>Garra arunachalensis</i>	70
<i>Cycloppia spindleformis</i>	65	<i>Garra birostris</i>	71
<i>Dario kaja</i>	79	<i>Garra dampensis</i>	72
<i>Diapara debanensis</i>	58	<i>Garra magnidiscus</i>	72
<i>Diapara hayati</i>	59	<i>Garra quadratiostris</i>	71
<i>Diapara nigra</i>	59	<i>Gastracanthus indicus</i>	60
<i>Diapara nigriscuta</i>	58	<i>Gegeneophis orientalis</i>	88
<i>Diapara thirumalai</i>	58	<i>Glossosoma (Glossosoma) dirangense</i>	28
<i>Diapara venkati</i>	59	<i>Glossosoma (Glossosoma) sikkimense</i>	28
<i>Dilobocondyla gasteroreticulatus</i>	50	<i>Glyptapanteles clanisae</i>	38
<i>Dolichogenidea cinnarae</i>	39	<i>Glyptapanteles trilocheae</i>	38
<i>Ecnomus suni</i>	27	<i>Glyptothorax elankadensis</i>	86
<i>Encyrtus coorgensis</i>	41	<i>Glyptothorax pantherinus</i>	78
<i>Entodinium babinum</i>	6	<i>Glyptothorax radiolus</i>	85
<i>Entodinium binatasum</i>	5	<i>Gonatocerus farmani</i>	54
<i>Epeorus petersi</i>	14	<i>Gonatocerus garyi</i>	53
<i>Epiclerus viridipetiolatus</i>	61	<i>Gonatocerus gunathilagaraji</i>	53

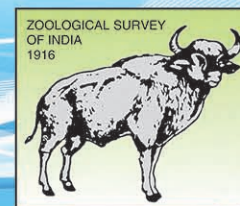




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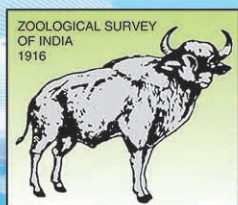


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<i>Gonatocerus heraty</i>	53	<i>Lepidostoma liber</i>	100
<i>Gonatocerus manaliensis</i>	54	<i>Lepidostoma mechukaense</i>	29
<i>Gonatocerus ramamurthy</i>	54	<i>Lepidostoma nuburagangai</i>	29
<i>Gonatocerus sergueii</i>	52	<i>Lepidostoma simplex</i>	100
<i>Gonatocerus sundus</i>	53	<i>Liopropoma lunulatum</i>	113
<i>Halieutopsis stellifera</i>	110	<i>Lordomyrma taylori</i>	51
<i>Halomitra clavator</i>	93	<i>Macdunnoughia kostrowicki</i>	32
<i>Hammerella (Hammerella) excisa</i>	63	<i>Macotasa orientalis</i>	101
<i>Hapalogenys bengalensis</i>	80	<i>Malaconothrus macrofoveolatus</i>	64
<i>Hemiclepsis chharwardamensis</i>	13	<i>Manna tenuis</i>	18
<i>Horabagrus melanosoma</i>	82	<i>Megophrys ancræ</i>	87
<i>Hospitalitermes monoceros</i>	96	<i>Megophrys oropedion</i>	87
<i>Hydrocanthus guignoti</i>	23	<i>Megophrys vegrandis</i>	87
<i>Idionyx gomantakensis</i>	14	<i>Meoneura indica</i>	24
<i>Jauravia bicaullatus</i>	24	<i>Meoneura simplex</i>	25
<i>Jauravia punjabensis</i>	24	<i>Merismomorpha tamilnadensis</i>	60
<i>Kerria dubeyi</i>	21	<i>Metapelma kokkaricum</i>	47
<i>Kerria maduraensis</i>	20	<i>Metapelma periyaricum</i>	47
<i>Kerria manipurensis</i>	20	<i>Metrocoris morsei</i>	19
<i>Kerria pennyae</i>	20	<i>Metrocoris shillongensis</i>	19
<i>Kerria thrissurensis</i>	20	<i>Microplitis murkyi</i>	39
<i>Kerria varshneyi</i>	21	<i>Microterys atturensis</i>	41
<i>Kleidotoma sikkimensis</i>	49	<i>Miscogasteriella bijoyi</i>	60
<i>Lepidostoma curvatum</i>	29	<i>Mosaica irregularis</i>	17





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<i>Myrmica curvispinosa</i>	51	<i>Orthaltica terminalia</i>	23
<i>Mystus heoki</i>	84	<i>Paguristes miyakei</i>	104
<i>Mystus indicus</i>	83	<i>Parapanteles echeriae</i>	39
<i>Mystus menoni</i>	83	<i>Parapharyngodon jairajurii</i>	11
<i>Naso reticulatus</i>	111	<i>Pareuchaetes pseudoinsulata</i>	100
<i>Natica stellata</i>	109	<i>Pergalumna asetosa</i>	63
<i>Neobythites multistriatus</i>	111	<i>Pergalumna mahunkai</i>	63
<i>Neobythites stefanovi</i>	110	<i>Pergalumna paratsurusakii</i>	63
<i>Neocladia noyesi</i>	40	<i>Periglypta albocancellata</i>	107
<i>Neodiaptomus prateek</i>	69	<i>Pethia aurea</i>	73
<i>Neoribates (Neoribates) ornamentus</i>	66	<i>Pethia expletiforis</i>	70
<i>Neoribates (Neoribates) parabarbatus</i>	66	<i>Pisania (Jeannea) gracilis</i>	107
<i>Nesticodes rufipes</i>	104	<i>Placobdella gauripurensis</i>	13
<i>Notaspediella shyamagatra</i>	39	<i>Plectropomus laevis</i>	113
<i>Nothrus phylliformis</i>	65	<i>Pleurobranchus forskalii</i>	109
<i>Notosacantha bertounesquei</i>	22	<i>Plonaphacarus kaluzi</i>	67
<i>Nucula consentanea</i>	106	<i>Podagrion moradabadense</i>	61
<i>Olepa duboisi</i>	101	<i>Polinices (Lunatia) catena</i>	108
<i>Olyra astrifera</i>	84	<i>Polinices (Mammilla) fibrosa</i>	108
<i>Ompok karunkodu</i>	85	<i>Poliosia binotata</i>	101
<i>Opistognathus macrolepis</i>	112	<i>Protelenomus areolatus</i>	55
<i>Oribotritia duotrisetosa</i>	66	<i>Proteocephalus sangameshwariensis</i>	9
<i>Ormyrus perseae</i>	54	<i>Pseudectroma indicum</i>	42
<i>Orthaltica syzygium</i>	23	<i>Pseudogaurax indicus</i>	25

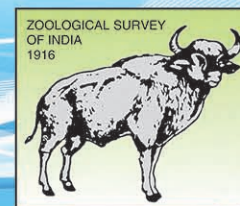




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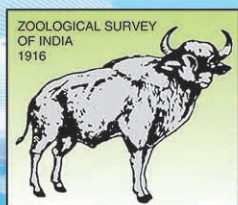


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<i>Pseudogaurax keralaensis</i>	25	<i>Rhyacophila kashmirensis</i>	31
<i>Pseudogaurax meghalayensis</i>	25	<i>Schistura ferruginea</i>	74
<i>Pseudogaurax thomsoni</i>	26	<i>Schistura maculosa</i>	76
<i>Pseudogaurax tristriatus</i>	26	<i>Schistura nebeswari</i>	74
<i>Pseudolaguvia lapillicola</i>	86	<i>Schistura paucireticulata</i>	75
<i>Pseudolaguvia nubila</i>	78	<i>Schistura porocephala</i>	76
<i>Pseudostenophylax gulmargensis</i>	30	<i>Schistura scyphovecteta</i>	75
<i>Pseudostenophylax himachalica</i>	30	<i>Scolopsis igcarensis</i>	81
<i>Psilorhynchus chakpiensis</i>	76	<i>Separatoppia indica</i>	66
<i>Psilorhynchus maculatus</i>	77	<i>Sergentomyia (Parrotomyia)</i>	
<i>Psilorhynchus ngathanu</i>	77	<i>jerighatiansis</i>	27
<i>Psyllaephagus ramamurthyi</i>	42	<i>Signocoris nilgircus</i>	16
<i>Puntius viridis</i>	73	<i>Sphaeronemoura siveci</i>	15
<i>Purpuricenus temminckii</i>	99	<i>Stenolophus (Egadroma) ovchinnikovi</i>	22
<i>Raorchestes ghatei</i>	88	<i>Strumigenys hemisobek</i>	102
<i>Rhabdias dehradunensis</i>	12	<i>Strumigenys mitis</i>	102
<i>Rhabdias himalayanus</i>	12	<i>Strumigenys mukkaliensis</i>	51
<i>Rhamphothrips bhattii</i>	16	<i>Strumigenys mutica</i>	102
<i>Rhinophis goweri</i>	89	<i>Strumigenys nannosobek</i>	103
<i>Rhopus fatehpurensis</i>	43	<i>Strumigenys rogeri</i>	103
<i>Rhopus kollamensis</i>	42	<i>Strumigenys thanikkudyensis</i>	51
<i>Rhopus lorato</i>	42	<i>Styloteleia alpha</i>	56
<i>Rhopus tamilanus</i>	43	<i>Subancistrocerus venkataramani</i>	62
<i>Rhopus zoleno</i>	43	<i>Suillia niesiolowskii</i>	26





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<i>Taiwanoppia (Taiwanoppia) paraflagellifera</i>	65	<i>Trechnites hairah</i>	44
<i>Tangius indicus</i>	24	<i>Trigonoderus pulcher</i>	103
<i>Tapinoma himalaica</i>	52	<i>Tylocephalum yeshwantraoae</i>	9
<i>Telenomus oryzae</i>	56	<i>Usilanus burmanicus</i>	98
<i>Tenagogonus venkataramani</i>	19	<i>Velia (Cesavelia) mitrai</i>	21
<i>Tetrastichus demonaxi</i>	46	<i>Vollenhovia gastropunctata</i>	52
<i>Torrenticola episce</i>	67	<i>Xanthichthys lineopunctatus</i>	115
<i>Toxorhynchites (Toxorhynchites) tyagii</i>	26	<i>Ypthima coorgensis</i>	33
<i>Travancoriana granulata</i>	68	<i>Ypthima tripuraensis</i>	33
		<i>Zameus squamulosus</i>	114

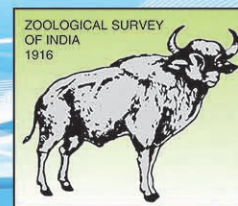




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LIST OF CONTRIBUTORS

Abdussamad, E.M.

Abraham, N.P.

Aengels, R.

Agarwal, I.

Ahmad, A.

Akbar, S.A.

Akhilesh, K.V.

Akhtar, M.S.

Ali, A.

Amina, P.

Anbalagan, A.

Anbalagan, S.

Anganthoibi, N.

Anushree, J.

Arunachalam, M.

Baehr, M.

Bal, A.

Balachandran, C.

Balan, A.P.

Banar, P.

Barathy, S.

Bharti, H.

Bhutia, P. T.

Bijoy, C.

Biju, S.D.

Bijukumar, A.

Bineesh, K.K.

Biswas, B.

Biswas, S.

Bogorodsky, S.V.

Bordoloi, S.

Borowiec, L.

Britz, R.

Buhl, P.N.

Bursey, C. R.

Chandra, K.

Chandran, A.

Chatterjee, T.

Cherian, P.T.

Chong, J.H.

Churi, P.V.

Dahanukar, N.

Dandwate, R. R.

Das, M.K.

Das, N.P.I.

Dattaray, P.

Devi, M.B.

Devi, O.S.

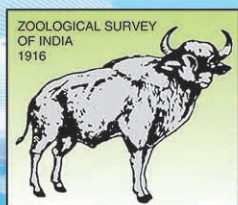
Dhananjeyan, K.J.

Dhanya, B.

Dinakaran, S.

Dipu, K.





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Dishma, M.
Dooley, J.W.
Dubovikoff, D.A.
Dutta, S.K.
Emery, D.
Ermilov, S.G.
Ganesh, S.R.
Ganga, V.
Gantait, V.V.
Geetha, P.M.
Ghate, H.V.
Ghosh, A.
Giri, V.B.
Gower, D.J.
Gupta, A.
Gupta, R.
Gupta, S.K.
Hajong, S.R.
Hassan, M.E.
Hayat, M.
Hee Ng, H.
Heiss, E.
Hiriyani, J.
Ingole, B.
Iwatsuki, Y.
Jadhav, S.
Jambulingam, P.
Jayalakshmi, K.J.

Jehamalar, E. E.
John, S.
Johnson, J.A.
Joshi, K.K.
Joshi, R.
Joshi, S.
Kalu 'z, S.
Kannan, K.
Kaomud, T.
Kataev, B.M.
Khan, F.R.
Kirti, J.S.
Knight, M.
Konstantinov, A.
Kosygin, L.
Krishnamoorthy, R.
Kullander
Kulkarni, S.A.
Kumar, M.P.R.
Kumar, P.G.
Kumar, R.
Kumar, S.D.
Kumar, V.
Kuriakose, S.
Kushwaha, S.
Lakhwinder, K.
Lalnuntluange
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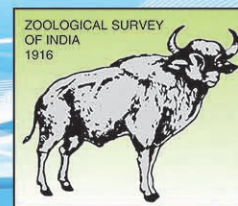




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Lalronunga, S.

Leborans, G.F.

Lee, Y.J.

Li, L.Z.

Li, W.

Lokeshwor, Y.

Lokhande, S.A.

Lonkar, R.S.

Mahony, S.

Mandal, C.K.

Mandal, S.

Manickvasagam, S.

Manikandan, B.

Manna, B.

Mariappan, T.

Mayden, R.L.

Menon, P.

Minu, M.

Mishra, S.S.

Mitra, B.

Mohanasundaram, A.

Mohanraj, P.

Mohapatra, A.

Mohapatra, P.P.

Molly, V.

Mondal, T.

Mukhopadhyay, A.K.

Mugnai, R.

Munirathinam, A.

Muranyi, D.

Naik, R.

Namboothri, N.

Narendran, T. C.

Nasser, M.

Nayak, L.

Nebeshwar, K.

Niedbala, W.

Nisha

Nikhil, K.

Nithyanandan, M.

Nivedita, S.

Noyes, J.S.

Padhye, A.D.

Palot, M.J.

Pandher, M.S.

Papp, L.

Paramita, M.

Parey, S.H.

Paul, S.

Pawar, R.G.

Pati, S. K.

Paul, P.

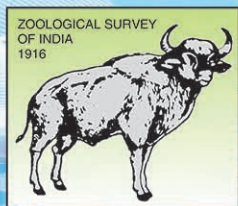
Pereira, B.

Pesic', V.

Pillai, N.G.K.

Plamoottil, M.





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Polhemus, D.A.
Poorani, J.
Prathapan, K.D.
Praveen, J.
Praveen, K.
Radhakrishnan, C.
Raghavan, R.
Raghunathan, C.
Raja, M.
Rajmohana, K.
Ramakrishna
Ramamurthy, V.V.
Ramani, R.
Rameshkumar, A.
Ramteke, D.
Randall, J.E.
Rangnekar, P.
Rathor, V.S.
Ray, D.
Ray, R.
Razak, N.
Reddy, Y.R.
Rekha, J.N.
Reshmi, R.
Rizvi, A. N.
Roy, P.
Roy, S
Russell, B.C.

Saha, G.K.
Saini, M. S.
Saleem, U.K.A.
Samuel, D.
Samuel, P.
Sanjeevan, V.N.
Sanyal, A.K.
Satapathy, K.K.
Sayyed, A.
Selvanayagam, M.
Senna, A.R.
Shameem, K.M.
Shangningam, B.
Sharma, A.K.
Sharma, K.K.
Sharma, N.
Sharma, R. M.
Sharma, Y.P.
Sheeba, M.
Sheela, S.
Shrinivaasu, S.
Shtanchaeva, U.Y.
Singh, D.
Singh, J.
Singh, L.R.K.
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Singh, S.D.
Singh, V.K.

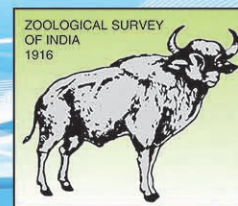




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Sivaramakrishnan, K.G.

Sivaruban, T.

Smith-Pardo, A.

Soman, A.

Sonia, C.S.

Srimoyee, B.

Srinivasan, R.

Sub'ias, L.S.

Subramanian, K.

Sureshan, P. M.

Talukdar, S.

Tamang, L.

Teeling, E.C.

Tharian, J.

Tirant, S.L.

Tripathy, B.

Uzman, S.U.

Veenakumari, K.

Venkatraman, C.

Venkataraman, K.

Venkatesh, A.

Vidyarthi, A.S.

Vinu, J.

Vishwanath, W.

Vogel, G.

Wilkinson, M.

Woznica, A.J.

Wrase, D.W.

Wu, D.

Yaakop, S.

Yennawar, P.

Yin, Z.W.

Zacharia, P.U.

Zeya, S.B.





Zoological Survey of India

M-Block, New Alipore, Kolkata - 700 053

Telefax : +91 33 2400 6893

website : www.zsi.gov.in