



ZSI enews



सत्यमेव जयते



Zoological Survey of India, 1916



From the Director's Desk



Indeed, it is a matter of pride that Hon'ble Governor of Himachal Pradesh Shri Rajendra Vishwanath Arlekar inaugurated the museum of ZSI-Himachal Pradesh Regional Centre, Solan. As a part of biodiversity awareness Headquarters and all the Regional Centres celebrated International Day for Biological Diversity – 2022 under theme 'Build a shared future for all life' by conducting various programmes with the participation of students. In order to disseminate the knowledge on taxonomy, ZSI signed the MoU with Harishsingh Gour Central University, Bhopal, Madhya Pradesh. Annual Progress Research meeting of ZSI was conducted at ZSI headquarters, Kolkata under the chairmanship of Former Director of ZSI, Dr. K. Venkataraman from 10th to 12th May, 2022. Altogether 49 new research programmes have been inducted in the financial year 2022-23. The month witnessed with the identification of 15736 specimens comprising 2360 species. Thirteen species under Insecta and Annelida are newly described while 4 species of insects and mollusc were reported new addition to Indian fauna during the month. Around 102 DNA barcodes have been generated and uploaded in GenBank while augmenting 201 species to National Zoological Collections of ZSI. The key findings of ZSI has been published as 22 papers in the journals of scientific repute, 26 book chapters and 4 popular articles.

I congratulate all the Officers and Staff of ZSI for making significant progress in May 2022.

Jai Hind

Dr. DHRITI BANERJEE
Director
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Cover photo: Blackbuck
Antelope cervicapra (Lin-
naeus, 1758)

HEADQUARTERS, KOLKATA

The inputs on the observations made by Environmental Appraisal Committee (EAC) of MoEFCC for the EIA report on Holistic Development of Great Nicobar Island submitted to Ministry of Home Affairs, Government of India on 3rd May 2022. The comments for EU proposals for CITES CoP 19 for Hammer headed sharks and sea cucumber *Thelenata* prepared and comments for draft policy for Invasive Alien Species submitted to MoEFCC on 26th May 2022. Altogether 6651 faunal specimens comprising 1286 species have been identified

from Protozoa to Mammalia. A total of 7 species including Lepidopteran insects *Teliphasa dodaki* Ranjan, Singh & Kirti, *Teliphasa spinaejuxta* Ranjan, Singh & Kirti, *Caissa kashungii* Irungbam, Ahmad, Singh, Solovyev and *Squamosa wungchanngamii* Irungbam, Ahmad, Singh, Solovyev; Hymenopteran insect *Atanycolus tangmargensis* Ahmed & Kazmi, 2022; earthworm *Tonoscolex kalimpongensis* Ahmed & Julka, 2022 were newly described. In addition, Mollusc *Salcerato recondita* Melvill & Standen, 1903, Lepidopteran

insects *Teliphasa hamata* Li in Liu, Wang & Li, 2016, *S. chalcites* Orhant, 2000, *Cania (Paracania) robusta* Hering, 1931 and *Rhamnosa (Rhamnosa) convergens* Hering, 1931; Hymenopteran insect *Ectopioglossa sumbana* Vandervecht, 1963 were recorded first time from India. Fifty seven species belonging to Lepidoptera, Hymenoptera, Nematoda and Platyhelminthes were augmented to National Zoological Collections while generating 46 DNA barcodes. Identification services rendered on confiscated materials to Assistant

Wildlife Warden Jaldapara National Park, Madarihah, West Bengal, District Forest Officer, Dindigul Forest Division, Tamilnadu Shrinagar Police Station Shrinagar, Sector 2 and Bhatwadi Kisannagar No. 3 Wagle Estate Thane(W). Furthermore, Sambalpur University, Odisha; Regional Central Integrated Pest Management Centre, Salt Lake; IARI, New Delhi; on earth worms to Kumaun University, Nainital were also benefitted by providing identification services for different groups of insects. International

Biological Diversity Day – 2022 was celebrated by organizing elocution competition for the graduate and postgraduate college students on the theme of ‘Building shared future for all life’.

Dr. Dhriti Banerjee, Director, ZSI in a meeting at Indian Museum Kolkata



NORTH EASTERN REGIONAL CENTRE, SHILLONG, MEGHALAYA

Awareness programme on the occasion of International Day for Biological diversity

Scientists of the centre identified 45 species (Pisces- 13 spp., Amphibia- 05 spp., Reptilia- 04 spp., Mammalia- 04 spp., Crustacea- 02 spp., Coleoptera- 04 spp., Hemiptera- 13 spp.). Two manuscripts were reviewed for the journals *Applied Biological Research*, Srinagar, India and *Reptiles & Amphibians*, USA. Identification & advisory service rendered for a reptile specimen to Himachal Pradesh State Biodiversity Board. Anti-terrorism pledge was taken by the staff members on 21st May. As a countdown to 8th International Yoga Day, a yoga programme was organized with Meghalaya Yoga Samiti on the 7th May 2022.



WESTERN REGIONAL CENTRE, PUNE, MAHARASHTRA

Book release on Fauna of Koyna WLS

barcodes belonging to amphibians (mt COI) of the peninsular India were submitted to the Gen Bank. Ten days summer camp "Anusandhan" has been jointly organized by Kendriya Vidyalaya, Pune and WRC, Pune for students. Yoga month was celebrated. Anti-terrorism day was observed and pledge was taken by the WRC, Scientists and staff. Identification and advisory services rendered to Department of Zoology, Modern College of Arts, Science, and Commerce, Ganeshkhind, Pune and Western Ghat Regional Centre, ZSI for Coleoptera; and to KTHM College, Gangapur road, Shivaji Nagar, Nashik, Maharashtra for Hemiptera. Installed a stall of WRC, Pune showcasing the work of ZSI at IISER, Pune on the eve of International Biodiversity Day (IDB) on 22/05/2022 organised by IISER, Pune and MSBB, Nagpur.



Shri Ashwini Kumar Choubey, the Hon'ble Minister of State, Environment Forest and Climate Change, Government of India took a review of the progress on the functioning of the Zoological Survey of India, with special emphasis on Western Regional Centre of ZSI at Pune on 29th April 2022. During the occasion, in the presence of Director, ZSI, Dr. Dhriti Banerjee, he released a ZSI Publication on "Fauna of Koyna Wildlife Sanctuary, Maharashtra". An MoU for research has been signed with Shivaji University, Kolhapur. During the occasion, in the presence of Director, ZSI, Dr. Dhriti Banerjee, the Vice Chancellor, Shivaji University, Kolhapur released a ZSI Publication on "Fauna of Navegaon National Park, Maharashtra". One survey under LTEO project conducted to Nilgiri Biosphere Reserve part of Nilambur forests, Kerala from 18th April to 3rd May 2022. Total 116 species belonging to 08 different faunal groups have been identified during this month. A total of twenty mt DNA

MoU signing between Shivaji University, Kolhapur and ZSI



CENTRAL ZONE REGIONAL CENTRE, JABALPUR, MADHYA PRADESH

Gazella banetti
(Syles, 1831)

Dr. P. S. Bhatnagar, Scientist-E took charge as the Officer-in-Charge of Central Zone Regional Centre, Zoological Survey of India, Jabalpur (M.P.). During the month the centre identified and registered 86 species comprising Coleoptera, Lepidoptera, Hemiptera, Odonata, Arachnida and Amphibia. Identification and Advisory services rendered to Jawaharlal Nehru Krishi Vishvidyalaya, Jabalpur on Hemiptera. Officers and staff of the CZRC took the pledge on the occasion of Anti-terrorism day on 20.05.2022. Fibre glass sculpture of



Minervarya syhadrensis (Linnaeus, 1919), Sahyadri Cricket Frog was prepared by Shri Saurav Pal, Artist Grade-I and added into the museum.

Red Wattlebird Lapwing,
Vanellus indicus
(Boddaert, 1773)

DESERT REGIONAL CENTRE, JODHPUR, RAJASTHAN

Pavo cristatus Linnaeus, 1758



Total 77 species (10 species of Arachnida, 6 species of Gastropoda, 54 species of insects & 7 species of Pisces) have been identified for the month. Azadi Ka Amrit Mahotsav Year and 8th International Day of Yoga celebration started by taking the Yoga pledge by all the officials on 6th May, 2022. Celebrated World Bee Day on 20th May 2022 at DRC, ZSI Jodhpur and delivered two Lectures by Dr. Indu Sharma and Dr. R. H. Raina on the "Importance of Bumble bees and their conservation" and "Diversity of Pollinators (Hymenoptera) and their role in pollination ecology" to the P.G. students of JNV University, Jodhpur at the Centre. Pledge on the observance of Anti-Terrorism Day was taken by all officials on 20th May 2022 at DRC, ZSI Jodhpur. Celebrated "International Day for Biological Diversity" on 22nd May 2022 at DRC, ZSI Jodhpur and organized an inter-school quiz competition between four different schools at the Centre.

Events organized at
DRC, ZSI, Jodhpur

Pledge during Anti-Terrorism Day (20th May 2022)



World Bee Day (20th May 2022)



Biological Diversity (22nd May 2022)



NORTHERN REGIONAL CENTRE, DEHRADUN, UTTARAKHAND

Scientists of the centre identified 67 species belonging to eight faunal groups. One DNA barcode was generated belonging to Aves. Sixty seven Foresters/Deputy Rangers, Forest & Wildlife Department, Haryana Forest Department during their visit to ZSI, NRC, Dehradun on 24th May 2022. The Anti-Terrorism Day was observed on 20 May, 2022 by taking Pledge. Two research papers were reviewed for National Journals.



Haryana Forest Department
Forest trainees visit at NRC

Himalayan bulbul, *Pycnonotus leucogenys* (Gray, 1835)

SOUTHERN REGIONAL CENTRE, CHENNAI, TAMIL NADU

The centre participated and displayed specimens and posters in the International Day for Biological Diversity exhibition organized by National Biodiversity Authority on the theme "Biodiversity, Nutritional security and Human Well-Being" on 22nd May, 2022 at Kalaivanar Arangam, Chennai. The scientists of the centre identified 140 species of Zooplankton, Ephemeroptera, Odonata, Lepidoptera, Psocoptera, Mollusca, Pisces, and Reptiles. Confirmed distribution of the snake species, *Dendrelaphis bifrenalis* (Boulenger, 1890) reported in India.



Visit of Director, ZSI to SRC on 22nd May 2022



Bronzeback tree snake
Dendrelaphis bifrenalis
(Boulenger, 1890)



GANGETIC PLAINS REGIONAL CENTRE, PATNA, BIHAR



visited the GPRC ZSI Patna museum. Scientists of the centre identified 1296 examples containing 11 species. One seized material, Red-eared Slider (*Trachemys scripta elegans* (Wied-Neuwied, 1839)) an American turtle species, was identified for the PCCF (Wildlife) Jharkhand.

Bufo melanostictus
Schneider, 1799.

Eublepharis hardwickii
Gray 1827



A stall was installed in ZSI Museum for awareness campaign for students and common mass. 138 students from PG Dept. of Zoology, Patna University, 35 Students from JD Women's College, Patna, 22 Students from Sri Arvind Mahila College, Pataliputra University, Patna and 41 Students from Environmental Science and Management, Patna University,

HIGH ALTITUDE REGIONAL CENTRE, SOLAN, HIMACHAL PRADESH

His Excellency Governor of Himachal Pradesh Shri Rajendra Vishwanath Arlekar inaugurated the "National Himalayan Faunal Repository cum Museum" on 28-05-2022. Dr Dhriti Banerjee Director ZSI and Dr. K. Venkataraman Former Director were also present to grace the occasion. The scientists of the centre identified 30 species of Lepidoptera and Orthoptera. Identification and advisory services were rendered for 17 species to different universities and institutes (Punjab University, Chandigarh, Baru Sahib University, Himachal Pradesh, Himalayan Forest Research Institute, Panthaghatti, Shimla and Punjab Agricultural University, Ludhiana). One research manuscript was reviewed for the *International Journal of Neurosciences*.



His Excellency Governor of Himachal Pradesh Shri Rajendra Vishwanath Arlekar inaugurated the "National Himalayan Faunal Repository cum Museum" on 28-05-2022, Dr Dhriti Banerjee Director ZSI and Dr K Venketraman Former Director also present to grace the occasion

MARINE BIOLOGY REGIONAL CENTRE, CHENNAI, TAMIL NADU



Thelenota ananas (Jaeger, 1833)

As part of the celebrations on International Biodiversity Day on 22 May 2022, the Centre hosted a stall at the expo, "Biodiversity, Nutritional Security and Human Well-being", organized by National Biodiversity Authority. One survey tour was conducted along the coasts of Tamil Nadu and Kerala from 01.10.2022 to 10.05.2022 under the study 'Molecular taxonomy, distribution, and species diversity of fishes of the order Gobiiformes from Indian waters'. Scientists



Crustose Coralline Algae (*Goniopora* sp.)

have identified 516 species scleractinian specimens under the project 'Revision and Review of scleractinian diversity of India'. Three B.Tech. (Biotechnology) students from JEPPIAR Engineering College, Chennai, completed their internship at this Centre. Scientists of the Centre registered 64 species : Bryozoan - 01 species, Nematodes - 19 species, Foraminifera - 04 species, Echinodermata - 02, species, Scleractinians 03 species, Mollusca - 20 species, and Fishes - 15 species. The Centre's scientists also rendered two identification services to outside agencies.

ANDAMAN AND NICOBAR REGIONAL CENTRE, PORT BLAIR

Scientists of the centre conducted two surveys to Nancowry group of Islands during 18th May to 31st May 2022 and Great Nicobar Island from 25th to 31st May 2022, also eight days local field surveys were conducted in South Andaman i.e., Airport, Kalatang, Sippighat, Ograbraj, Chouldhari, Chidiyatapu, South Andaman to study the terrestrial faunal diversity during 7th, 13th, 14th, 20th, 21st, 25th, 27th & 28th May 2022. A total of 398 species comprised of Coral 88 species (Zooantharia: 2 spp.; Fishes: 32 spp.; Helioporacea: 1 sp.; Alyonacea: 1 sp.; Porifera: 6 spp.; Actinaria: 2 sp.) were identified from the marine environment and Lepidoptera: 114 spp.; Arachnida: 34 spp.; Birds: 118 spp. were identified from the terrestrial environment. Metadata for 353 registered specimens have been prepared, of which, 86 specimens belong to marine ecosystem and 267 specimens under terrestrial ecosystem. Reviewed three research proposals received from NCPOR in connection with the Antarctica Expedition and submitted report on marine faunal diversity in the Radhanagar Beach to A & N Administration in connection with the Blue Flag Certification. Prepared and submitted Map on the Saltwater Crocodile Habitat at Great Nicobar Island to PCCF, Department of Environment and Forests, ANI. 4 species of Echinoderms were identified for the Department of Environment & Forests, Andaman & Nicobar Islands.

Linckia laevigata Linneaus 1758



Tubastrea micrantha Ehrenberg 1834



SUNDERBAN REGIONAL CENTRE, CANNING, WEST BENGAL

Anti-Terrorism day pledge



International day of Biodiversity

Scientists of the centre have identified 145 species comprising 88 spp. of mollusca, 49 spp. of fish, 3 spp. of crustaceans and 5 spp. of echinoderms. The members of the centre conducted five days local survey on 7th, 14th, 21st, 24th, 25th May 2022 and collected samples of Fish, Mollusca and Crustacea. 16 species of Mollusca and 4 species of Fishes were augmented this month. Conducted drawing competition and yoga activities on 6th May 2022 under 8th International Yoga Day 2022. Anti-Terrorism day was observed on 20th May 2022 in SbRC Canning and International day of Biodiversity – Questioner survey along Matla river on 25th May 2022.

FRESHWATER BIOLOGY REGIONAL CENTRE, HYDERABAD, TELANGANA

Flamingos in Rollapadu Wildlife Sanctuary



Celebrated the International Day for Biodiversity on 22nd May 2022. On this occasion Drawing and Painting competitions were arranged. Dr. Trinath Kumar, IFS, Inspector General of Forests, Integrated Regional Office, MOEFCC, Hyderabad was the chief guest of the Programme who enlightened the students on the importance of Biodiversity conservation. Dr. Rasingam, Officer-in-Charge, BSI was the Guest of Honor for the function. The scientists, staff and research scholars of the centre identified 17 species of Aquatic Coleoptera, 24 species of Aquatic Hemiptera, 5 species of Ostracoda, 5 species of Branchiopoda, 12 species of Mollusca and 32 species of fishes from Andhra Pradesh, Maharashtra, Odisha, Tamil Nadu and Telangana during the month of May. As part of the digitization of the National Zoological Collections of the centre, 15 sequences corresponding to 10 species have been submitted to NCBI. Anti-terrorism day was observed at the centre on 20th May 2022 to abide faith in our country's tradition of Non-violence & tolerance and to oppose all forms of terrorism and violence. Scientists and staff of the centre practiced Yoga and took pledge to practice Yoga in daily lives on 6th May 2022 to mark the Countdown of 8th International Yoga Day.

International biodiversity day



WESTERN GHAT REGIONAL CENTRE, KOZHIKODE, KERALA

Uca perplexa (H.
Milne Edwards,
1852)

Tubuca arcuata (De
Haan, 1835)

Total 78 species in 60 genera belonging to 13 different faunal groups have been identified during this month. Training on insect collection and preservation



imparted to the B.Sc. Zoology students of Providence Women's College, Calicut on 24 May, 2022. Identification services rendered to Dept. of Zoology, Govt. College Payyanur, Kerala on Mollusca. A yoga session was conducted by Yogacharya Dr T.N. Vijayakumar of Calicut SkyTrust on 06.05.2022 on behalf of 8th International Day of Yoga (IDY) celebrations. Anti-Terrorism pledge was taken by all officers and staff of the centre on 20.05.2022. International Day for Biological Diversity was celebrated at WGRC, ZSI on 22.05.2022 by conducting PPT competition among Research Scholars of WGRC, ZSI on the Topic "Building a shared future for all Life" to make awareness regarding the need for conserving the biodiversity.

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

Nine days survey to Turtle nesting site was conducted to monitor the turtle nesting sites during the cyclone time. One day local survey to Bahuda estuary was also carried out. A total of 60 species were identified which includes crustaceans, molluscs and fishes. Five research scholars from Ravenshaw University got trained on Basics of collection, preservation and identification of estuarine fauna from 6th -11th May, 2022 on request from the University. World turtle day was celebrated on 23rd May and World Otter Day on 25th May. During World Turtle Day one video documentary was released. Reviewed 4 MS for different journals.



Celebration of World Otter Day



Celebration of
World Turtle Day

View of Eagle Nest WLS,
Arunachal Pradesh



ARUNACHAL PRADESH REGIONAL CENTRE, ITANAGAR



Zephronia disparipora Attems

A total of 29 species belonging to 4 species of Lepidoptera, 5 species of Orthoptera, 4 species of Decapoda, 9 species of Mollusca, 5 species of Amphibia and 1 species of Reptilia from 547 examples were identified & registered.

MARINE AQUARIUM AND REGIONAL CENTRE, DIGHA, WEST BENGAL

Three days local survey conducted [02nd, 24th & 25th May 2022] at Digha Mohana & Udaypur, West Bengal and collected samples of fishes, polychaete and 02 crabs collected. This centre have identified total 81 species belonging to Chordata (34 spp.), Mollusca (45 spp.), Annelida (01 sp.) and Arthropoda (01 sp.). Reviewed two manuscripts for the journals: *Records of the Zoological Survey of India* and *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* and evaluated one Ph.D. thesis. Identification & advisory services were provided to Karnataka University based on 4 photographs. Provided hands on training on the molluscan identification to the student of Aquaculture Management, Ramnagar College.



Chicoreus banksii (G. B. Sowerby II, 1841)

Students of Ramnagar College



NEW DISCOVERIES AND NEW RECORDS

NEW SPECIES



Occipitotus langpramensis Singh & van Achterberg 2022 gen. et. sp. nov.

NEW RECORD



Ectoploglossa sumbana Vecht, 1963
(Hymenoptera: Vespidae)

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of Secretary, EFCC scheduled for 21.6.2022; conducted annual Programme of Research Meeting 2021-22 from 10th to 12th May, 2022; address & Presentation of Annual Progress Report of ZSI done for the year 2021-22 on 10.5.2022; attended pre-PhD Committee Meeting held at Dept. of Zoology, University of Calcutta on 19.5.2022; attended a panel discussion on the topic of 'The Power of Museums under the aegis of Azadi Ka Amrit Mahotsava', the Ministry of Culture on the occasion of the International Museum Day (IMD) on 18.5.2022 at Indian Museum, Kolkata as part of a week-long celebration of International Museum Week 2022 from 16th to 20th May 2022; inaugurated an Annual Wildlife Photography Exhibition Cum Contest "MOTHER EARTH 2022" organized by Akhone Aranyak Magazine at Gallery Gold, Kolkata from 20th to 22nd May, 2022; attended International Day for Biological Diversity (IBD) celebration aims to create awareness among the citizens and stakeholders on the importance and need for the conservation of biological diversity organized by the MoEFCC and the National Biodiversity authority (NBA) in association with National Centre for Sustainable Coastal Management, Wetland Authority, National Tiger Conservation Authority, Tamil Nadu State Biodiversity Board at Kalaivanar Arangam, Chempauk, Chennai on 22.5.2022; attended a thematic exhibition on "Biodiversity, Nutritional Security and Human Well-being" organized by NBA; addressed an International Webinar on International Day for Biological Diversity themed "Building a shared future for all life" organized by ENVIS Centre on Biodiversity (Fauna), ZSI on 24.5.2022; conducted online PPT Competition for PG Students & Researchers on topic of Invasive Alien Animal Species of India; served as Chief Guest at Celebration of International Day for Biological Diversity 2022 themed "Building a shared future for all life" organized by THE ASIATIC SOCIETY on 24.5.2022; inaugurated Molecular Biology Laboratory at Central National Herbarium (CNH), Botanical Survey of India (BSI), Howrah on 24.5.2022; signed MoU with Shri Harisingh University, Sagar on 25.5.2022; celebrated International Day for Biological Diversity 2022 and conducted Inter-college Elocution Competition through Training & Extension Division, ZSI on the theme of "Building A Shared Future For All Life" to create awareness among the youth to build a healthy, sustainable environment to protect the mother earth for future generations at ZSI HQ, Kolkata on 26.5.2022; attended an "Inaugural Programme of National Himalayan Faunal repository cum Museum" of Zoological Survey of India, High Altitude Regional Centre (HARC), Solan inaugurated by Hon'able Governor of Himachal Pradesh on 28.5.2022; attended the meeting of the Departmental Promotion Committee (DPC) at Union Public Service

MEETINGS ATTENDED

1. Dr. Dhriti Banerjee, Scientist G & the Director, ZSI attended Pension Adalat, 2022 on 5.5.2022 conducted by Dy. Secretary, Ministry of Personnel, P.G. & Pensions, and Dept. of Pension & Pensioners Welfare & furnished the detailed report of the cases taken up in the Pension Adalat; prepared and discussed a detailed action plan for the Yoga and associate activities in the meeting with all Divisional Heads under the Chairmanship

Commission (UPSC), New Delhi to consider the promotion to the post of Administrative Officer in Level-10, pay matrix of 7th CPC in ZSI, MoEFCC for the vacancy year 2022 on 30.5.2022; serving as a subject specialist to the Recruitment, Assessment and Promotion Committee (RAPC) of Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore.

2. Dr. C. Raghunathan, Scientist-F, ZSI, attended 49th meeting of Expert Committee for Eco-sensitive Zone (ESZ) of MoEFCC through virtual mode on 2.5.2022, made an inspection visit to GPRC, Patna with the capacity of Chief Vigilance Officer on 4-6.5.2022; attended meeting with CCU, MoEFCC at New Delhi regarding the architectural plan for proposed green building for EGRC, Amaravathi, Andhra Pradesh on 18.5.2022; attended the meeting with DG (Forests) and Special Secretary, MoEFCC to discuss the various issues related to the Project on Holistic Development of Great Nicobar on 18.5.2022; chaired the Library physical verification committee meeting held at ZSI HQ on 19.5.2022; attended the International Day for Biological Diversity- 2022 at West Bengal Biodiversity Board on 22.5.2022; attended the 3rd EAC meeting for Holistic Development of Great Nicobar Island at MoEFCC on 24.5.2022; attended meeting at CCU for preliminary drawing of EGRC, Amaravati on 24.5.2022.
3. Dr. Jasmine, P., Scientist-E and Dr. Souvik Sen, Scientist-D attended the MoU signing meeting (online) between ZSI and Dr. Harisingh Gour University, Sagar, M.P. (A Central University) on 25th May 2022.
4. Dr. Jasmine, P., Dr. Santosh and Dr. Souvik Sen, Scientist-D attended the meeting with MoEF & CC on the finalization of the list of Schedule species under WLPA on 24th & 25th May 2022.
5. Dr. Gaurav Sharma, Scientist-E and Dr. Narender Sharma, Scientist-E attended meeting of "Board of Studies on Animal Taxonomy" at Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun on 18th May, 2022; Dr. Gaurav Sharma, as an External Subject Expert Member attended meeting on evaluation of research work of Ms. Irina Das Sarkar for Fellowship upgradation from JRF to SRF organized by Nodal Officer, Wildlife Institute of India, Dehradun through virtual mode on 12th May, 2022.
6. Dr. C. sivaperuman, Scientist-E attended and coordinated Ph.D. Viva Voce in respect of Ms. Minakshi Dash, Research Scholar, ANRC/ZSI on 6th May 2022; attended meeting with PCCF, & CCF (Wildlife) in connection with the preparation of distribution of Saltwater Crocodiles and proposed

Crocodiles census in A & N Islands on 4th May 2022.

7. Dr. Gopal Sharma, Scientist-E attended a meeting of Inter-Agency Coordination Meeting organized by Wildlife Crime Control Bureau, New Delhi at VAN Bhawan in Ranchi Jharkhand on 19th May 2022; attended the meeting on "Principles of River Ecology and its application in Development of Biodiversity Park in Bihar" in Aranya Bhawan jointly organised by the Department of Environment, Forest and Climate Change, Govt. of India and Yamuna Biodiversity Park, New Delhi (under Delhi University) from 24th-26th May 2022.
8. Dr. Narendra Sharma, Scientist-E attended meeting on "Animal Taxonomy" at Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun on 18.5.2022.
9. Dr. Sathy, Scientist-C, served as a panelist for online panel discussion on "Analysis and Assessment of Challenges faced by Museums in post pandemic Scenario" on 18th May (International Museum Day), Organized by Regional Museum of Natural History, Bhubaneswar.

TRAININGS/ WEBINAR ORGANISED

1. Northern Regional Centre, Uttarakhand organized a training programme on Faunal diversity studies to 02 Faculty, 28 M.Sc. Zoology and 16 B.Sc. Wildlife Science students of Baba Farid Institute of Technology (BFIT), Dehradun on 17 May, 2022 and 67 Foresters/Deputy Rangers, Forest & Wildlife Department, Haryana Forest Department during their visit to ZSI, NRC, Dehradun on 24th May 2022.
2. One day seminar on "Basic tools and Concepts in Aquaculture management" was organized by Marine Aquarium Regional Centre, ZSI, for 50 students and 02 faculty members of B.Sc., 04th semester, Aquaculture Management Honours, Ramnagar College, Purba Medinipur District on 25th May 2022. One seminar with hands on training conducted by Marine Aquarium Regional Centre, ZSI, on the occasion of International Day for Biological Diversity 2022.
3. An awareness programme was organised jointly by North Eastern Regional Centre, ZSI with the Department of Zoology, Sankardev College, Shillong on the occasion of International day for Biological Diversity 2022 on May 23rd, 2022.

4. Dr. Aditya Kapil Valiveti, Scientist – B provided hands on training on the DNA Molecular & Barcoding to the student of Aquaculture Management, Ramnagar College on 25th May 2022.
5. Dr. Bindu. L., Dr P. Girish Kumar., Dr. Sreeraj. S and Dr. Kamalakannan gave training on insect collection and preservation imparted to the Zoology students of Providence Women's College, Kozhikode (24.5.2022).
6. APRC organized 'Biodiversity Walk' for students from Hornbill School, Itanagar on International Biological Diversity Day, 2022.
7. EBRC, ZSI, Gopalpur gave training to five research scholars from Ravenshaw Uni. on Basics of collection, preservation and identification of estuarine fauna from 6th -11th May, 2022 on request from the University.
6. Dr. Navneet Singh, Scientist-E delivered a lead talk during the Arctiinae Research Community Meeting on 20th May, 2022 on the topic 'Indian Arctiinae: taxonomic progress and road blocks for future headway.
7. Dr. N. Marimuthu, Scientist- D gave a keynote address on "Coral Biodiversity and its Restoration prospects in the Indian Sub-continent" in Lieu of International Day for Biological Diversity on 17.05.2022 at PSNA College of Engineering and Technology, Dindigul, Tamil Nadu.
8. Dr. Gopal Sharma Scientist E & Officer in-charge delivered a lecture on Conservation of Endangered Species of Bihar on 17th May 2022 before the students of Environmental Science and Management, Patna Science College, Patna University Patna during their museum visit at GPRC Patna.
9. P. G. S. Sethy, Scientist-B delivered one talk on "Taxidermy and its relevance" in a training programme organised by EBRC, Gopalpur.

LECTURES DELIVERED

1. Dr. C. Raghunathan, Scientist-F, ZSI, delivered a brief lecture on 'Status of Biodiversity' in the International Biological Diversity Day, 2022 celebration organized at ZSI HQ on 26.5.2022.
2. Dr. Deepa Jaiswal, Scientist-E delivered a lecture on theme "Building a shared future for all life" on the occasion of International Day for Biodiversity on 22nd May 2022.
3. Dr. Gaurav Sharma, Scientist-E delivered a lecture on topic entitled "Insect diversity in India" to 03 Faculty and 36 M.Sc. Zoology students of Department of Zoology, S.S.V. (P.G.) College, Hapur, Uttar Pradesh at Conference Hall of ZSI, NRC, Dehradun on 06 May, 2022; delivered lecture on topic entitled "Faunal diversity and their conservation in India" to 02 Faculty, 28 M.Sc. Zoology and 16 B.Sc. Wildlife Science students of Baba Farid Institute of Technology (BFIT), Dehradun at Conference Hall of ZSI, NRC, Dehradun on 17 May, 2022.
4. Dr Archana Bahuguna, Scientist E delivered a lecture on topic entitled "Introduction of ZSI and on Wildlife Forensic" to 67 Foresters/Deputy Rangers, Forest & Wildlife Department, Haryana Forest Department during their visit to ZSI, NRC, Dehradun on 24th May 2022.
5. Dr. Narender Sharma, Scientist-E delivered a lecture on topic entitled "Insect orders, Collection, Preservation and Identification" to a batch of 67 Foresters & Deputy Rangers from Haryana Forest Department, Govt. of Haryana on 24th May, 2022.
10. Dr. Bindu. L., Scientist-E, Dr P. Girish Kumar., Dr. Sreeraj. S Scientist D and Dr. Kamalakannan, Asst. Zoologist delivered lectures on various topics to the Zoology students of Providence Women's College, Kozhikode (24.5.2022).
11. Dr. Indu Sharma and Dr. R. H. Raina delivered lectures on the "Importance of Bumble bees and their conservation" and "Diversity of Pollinators (Hymenoptera) and their role in pollination ecology" to the P.G. students of JNV University, Jodhpur at the Centre.
12. Dr. P.C. Tudu, Scientist – C delivered interactive lecture to students of Hiralal Mazumdar College for Women, Daskshineswar on 07th May 2022.
13. Ms. Debashree Dam, Scientist – B, delivered a lecture on 'The Importance of marine aquarium in Aquaculture' in Regional language (Bengali) to 50 students and 02 faculty members of B.Sc., 04th semester, Aquaculture Management Honours, Ramnagar College, Purba Medinipur District on 25th May 2022 with a guided tour of Marine aquarium and Museum in MARC, ZSI, Digha as part of one day seminar on "Basic tools and Concepts in Aquaculture management"
14. Dr. K.P. Dinesh, Scientist-D Presented an online talk "DNA Barcoding and its application: students' approach" as a resource person at the Savitribai Phule Pune University sponsored two- day National level seminar on 'Recent Trends in Science' on 28th and 29 April, 2022 at Asian College of Science and Commerce, Pune.

15. Dr. M.J. Palot, Sci-B delivered a talk on the Importance of Kadalundi- Vallikunnu Community Reserve at the World Earth day Seminar on Biodiversity & Biogeography off Kadalundi- Vallikunnu Community Reserve, Kozhikode district, Kerala organized by the Biodiversity Management Committee (BMC) of Kadalundi Grama Panchayath on 30th April 2022 supported by Kerala State Biodiversity Board and Malabar Natural History Society, Kozhikode.
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TRAININGS ATTENDED

1. Dr. Kamal Saini, Asstt Zoologist participated two-day online training on E -Procurement, GeM & CPPP from May 13-14, 2022 organised by the Integrated Training & Policy Research (Training Division) New Delhi.
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2. Dr. Jhikmik Dasgupta attended an online training programme entitled "Learning about Insects" by Suhaib Yattoo, organized by Compassionate Living Team on 16th April, 2022.
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3. Mrs Rashmi Bhattacharjee, CSIR- Senior Research Fellow (SRF), Diptera section has received the first prize in poster presentation under the sub theme named "Host-parasite interaction "at International Symposium on 17th May 2022, organized by the Dept. of Zoology for UG and PG studies, Serampore College at Serampore, WB.
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PROMOTION

Dr. C. Raghunathan has been promoted as Scientist – F with effect from 26th May 2022 and posted at ZSI Headquarters, Kolkata.

EVENTS



Director, ZSI, Dr. Dhriti Banerjee, signing a MoU with Shri Harisingh University, Sagar on 25th May, 2022, organized an induction meeting for all the newly joined staffs of ZSI, HQ on 13th May, 2022



Director, ZSI, Dr. Dhriti Banerjee, attending panel discussion on the topic of 'The Power of Museums under the aegis of Azadi Ka Amrit Mahotsava', the Ministry of Culture on the occasion of the International Museum Day (IMD) on 18.5.2022 at Indian Museum, Kolkata



Director, ZSI, Dr. Dhriti Banerjee inaugurated Molecular Biology Laboratory at Central National Herbarium (CNH), Botanical Survey of India (BSI), Howrah on 24th May, 2022



Dr. Dhriti Banerjee, Scientist G & the Director, ZSI attended a thematic exhibition on "Biodiversity, Nutritional Security and Human Well-being" organized by NBA, at Chennai.



Director, ZSI, Dr. Dhriti Banerjee as Chief Guest at Celebration of International Day for Biological Diversity 2022 organized by The Asiatic Society on 24th May, 2022



Director, ZSI, Dr. Dhriti Banerjee along with all officials of ZSI took oath during the occasion of Anti-Terrorism Day



Director, ZSI, Dr. Dhriti Banerjee inaugurated an Annual Wildlife Photography Exhibition Cum Contest "MOTHER EARTH 2022" organized by Akhone Aranyak Magazine at Gallery Gold, Kolkata on and from 20th May to 22nd May, 2022



Director, ZSI, Dr. Dhriti Banerjee in Annual Programme of Research Meeting - 2021-22 of ZSI from 10th to 12th May, 2022.