

ZSI E-News

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Ministry of Environment
Forest and Climate Change



सत्यमेव जयते



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Azadi Ka
Amrit Mahotsav



भारत 2023 INDIA
एकता धरुणुवत
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from the Director's Desk

Dear Colleagues and Esteemed Readers

I am delighted to inform you about the successful publication of the October issue of the e-newsletter from the Zoological Survey of India. This edition not only offers insights into our recent activities but also showcases the dedication, commitment, and scientific rigor exhibited by our scientists, researchers, and team members. Their efforts are instrumental in enhancing our understanding of India's diverse biological heritage through faunal exploration. Within this e-newsletter, we aim to present some remarkable achievements from our recent project and programme, which include the discovery of new species, biodiversity assessments, and innovative studies addressing ecological challenges. Each publication reflects our mission to generate and disseminate scientific knowledge that supports the conservation and sustainable management of our nation's faunal resources. The work featured in this edition showcases the steadfast commitment of our scientists and staff to enhance zoological research, improve biodiversity documentation, and strengthen the relationship between science and society.

As a part of Swachhata Hi Seva 2024 & Sansthanon Swachhata, installation of e-waste bins to dispose e-waste and Smart Bin to dispose Plastic pet bottles provided by Hulladek Recycle was placed at ZSI, Kolkata on 1st October 2024. As a part of Swachhata Hi Seva 2024 observed from 17th September to 1st October, 2024 with the theme of 'Swabhav Swachhata Sanskaar Swachhata', Zoological Survey of India conducted 16 Health Camps for more than 350 Safai Mitras and Contractual Staff across India. Check up and diagnostic tests were done by CGHS empanelled Hospitals.

During this month, scientists and researchers at ZSI have successfully identified a total of 1553 species from various faunal communities. This includes the discovery of one new genus and eight new species, which comprise four new species of crabs, one new species of Lepidoptera, and three new species of Hymenoptera. Notably, it is significant that two species of mites, one species of cladocera, and two species of rotifers have been newly documented in India.

I would like to express my heartfelt congratulations to everyone involved in this publication for their diligent efforts in compiling and presenting our findings with precision and clarity. Their dedication ensures that our work reaches a broad audience, fostering greater awareness and appreciation for India's unique and invaluable wildlife with special reference to faunal communities. It is my aspiration that this e-newsletter will motivate our readers, collaborators, and the broader scientific community to continue their efforts in biodiversity research and conservation. Together, let us maintain our commitment to protecting the natural heritage of our nation.

Jai Hind,

Dr. Dhriti Banerjee

Director

5th October 2024

Kolkata

Cover: *Buceros bicornis* Linnaeus, 1758;
The great hornbill
Courtesy: ZSI HQ, Kolkata

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HEADQUARTERS, KOLKATA, WEST BENGAL

Survey tours were conducted to Kachchh district of Gujarat and Gangetic Plains. A total of 571 species of faunal communities including Arachnida, Acanthocephala, Acari, Platyhelminthes, Diptera, Collembola, Hemiptera, Lepidoptera, Mollusca, Nematoda and Orthoptera were identified. Two species of Soil Oribatid Mites were recorded as new to Indian fauna. A total of 54 species of Platyhelminthes, Acari, Hemiptera, Lepidoptera and Nematoda were augmented to the National Zoological Collections. Identification and advisory services were rendered to School of

Biotechnology & Pharmaceutical Sciences, Vignan's Foundation for Science, Technology & Research, Guntur, Andhra Pradesh and University of Jammu, Jammu & Kashmir. National Wildlife Week was celebrated from 2nd to 8th October 2024. E-waste bins to dispose e-waste and Smart Bin to dispose Plastic pet bottles have been installed as a part of Swachhata Hi Seva 2024 and Sansthanon Swachhata on 1st October 2024.



Half-Yearly meeting during 23rd to 25th October 2024



Inter-college quiz competition organized on the 3rd October 2024

NORTH EASTERN REGIONAL CENTRE, SHILLONG, MEGHALAYA

One survey tour was conducted to Garo Hills region, Meghalaya under the programme “Current Status and Distribution of Endemic Odonata (Insecta) of India” from 15th to 26th October 2024. A total of 82 species of faunal communities including Orthoptera, Odonata, Araneae, Pisces, Lepidoptera, Aquatic Hemiptera, Decapoda, and Amphibia were identified. Three species were identified as New Records to India. Identification and advisory service was provided to Cotton University, Assam. An inter-college quiz competition was organized on 3rd October 2024 in collaboration with Lady Keane College, Shillong to celebrate Wildlife Week 2024. Various activities related to Special Campaign 4.0. was conducted by the office from 2nd to 30th October 2024. The staff of the centre took the Integrity Pledge on 29th October 2024 as part of observation of Vigilance Awareness Week 2024. The centre participated in a Science Exhibition held at Synod College, Shillong on 25th October 2024 and in the Rozgar Mela on 29th October 2024 at State Convention Centre, Shillong Meghalaya.



Exhibition at Synod College, Shillong on the 25th October 2024

WESTERN REGIONAL CENTRE, PUNE, MAHARASHTRA

Surveys conducted to Ballari, Karnataka from 18th to 20th October 2024 under the Project on “Preparation of Wildlife management & Conservation Plan for Schedule-1 species with special reference to Indian Swiftlet *Aerodramus unicolor* and Gull-billed tern *Gelochelidon nilotica* in and around the proposed Vadhavan Port, Palghar, Maharashtra” and to Vadhavan Port site in Palghar, Maharashtra from 23rd September to 24th September 2024 under the Project on “Requirement for Wildlife management plan—3 new mines of M/s JSW Steel Ltd., Vijaynagar Works, Toranagallu, Ballari, Karnataka”. A total of 72 species of faunal communities including Crustacea, Aquatic Coleoptera, Hemiptera, Hymenoptera, Blattodea, Lepidoptera, Mollusca, Myriapoda, and Pisces were identified and registered. A new genus of freshwater crab *Capitamon Pati*, Mitra & Ng, 2024 and 04 new species of the genus were described. A total of 499 students from various educational institutions have visited this museum during this month. The centre submitted 35 DNA Barcodes of multiple faunal groups to NCBI. A total of six Identification and advisory services were provided to different institutions. Dr. Aparna S. Kalawate, Scientist-E has been selected as the member of the Biological Resources Expert Committee (Animal) (Erstwhile Animal Expert Committee) of the Maharashtra State Biodiversity Board. This centre participated in Swachhata Abhiyan 4.0 and organized cleaning drive on 16th October 2024 and *Shram Daan* event to clean the office area and surroundings on 22nd October 2024.



Seminar on “Lesser-Known Wildlife of Sahyadri–Frogs and Butterflies” on 4th October 2024

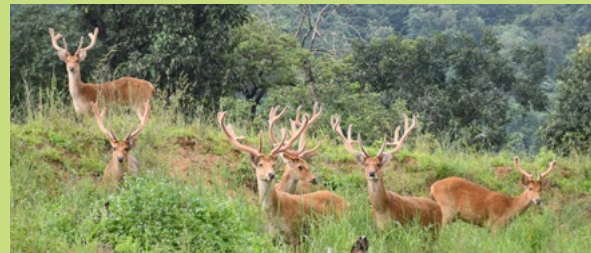


Swachhata campaign 4-0 drive

Staffs of WRC, Pune has taken “Integrity Pledge for Citizen” on the occasion of Vigilance Awareness Week on 28th October 2024. The centre celebrated Wildlife Week from 2nd to 8th October 2024.

CENTRAL ZONE REGIONAL CENTRE, JABALPUR, MADHYA PRADESH

A survey was conducted to Panna Biosphere Reserve, Panna, MP from 16th to 25th October 2024 under "Faunal Diversity of Panna Biosphere Reserve". A total of 47 species of faunal communities including Orthoptera, Amphibia, Hemiptera, Lepidoptera, and Pisces were identified. हिंदी पखवाड़ा एवं स्वच्छता समारोह का समापन समारोह 01.10.2024 को भारतीय प्राणि सर्वेक्षण, मध्य क्षेत्रीय केंद्र, जबलपुर (मध्य प्रदेश) में आयोजित किया गया। वन्य प्राणी सप्ताह-2024 के अंतर्गत दिनांक 07.10.2024 को खाद्य प्रसंस्करण और प्रौद्योगिकी विभाग, अटल बिहारी वाजपेयी विश्वविद्यालय बिलासपुर, (छ.ग.) एवं भारतीय प्राणि सर्वेक्षण, मध्य क्षेत्रीय केंद्र, जबलपुर (मध्य प्रदेश) के सयुक्त तत्वाधान में दो दिवसीय राष्ट्रीय सम्मेलन का आयोजन किया गया। One day Health Camp was organised on 4th October 2024. A total of 30 visitors attended the museum of the centre. Identification and Advisory Service was rendered to Jawaharlal Nehru Krishi Vishwavidyala, Jabalpur. A short film in Hindi titled "Manav Tendua Conflict" directed by Dr. P. S. Bhatnagar, Sci-E for ZSI was released on 7th October 2024 under Wildlife Week Celebration-2024 by Prof. A.



A herd of Barasingha, *Rucervus duvaucelii* G. Cuvier, 1823 at Bori Wildlife Sanctuary, Narmadapuram (M.P.)

D. N. Bajpai, Hon'ble Vice-Chancellor, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.). The centre organized cleanliness drive on 8th October 2024 and plant distribution programme on 30th September 2024. सतर्कता जागरूकता सप्ताह -2024 का आयोजन विषय-"सत्यनिष्ठा की संस्कृति से राष्ट्र की समृद्धि" दिनांक 28.10.2024 से 03.11.2024 तक भारतीय प्राणि सर्वेक्षण, मध्य क्षेत्रीय केंद्र, जबलपुर (मध्य प्रदेश) में आयोजित किया गया।



दिनांक 07.10.2024 को अटल बिहारी वाजपेयी विश्वविद्यालय बिलासपुर, (छ.ग.) एवं भारतीय प्राणि सर्वेक्षण, जबलपुर के सयुक्त तत्वाधान में दो दिवसीय राष्ट्रीय सम्मेलन



Health Camp organized for Safai Karmchari under SHS on 2nd October 2024

DESERT REGIONAL CENTRE, JODHPUR, RAJASTHAN

A survey was conducted at Jammu and Kashmir from 14th September to 30th October 2024 under SERB project. A total of 54 species of faunal communities belonging to Gastropoda, Coleoptera, Hemiptera, Hymenoptera, Lepidoptera, and Pisces were identified. Identification and Advisory services were rendered to BGSB University, Rajouri (J&K). A total of 82 local visitors visited the Museum of the Centre. The centre organized cleanliness drive of ZSI campus in collaboration with BSI and planted saplings “Ek Ped Maa Ke Nam” under SHS on 1st October 2024 and organized Health camp for contractual staff of ZSI in collaboration with BSI on 2nd October 2024 under SHS. All officials participated in Special Swachtha Campaign 4.0 Shramdaan



Cleanness drive under SHS at DRC Campus, Jodhpur on 1st October 2024

on 9th October 2024 at the DRC Campus and took Integrity Pledge under Vigilance Awareness Week at the Centre on 28th October 2024.

NORTHERN REGIONAL CENTRE, DEHRADUN, UTTARAKHAND

One survey was conducted to Kedarnath Wildlife Sanctuary, Uttarakhand from 14th to 20th October, 2024. A total of 70 species of faunal communities belonging to Phthiraptera, Orthoptera, Coleoptera, Lepidoptera, Odonata, Pisces, Amphibia, and Reptilia were identified. Conducted “MISSION LIFE” activities and also planted Fruit plants Saplings in the “MATRI VAN of ZSI, NRC, Dehradun” with officers and staff under the Government of India campaign “एक पेड़ माँ के नाम / EK PED MAA KE NAAM” on 15th, 18th and 29th October 2024. The Officer and staff took ‘Integrity Pledge’ at the outset of the “Vigilance Awareness Week” in the conference hall of ZSI, NRC, Dehradun on 28th October 2024 and also conducted Vigilance Awareness Rally for making common public aware about ‘Culture of Integrity for Nation’s Prosperity’ in the smart city Dehradun, Uttarakhand on 29th October 2024.



Dr. Gaurav Sharma, Officer-in-Charge, ZSI, NRC, Dehradun felicitated by the Director, ZSI during ZSI Half Yearly Meeting at Kolkata



Wildlife Week Celebration; participation in Poster Competition of Uttarakhand Government School Students on 2nd to 8th October 2024



Euphaea ochracea Selys 1859



Labadea Martha Fabricius 1787

SOUTHERN REGIONAL CENTRE, CHENNAI, TAMIL NADU

A survey tour was conducted in Garro Hills, Meghalaya to assess the current status and distribution of endemic Odonata species. During this month, a total of 98 faunal species belonging to the orders Coleoptera, Hemiptera, Psocoptera, Fishes, Amphibia, and Reptilia were identified. Identification services rendered for six examples of beetles to Ramakrishna More ACS College, Pune, Maharashtra. A student team from the Vellore Institute of Technology (VIT) visited the Centre. The Officers and staff of the Centre observed Vigilance Awareness Week.



Garro Hills, Meghalaya

GANGETIC PLAINS REGIONAL CENTRE, PATNA, BIHAR

A Survey tour was conducted to Baraila Lake, Vaishali and Bhimbandh WLS, Munges from 23rd September to 4th October 2024. A total of 58 species of faunal communities belonging to Testate Amoebae, Insects, Mollusca, and Fish were identified and registered. Dr Anil Kumar, Scientist- E reviewed nine manuscripts for Records of ZSI, Kolkata and one manuscript for JoTT, Bengaluru as subject editor. Wildlife Week was celebrated on 8th October 2024. Under the mission Swachhata Hi Sewa (SHS), a cleanliness drive was conducted at Salim Ali Zubba Shani Bird Sanctuary (Baraila Lake), Vaishali with the staffs of Forest department (Pakchhi Mitra) on 1st October 2024. The Centre organized "Safai Mitra Suraksha Camp" Health campaign on 1st October 2024 as a part of Swachhata Hi Seva 2024. The Centre observed the Vigilance Awareness Week 2024 by taking the Pledge on 28th October 2024.



Wildlife Week celebration on 8th October 2024 and distribution of certificate and prize to the participants of painting completion organised on 17th September 2024 at GPRC, ZSI, Patna



The Centre organized "Safai Mitra Suraksha Camp" Health campaign organized at GPRC Patna on 1st October 2024

HIGH ALTITUDE REGIONAL CENTRE, SOLAN, HIMACHAL PRADESH

A total of 54 species of faunal communities belonging to fishes, Lepidoptera, Orthoptera, Hymenoptera and Trichoptera were identified. This regional centre won the First Prize for Best Overall Performance in Hindi (among 32 Central Government Offices) for Year 2023-2024 Conferred by Narakas Solan on 1st October 2024. Scientists of the section acted as examiner and evaluated Ph.D. thesis for Department of Zoology, Shoolini University, Solan, Dr. YS Parmar University of Horticulture & Forestry, Nauni, Solan and Punjab Agricultural University, Ludhiana, Punjab. Scientists of the centre reviewed manuscripts for Records of ZSI and other scientific journals. Scientist & Staff of the Centre attended Swachata Abhiyan cleanliness drive on 1st, 8th and 17th October 2024. The centre organized the Health Camp for Contractual Employee on 2nd October 2024.



HARC Organised Swachhata Hi Sewa cleanliness drive at HARC campus on 17th October 2024



HARC Solan organized the Health Camp for Contractual Employee on 2nd October 2024

MARINE BIOLOGY REGIONAL CENTRE, CHENNAI, TAMIL NADU

Local surveys were conducted to collect fish samples at the Kasimedu Fish Landing Centre on 7th and 22nd October. A total of 73 species of faunal communities belonging to Fishes, Lepidoptera, Orthoptera, Hymenoptera, and Trichoptera were identified. Participated in a biodiversity assessment study 'Marine Biodiversity Studies and Cetaceans,' in the proposed Versova Bandra Sea Link, Mumbai, from 8th to 16th October 2024. A court hearing was attended by one of the scientists as a witness on account of a wildlife case. An internship programme from 15th September to 4th October 2024 was organised for ten post-graduate students in marine biology at the Centre for Advanced Studies in Marine Biology, Annamalai University. Forty students and five faculty members from the Department of Zoology, Kongu Nadu Arts and Science College, Coimbatore, and 93 students and staff from Vellore Institute of Technology visited the centre's museum and aquarium.



Dredge sampling in offshore Bhandra



Students and staff of Kongu Nadu Arts and Science College



Andaman Serpent Eagle *Spilornis elgini*
(Blyth, 1863)

ANDAMAN AND NICOBAR REGIONAL CENTRE, PORT BLAIR, ANDAMAN AND NICOBAR ISLANDS

A long-term survey tour was conducted to North and Middle Andaman from 12th to 19th October 2024 and six days local field surveys conducted during 5th, 21st to 25th October 2024. A total of 212 species of faunal communities belonging to Coleoptera, Lepidoptera, Odonata, Orthoptera, Phasmatodea, Amphibia, Reptilia, Mollusca, Birds, Mammals, Decapoda, Pisces and Platyhelminthes were identified. Metadata for 296 registered specimens have been prepared.



Capacity Building Workshop - Mahatma Gandhi Government College, Mayabunder

SUNDERBAN REGIONAL CENTRE, CANNING, WEST BENGAL

The Half Yearly Progress Monitoring Committee meeting of the ZSI HQ's Office and Regional Centres was organized from 23rd to 25th October 2024 at the Lalit Great Eastern, Kolkata to evaluate the Scientific, Accounts and Administrative Progress made during the period of 1st April to 30th September 2024 under the Chairmanship of Dr. K. Venkataraman, Former Director, ZSI and External Member Dr. Urmi Chatterji, Professor, University of Calcutta. A total of 44 species of faunal communities belonging to Fishes, Mollusca, and Crustacea were identified and digitized. Four outreach programmes were organized under Swachchhata Hi Seva and EK Ped Ma Ke Naam.



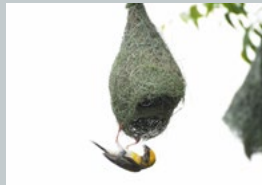
Half-Yearly meeting 23-25 October 2024

FRESHWATER BIOLOGY REGIONAL CENTRE, HYDERABAD, TELANGANA

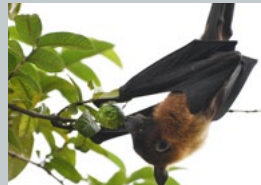
A survey tour was conducted under “Faunal Diversity of River Godavari” from 14th October to 3rd November 2024. A total of 93 species of faunal communities belonging to Fishes, Aquatic Hemiptera, Amphibia, Branchiopoda, Ostracoda, aquatic Coleoptera, and Mollusca were identified. As part of the digitization of the National Zoological Collections of the centre, (204 registrations) were digitized. Nine sequences have been submitted to NCBI. A Medical Camp has been conducted for Contractual Staff of FBRC, ZSI, Hyderabad on 1st October 2024. Wildlife week was celebrated from 2nd to 9th October 2024 at the centre. Rajbhasha Inspection was conducted by Smt. Urmila Harith, Director, Official language, MoEF&CC on 23rd October 2024. Internal Audit of Accounts, MoEF&CC for the period 2017-18 to 2023-24 was conducted from 21st to 25th October 2024. As a part of “EK PED MAA KE NAAM” plantation drive has been conducted at the Centre. Mission Life and Swachchta Hi Seva Special Campaigns 4.0 were conducted to generate awareness among people.



Alcedo atthis (Linnaeus, 1758)



Ploceus philippinus (Linnaeus, 1766)



Pteropus medius Temminck, 1825



Macaca mulatta (Zimmermann, 1780)



National Wildlife Week Celebrations at FBRC, ZSI, Hyderabad

WESTERN GHAT REGIONAL CENTRE, KOZHIKODE, KERALA

A total of 91 species of faunal communities belonging to Testate Amoeba, Coleoptera, Mantodea, Araneae, Scolopendridae, Dermaptera, Hemiptera, Hymenoptera and Pisces were identified. Three new species of Hymenoptera have been discovered. A total of 101 footfalls were recorded in the museum during the month. Two Identification and Advisory Services have been rendered to different institutions. Two research scholars had been successfully defended their Ph. D. thesis on 9th October 2024. Vigilance Awareness Week was observed at the centre on 28th October 2024, the 'Integrity Pledge' in different languages were taken. Cleanliness drives were conducted inside and around the office premises on behalf of the Special Campaign 4.0 from 2nd to 31st October 2024.



Smt. Ayisha Mawwada N.V. & Dr. P. Girish Kumar



Smt. Tessa Rajan & Dr. P.M. Sureshan



Taking Integrity Pledge at ZSI WGRC on 28th October 2024

ESTUARINE BIOLOGY REGIONAL CENTRE, GOPALPUR-ON-SEA, ODISHA

Local surveys were conducted to Bahuda estuary and Southern Odisha coast. A total of 156 species of faunal communities of various groups were identified during this month. A total of 80 students and teachers from Saraswati Vidya Mandir visited the museum facilities of EBRC, ZSI on 4th October 2024. A cleanup drive was organized at Tampara Lake (Ramsar site) on 1st October 2024 as part of Swacchata Hi Seva campaign. The cleanup drive was aimed to promote awareness among general mass about benefits of maintaining a clean and safe environment for both animals and human. A total of 221 visitors visited the regional museum during this month.



Women carrying tigershark landed at Pentha, Puri



Tampara Lake- A Ramsar Site, cleaning drive by EBRC, ZSI



Cleanliness drive under “Swatchta Hi Seva Hai” on 1st October 2024

ARUNACHAL PRADESH REGIONAL CENTRE, ITANAGAR, ARUNACHAL PRADESH

A survey was conducted to Upper Siang district under the programme ‘Faunal Diversity of Upper Siang District, Arunachal Pradesh’ from 30th Sep to 11th October 2024. A total of 110 species of faunal communities belonging to Lepidoptera, Orthoptera, Hemiptera, Coleoptera, Pisces, and Anura were identified. Swatchta campaign with the theme “Swatchta Hi Seva Hai” was organized up to Gohpur market on 1st October 2024. All the staff of the Centre attended awareness programme conducted by Zublee foundation under project VARDAAN to promote organ donation on 22nd October 2024 at the Centre and conducted Mission LiFE with B. Sc. Forestry students from NERIST, Nirjuli and JIGYASA, University Dehradun on 23rd October 2024.



Mission LiFE with B.Sc students of NERIST, Nirjuli on 23rd October 2024



Training Programme B.Sc Forestry students from NERIST, Nirjuli & JIGYASA University, Dehradun

MARINE AQUARIUM AND REGIONAL CENTRE, DIGHA, WEST BENGAL

A field survey tour was conducted on “Marine Biodiversity Studies and Cetaceans in the Proposed Versova-Bandra Sea Link” for eight days at Mumbai coast. A local survey was conducted to Champa estuary, Hospital Ghat, Udaypur and Mohana, West Bengal. A total of 88 species of faunal communities belonging Polychaeta, Nematoda, Mollusca, and Crabs were identified. A total five gDNA and 16 PCR of Polychaete and Sea slug PCR products were amplified. A total of five Identification and Advisory Services rendered to different institutes and reviewed one manuscript. Cleanliness drives under “Swachhata Hi Seva (SHS) & Swachhata Pakhwada-2024” was conducted at Sankarpur Champa River Estuary and the office premises on 1st October 2024. One-day Special Medical Camp organized for Contractual Staff on 1st October 2024. Special campaign 4.0 on cleaning event was organized at office premises on 16th and 28th October 2024. A plantation drive was conducted on 18th October 2024 for Matri van at MARC, ZSI, Digha. A total of 17,730 visitors visited the museum of this office.



Dr. S. Balakrishnan_Sci-E participated in Half-yearly meeting, 2024



The cleanliness drive Swachhata Hi Seva (SHS) and Swachhata Pakhwada-2024 on 1st October 2024

NEW DISCOVERIES

NEW SPECIES

One new genus of freshwater crab *Capitamon* Pati, Mitra & Ng, 2024



Capitamon capitatum Pati, Mitra & Ng, 2024



Capitamon clarki Pati, Mitra & Ng, 2024



Capitamon meitei Pati, Mitra & Ng, 2024



Capitamon mizoramense Pati, Mitra & Ng, 2024



Baeosega kimseyae Binoy, Mita & Girish Kumar, 2024



Baeosega krombeini Binoy, Mita & Girish Kumar, 2024



Dasyproctus yesudasi Binoy & Girish Kumar, 2024

NEW RECORDS



Keratella serrulata (Ehrenberg, 1838)



Keratella testudo (Ehrenberg, 1832)



Daphnia ambigua Scourfield 1947

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- ## ■ FAUNA OF INDIA CHECKLIST
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- ## ■ POPULAR ARTICLE
- » कलावटे, ए.एस. 2024. एक अनोखा एथलीट. *कोषिका, वार्षिक पत्रिका*, **3**: 1-2.
- ## ■ MEETINGS ATTENDED
- » Dr. Dhriti Banerjee, Director, ZSI, inaugurated the installation of e-waste bins to dispose e-waste and Smart Bin to dispose Plastic pet bottles provided by Hulladek Recycle at ZSI, Kolkata as a part of Swachhata Hi Seva 2024, Sansthanon Swachhata on 1st October 2024; graced the 7th edition of Disha Samman 2024

organized by Disha Eye Care at the Biswa Bangla Convention Centre, New Town which honours the achievements of visually challenged individuals and supportive organizations as the Guest of Honour on 2nd October 2024; received the Disha Samman which is presented by Disha Eye Hospitals, the largest eye care chain of Eastern India, aims to honour both individuals and organisations that work relentlessly for the welfare of the visually challenged persons; celebrated National Wildlife Week from 2nd to 8th October 2024 with the theme “Wildlife Conservation Through Coexistence”; distributed the prizes to the winners of Hindi Competition in Hindi Pakhwada 2024 which was held from 11th to 25th September 2024 and motivated staff to increase the participation for the better implementation of Rajbhasha and also distributed certificates to the employees who completed Hindi Prabodh, Praveen, Pragya and Parangat classes conducted under the Hindi Shikshan Yojna; attended a Consultative meeting with Indian Institute of Tropical Meteorology and Thematic Working Groups for National Adaptation Plan (NAP) under the chairmanship of Economic Advisor, MoEFCC on 7th October 2024 in virtual mode and discussed the climate data/projection/scenario requirement by each working group, which are essential for sectoral impacts, risk and vulnerability assessments; attended a meeting in virtual mode regarding Creation of the Ridge Interpretation Center which was held on 15th October 2024 under the chairpersonship of Joint Secretary, MoEFCC to discuss the way forward for the concept note on Ridge Interpretation Center in line with the request of Delhi Metro Rail Corporation (DMRC); presented Half-Yearly Progress Report of ZSI from April to September 2024 in the Half Yearly Progress Monitoring Committee meeting of the ZSI HQ’s Office and Regional Centres

conducted from 23rd to 25th October 2024 at the Lalit Great Eastern, Kolkata and reviewed completed and ongoing research programmes of ZSI.

- » Dr. C. Raghunathan, Scientist-F, ZSI/HQ, Kolkata, served as a Member in the assessment of Senior Zoological Assistants of ZSI Headquarters on 3rd and 4th October 2024; attended the meeting for assessment of Group –A Officers under Review of Central Government Employees for strengthening of administration under Fundamental Rule (FR) 56(j)/(l) and Rule 48 of CCS (Pension) Rules, 1972 chaired by Secretary, MoEFCC on 7th October 2024; chaired the meeting for assessment of Group –C Staff under Review of Central Government Employees for strengthening of administration under Fundamental Rule (FR) 56(j)/(l) and Rule 48 of CCS (Pension) Rules, 1972 chaired by Secretary, MoEFCC on 14th October 2024; chaired the meeting for disposal of office vehicle held on 16th October 2024 at ZSI, Kolkata; attended the Consultative Meeting cum Workshop to be held on 18th October 2024 at Guwahati, Assam in respect to development of galleries in RMNH, Gangtok and made a presentation on ‘The proposed plan of ZSI for NMNH Galleries Development at Gangtok. Delivered a brief lecture on Sunderbans during the inaugural session of the half yearly progress meeting of ZSI on 22nd October 2024; served as a Member Secretary of the Half Yearly Progress Monitoring Committee meeting held on 23rd to 25th October 2024 at Kolkata; served as a witness in the Chief Judicial Magistrate Court, Port Blair for Wildlife Crime case pertaining to marine turtle on 29th October 2024.
- » Dr Anjum N. Rizvi, Scientist- E, ZSI/HQ, Kolkata, attended Consultative meeting cum workshop at Guwahati, Assam held on 18th October 2024 for the development of galleries at RMNH, Gangtok; attended online meeting regarding Creation of Ridge

- Interpretation Centre under the chairpersonship of JS (NP) on 15th October 2024.
- » Dr. Aparna S. Kalawate, Scientist-E, ZSI/WRC, Pune, attended a Research Advisory Committee meeting of Goa Forest Department on 28th October 2024; Attended the *Vana Bhawan Katta* on 7th October 2024 and was felicitated by the Forest Department, Pune; was invited by the Sakhi Manch of Lokamt to release the new logo of Sakhi Manch at Lokmat office, Pimpri-Chinchwad Branch, Pune on the eve of Silver Jubilee ceremony of the Sakhi Manch on 18th October 2024.
 - » Dr. Avtar Kaur Sidhu, Scientist-E, ZSI/HARC, Solan, attended online meeting regarding Swachhata Hi Sewa (SHS 2024) campaign Hosted by IT Division MoEF & CC on 1st October 2024 and online meeting regarding Special Campaign 4.0 for institutionalizing Swachhata and Minimizing pendency in Government Offices held under the Chairmanship of Sh. Satyajit Mishra, Joint Secretary, MOEF&CC on 11th October 2024.
 - » Dr. C. Sivaperuman, Scientist-E, ZSI/ANRC, Port Blair, attended Doctoral Committee meeting at Department of Ocean Studies and Marine Biology, Pondicherry University to review the ongoing research work on 7th October 2024; attended interactive meeting with newly selected lectures at the Department of Management Studies, Pondicherry University to review the ongoing research work on 7th October 2024; attended meeting with Principal Chief Conservator of Forests, and discussed about the upcoming Great Nicobar Projects 8th October 2024; attended Ph.D. Viva voce examination at Department of Ocean Studies and Marine Biology, Pondicherry University to review the ongoing research work on 9th October 2024; attended Departmental Promotion Committee (DPC) for review the administrative staff for promotion on 28th October 2024.
 - » Dr. Deepa Jaiswal, Scientist-E and Dr. Karuthapandi.M, Scientist-D, ZSI/FBRC, Hyderabad, attended a meeting of Nodal officers of Wetland Authority for the state of Telangana on 8th October 2024 held at Telangana Secretariat; attended a Workshop Forest PLUS 3.0 Programme Conducted by Government of Andhra Pradesh at Vijayawada, Andhra Pradesh on 15th October 2024.
 - » Dr. Gaurav Sharma, Scientist-E and Mr. Manoj Kumar Meena, Scientist-B, ZSI/NRC, Dehradun, participated in the “35th Wildlife Institute of India Annual Research Seminar 2024” held at Conference Hall of Wildlife Institute of India, Dehradun on 5th and 6th October, 2024. Dr. Gaurav Sharma, attended “Wildlife Institute of India Training, Research and Academic Council (WII-TRAC) Meeting” held at Board Room of Wildlife Institute of India, Dehradun on 4th October, 2024; attended meeting with Hon’ble Lt. General Gurmeet Singh Ji, Governor of Uttarakhand and attended “Wildlife Week (2nd to 8th October 2024) Function Closing Ceremony” held at Uttarakhand Hon’ble Governor house Conference Hall organized by Uttarakhand Forest Department, Dehradun on 8th October 2024; participated in the MoEFCC “Meeting of all the Head of Organizations, Nodal Officers of Division and Organization under the Ministry on Special Campaign 4.0 for Institutionalizing Swachhta and minimising pendency in Government Offices” through virtual mode on 16th October, 2024.
 - » Dr. Indu Sharma, Scientist-E and Officer-in-Charge, ZSI/DRC, Jodhpur, attended the special campaign 4.0 meeting organized by Sh. Satyajit Mishra, MoEF & CC on 19th September, 2024 regarding identification of 11 parameters and to enter them in google sheet under preparatory phase; attended the SHS meeting organized by MoEF& CC, IIT on 1st October 2024.

- » Dr. M. E. Hassan, Scientist- E, ZSI/GPRC, Patna, attended review Meeting under Chairmanship of Joint Secretary, MoEFCC on Special Campaign 4.0 for institutionalizing Swachhata and Minimizing Pendency in Government offices.
- » Smt. IJ Kharkongor, Scientist -E & L.S Khongsai, SZA, ZSI/APRC, Itanagar, attended the Wildlife Week organized by GB Pant, Itanagar on 8th October 2024.
- » Dr. P. C. Pathania, Scientist-E, ZSI/HARC, Solan, attend online McGuire Center Emerging Horizons Series talk on the topic entitled, “Host plants as Mediators of Caterpillar-Natural Enemy Interactions” given by Dr John Lill, Georgetown University, Washington, DC organized by Director, Curator, and Professor McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, University of Florida, Powell Hall, 3215 Hull Road, Gainesville, FL 32611-2710 USA on dated 8th and 22nd October 2024.
- » Dr. P.S. Bhatnagar, Scientist-E and Dr. S. D. Paunikar, Scientist-E, ZSI/CZRC, Jabalpur, attended a meeting on Special Campaign 4.0 with Joint Secretary, MoEF&CC on various dates of October 2024; Dr. P.S. Bhatnagar, and Officer-in Charge and Mr. Samarjeet Suman, Office Superintendent attended the रोजगार मेला organized by Gol on 29th October 2024.
- » Dr. S. Balakrishnan, Scientist – E and Dr. P.C. Tudu, Scientist – D, ZSI/MARC, Digha, attended meeting regarding Swachhata Hi Sewa (SHS 2024) campaign Hosted by IT Division MoEFCC on 1st October 2024; attended review Meeting through video conference under the Chairmanship of Sh. Satyajit Mishra, Joint Secretary, MoEFCC on 11th October 2024 to review the progress on Special Campaign 4.0 for institutionalizing Swachhata and Minimizing Pendency in Government offices, specifically with regard to Record Management and Meeting of all the Head of Organizations, Nodal Officers of Division and Organizations under the Ministry, Hosted by MOEFCC on 16th October 2024.
- » Dr. S.D. Gurumayum, Scientist -E & Temjenmongla, Scientist -D, ZSI/APRC, Itanagar, attended state Research Advisory Committee held on 14th October 2024 at the office of PCCF, WL, Gov. of AP.
- » Dr. V.D. Hegde, Scientist-E, ZSI/WGRC, Kozhikode, attended a meeting of State Board for Wildlife, Kerala through online on 5th October 2024.
- » Dr. Tamal Mondal, Scientist- D, ZSI/HQ, Kolkata, attended a meeting on activities of subordinate offices under MoEFCC virtually on 3rd October 2024; attended assessment of newly joined Senior Zoological Assistants on 3rd and 4th October 2024.
- » Dr. Md. Jafer Palot, Scientist-C, ZSI/WRC, Pune, served as a member in the Interview Committee to select three project biologists for the LTEO Project on 25th September 2024.
- » Dr. Sandeep Kushwaha, Scientist-C, ZSI/CZRC, Jabalpur, attended a meeting of Wildlife board of Madhya Pradesh with Hon'ble Chief Minister, Madhya Pradesh at Bhopal on 30th September 2024; attended a meeting of Jigayasa with Hon'ble Education Minister of Madhya Pradesh on 26th October 2024.
- » Shri. Sreejith S. Kumar, Assistant Zoologist, ZSI/WGRC, Kozhikode, attended पुनश्चर्या अनुवाद प्रशिक्षण कार्यक्रम organized by the Central Translation Bureau, Bengaluru from 221st to 25th October 2024.
- » Smt. Rita Deb, Assistant Zoologist, ZSI/WRC, Pune, attended meetings on Special Swachata Campaign 4.0 on 30th September, 11th and 16th October 2024 under the chairmanship of Shri Satyajit Mishra, Joint Secretary.

TRAININGS ORGANIZED

- » Dr. Aparna S. Kalawate, Scientist-E, ZSI/WRC, Pune, provided training to one student from Savitribai Phule Pune University and one student from Wadia college, Pune, for beetle taxonomy, and insects collection, preservation and identification for their M.Sc. dissertations.
- » Dr. Gaurav Sharma, Scientist-E, ZSI/NRC, Dehradun, organized training programme entitled “Status and conservation of Wildlife in India” to celebrate “Wildlife Week” and also organized “Poster Making Competition on Wildlife Conservation” to 82 students and 8 staff of Government Primary and Secondary School, Kotda Santour, District-Dehradun, Uttarakhand in school campus.
- » Dr. K.P. Dinesh, Scientist-E, ZSI/WRC, Pune, provided training to Ms. Pranjali, student of Zoology Department, Savitribai Phule, Pune University on Caecilian taxonomy; provided training to Mr. Jaywardan Borde, student of Environmental Biology Department, Savitribai Phule Pune University in shortfalls in IUCN assessment of Indian Amphibians.
- » Dr. S.K. Pati, Assistant Zoologist, ZSI/WRC, Pune, provided training on brachyuran crabs and GIS applications to two M.Sc. students and a Ph.D. student.
- » Dr. Uttam Saikia, Scientist- D, ZSI/NERC, Shillong, imparted a hands-on training on specimen-based identification and field capture methods of bats to Pratik Das, Ph.D. student, Indian Institute of Sciences, Bangalore from 14th to 18th October 2024.
- » ZSI/APRC, Itanagar, provided training on insects and herpetofauna of Arunachal Pradesh on 22nd & 23rd October 2024 to 24 B.Sc. (Forestry) students from NERIST, Nirjuli, and JIGYASA, University, Dehradun at the training programme organized by the State Forest Research Institute, Itanagar.
- » ZSI/MBRC, Chennai, organized internship programme from 15th September to 4th October 2024 for ten post-graduate

students in marine biology at the Centre for Advanced Studies in Marine Biology, Annamalai University.

- » ZSI/WGRC, Kozhikode, provided one week internship to the Ph.D. scholars of Govt. Arts College, Ooty from 14th to 18th October 2024.
- » ZSI/WRC, Pune, organised a one-day seminar on “Lesser-Known Wildlife of Sahyadri-Frogs and Butterflies” on 4th October 2024.

TRAININGS ATTENDED

- » Mr. Samarjeet Suman, Office Superintendent, ZSI/CZRC, Jabalpur, attended the training at the Office of Sr. Supt. of Post, Jabalpur on National Postal Week.

LECTURES DELIVERED

- » Smt. IJ Kharkongor, Scientist-E, ZSI/APRC, Itanagar, delivered two lectures as Resource Person during the Training for B.Sc. (Forestry) students organized by SFRI, Itanagar on “Butterfly diversity and Conservation w.r.t. Arunachal Pradesh” (on 22nd October 2024) and “Introduction to the Herpetofauna of Arunachal Pradesh” (on 23rd October 2024).
- » Dr. G. Srinivasan, Scientist-E, Dr. Temjenmongla, Scientist-D, and Shri Yomto Mayi, SPF, ZSI/APRC, Itanagar, delivered lectures on different topics to the forestry student of NERIST, Nirjuli and JIGYASA University, Dehradun in their 70 Days internship programme in Centre from 21st to 24th October 2024.
- » Dr. Deepa Jaiswal, Scientist-E, ZSI/FBRC, Hyderabad, delivered an invited lecture on “Aquatic Insects of Eastern Ghats” on 3rd October 2024 at CCMB-LaCONES.
- » Dr. C. Sivaperuman, Scientist-E, ZSI/ANRC, Port Blair, delivered four lectures on “An overview of Ice Continent of Antarctica”; “An overview of Biodiversity of Andaman

- and Nicobar Islands”; “Carrier Guidance for the 10th and 12th students on the higher education in India”; “Motivational Talk” on 16th October 2024 at Jawahar Novdaya Vidyalaya, Rangat, Middle Andaman; delivered two lectures on “An overview of Biodiversity of Andaman and Nicobar Islands”; “Motivational Talk” on 18th October 2024 at Mahatma Gandhi Government College, Mayabunder, Middle Andaman; delivered two lectures on “An overview of Biodiversity of Andaman and Nicobar Islands”; and “Peoples Biodiversity Register” on 18th October 2024 for the officials of Department of Environment and PRI Members of the North & Middle Andaman Districts.
- » Dr. Gaurav Sharma, Scientist-E, ZSI/NRC, Dehradun, delivered lecture on topic entitled “Status and conservation of Wildlife in India” to 82 students and 8 staff of Government Primary and Secondary School, Kotda Santour, District-Dehradun, Uttarakhand on 7th October 2024.
 - » Dr. Kamal Saini, Scientist-B, ZSI/HARC, Solan, delivered an invited talk on Biodiversity Conservation in Three-day Environment Awareness programme organized by the SCERT, Solan on 9th October 2024.
 - » Dr. Aparna S. Kalawate, Scientist-E, ZSI/WRC, Pune, delivered a talk on “Common Butterflies and Moths of Western Ghats” in a one-day seminar on “Lesser-Known Wildlife of Sahyadri–Frogs and Butterflies” organised by ZSI, WRC, Pune on the occasion of Wildlife Week celebration on 4th October 2024.
 - » Dr. K.P. Dinesh, Scientist-E, ZSI/WRC, Pune, delivered a talk on “Status of Amphibian Diversity in India” in a one-day seminar on “Lesser-Known Wildlife of Sahyadri–Frogs and Butterflies” organised by ZSI, WRC, Pune on the occasion of Wildlife Week celebration on 4th October 2024; delivered a lecture on “Integrative Taxonomy” to the M.Sc. Zoology students of Savitribai Phule Pune University at ZSI, WRC, Pune on 14th October 2024.
 - » Dr. D.S. Suman, Scientist-E, ZSI/EBRC, Gopalpur-on-Sea, delivered an invited lecture and chaired a session in the international conference on Current trends in Toxicology (ICCTT) at the 3rd annual meeting of the Society of Toxicology (India), STOX, 2024 organised by Lovely Professional University, Punjab from, 16th to 18th October 2024.
 - » Dr. K.P. Dinesh, Scientist-E and Dr. Md. Jafer Palot, Scientist-C, ZSI/WRC, Pune, participated in the Wildlife Day Celebration at Aralam Wildlife Sanctuary, Kannur district, Kerala on 3rd October 2024 and delivered a talk on Importance of Aralam Wildlife Sanctuary.
 - » Dr. Indu Sharma, Scientist-E, ZSI/DRC, Jodhpur, delivered three invited lectures at State Forest Office, Jodhpur to Refreshment course and two invited lectures at Police Training Centre, Mandore, Jodhpur, Rajasthan on 11th October 2024.
 - » Dr. P.S. Bhatnagar, Scientist-E and Dr. Sandeep Kushwaha, Scientist –C, ZSI/CZRC, Jabalpur, delivered a lecture on Lesser known species of Chhattisgarh at two-day national conference on “Wildlife Biodiversity and Minor Forest Produce Treaty Approach Based on “@2047” organized under the joint aegis of Atal Bihari Vajpayee University, Bilaspur and Zoological Survey of India, Jabalpur on 7th October 2024.
 - » Dr. Sandeep Kushwaha, Scientist –C, ZSI/CZRC, Jabalpur, delivered a lecture on the official language working policy and the working system of the Zoological Survey of India during the Hindi Pakhwara in the Survey of India, Jabalpur on 26th September 2024. He also delivered a lecture at Five days Karyasala-Jigyasa organized by MPCST, Vigyan Bharti and Veterinary University Jabalpur on 26th October 2024.

- » Dr S.K. Pati, Assistant Zoologist, ZSI/WRC, Pune, delivered a lecture on “Animal Taxonomy” to the M.Sc. Zoology students of Savitribai Phule Pune University at ZSI, WRC, Pune on 14th October 2024.
- » Shri Bhaskar Saikia, Assistant Zoologist, ZSI/NERC, Shillong, delivered an invited talk (via online) on “Natural Heritage & Natural History” organized by Lalit Chandra Bharali

College, Guwahati to celebrate the Wildlife Week 2024 on 7th October 2024.

- » Smt. Shabnam Ansari, Senior Zoological Assistant, ZSI/WRC, Pune, delivered a lecture on “Application of DNA barcoding” to the M.Sc. Zoology students of Savitribai Phule Pune University at ZSI, WRC, Pune on 14th October 2024.

PHOTO GALLERY



As a part of Swachhata Hi Seva 2024, Sansthanon Swachhata, Dr. Dhriti Banerjee, Director, ZSI inaugurated the installation of e-waste bins to dispose e-waste and Smart Bin to dispose Plastic pet bottles at ZSI, Kolkata on 1st October 2024

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Health protects if She is Protected

संघर्षे जीवति
स्वच्छता

एक कदम स्वच्छता की ओर

SWACHHATA HI SEVA 2024
17th September - 2nd October 2024

Swabhav Swachhata, Sanskaar Swachhata

As a part of Swachhata Hi Seva 2024 observed from 17th September to 1st October 2024 with the theme of 'Swabhav Swachhata Sanskaar Swachhata', Zoological Survey of India conducted 16 Health Camps for more than 350 Safai Mitras and Contractual Staff across India. Check up and diagnostic tests were done by CGHS empanelled Hospitals.



On 2nd October 2024, Dr. Dhriti Banerjee, Director, ZSI as the Guest of Honour at the 7th edition of Disha Samman 2024 organized by Disha Eye Care at the Biswa Bangla Convention Centre, New Town which honours the achievements of visually challenged individuals and supportive organizations.



Rajbhasha Prize Distribution on 4th October 2024 at ZSI HQs. Director ZSI distributed the prizes to the winners of Hindi Competition in Hindi Pakhwada 2024 which was held from 11th September to 25th September, 2024 and motivated staff to increase the participation.



The Half Yearly Progress Monitoring Committee meeting of the ZSI HQ's Office and Regional Centres was conducted from 23rd to 25th October 2024 at The Lalit Great Eastern, Kolkata to evaluate the Scientific, Accounts and Administrative Progress made during the period of 1st October to 30th September 2024 under the Chairmanship of Dr. K. Venkataraman, Former Director, ZSI and External Member Dr. Urmi Chatterji, Professor, University of Calcutta.



Students from Forest Training School, Gujrat during their visit Zoological Survey of India, HQ, Kolkata