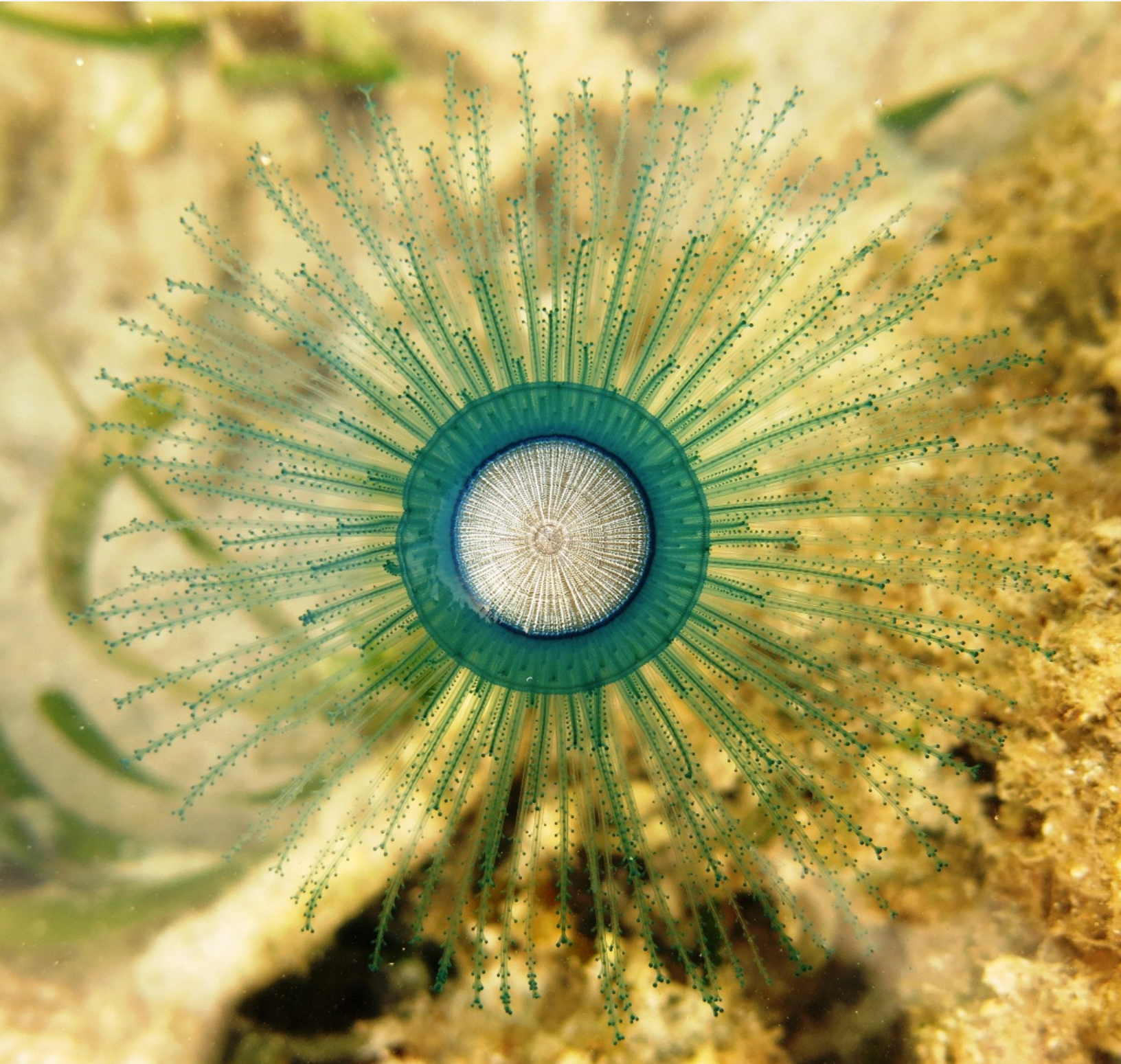


ZSI E-News

Vol. 56 | September 2023 | Monthly E-Newsletter from Zoological Survey of India



Director's Desk



Greetings !!!

It is a joyous moment for me to bring out the 56th issue of E-News of Zoological Survey of India to exemplify various scientific achievements, records, and events made by the scientists and staff of this 108-year-old prestigious organization through surveys, exploration, faunal discoveries, research accomplishments, capacity building programmes, Mission LiFE & Special Campaign 3.0 activities, etc. to the august readers.

It is a matter of pride that Central Zone Regional Centre, Zoological Survey of India, Jabalpur, has been awarded with ISO Certificate for its excellent service to the nation. As par with the Hon'ble Prime Minister's visions, ZSI, Headquarters, and its 16 Regional Centres have actively contributed towards Swachhata Campaign 3.0, Mission LiFE activities, and implementation of Rajyabhasha and Hindi Pakhwada. Apart from conducting surveys to different ecoregions of India for studying various Animal groups, scientists of ZSI have discovered two new species of fishes such as *Pterygotrigla intermedica* Roy, Ray, Mishra, Mishra, Mohapatra, 2023, and *Ophichthus nigroventralis* Kodeeswaran, Mohapatra, Kumar, 2023. One species of Nematode i.e. *Hoplochaetella darwini* Ahmed and Julka, 2023, and one species of Mollusca *Gemmula diomedea* Powell, 1964 was added for the first time to the Indian faunal database. As a part of outreach activities, training was imparted to college students and forest officials on various aspects of systematics and conservation. 1363 Species were identified during the month, while two books, 17 research papers in peer-reviewed journals and five book chapters, and five popular articles with special emphasis on Hindi were published this month.

I sincerely applaud all the scientists and staff of ZSI for carrying out exceptional work which is the backbone for the scientific advancement of this taxonomically dedicated institution.

Jai Hind

Dr. Dhriti Banerjee
Director
5th October 2023
Kolkata

HEADQUARTERS, KOLKATA

Six surveys were conducted during the month under various Programme of Research namely, Faunal Composition of Tropical Dry Deciduous Forest, Phase I : West Bengal; Deccan peninsula 6E biogeographic zone; Assessment of faunal communities of Balukhand-Konark Wildlife Sanctuary, Odisha; Biodiversity study for the proposed Burrow Pit Region in Arabian Sea with reference to development of Vadhavan Port, Palghar, Maharashtra; Faunal Diversity of Wildlife Sanctuaries of West Bengal and Diptera fauna from Tropical evergreen forest and coastal ecosystem of Andaman and Nicobar Islands. A total of 445 species of faunal communities including Formicidae, Chalcididae, Diptera, Dermaptera, Lepidoptera, Orthoptera, Nematelminthes, Platyhelminthes, Odonata, Ephemeroptera, Mollusca, Crustacea, Porifera, Cnidaria, Earthworm, Leeches, Polychaetes, Echinodermata, and Aves were identified. One new species of Annelida was described, one species of Mollusca was recorded as new to Indian fauna and one species of Isopoda was recorded as new to the Arabian Sea. Two species of Hymenoptera and 14 species of faunal communities belonging to Annelida, Lepidoptera, Nematodes, and Platyhelminthes were augmented to National Zoological Collections. Identification and Advisory services were rendered to Institute of Forest Productivity, Jharkhand, Ramakrishna Mission Vivekananda Centenary College, Rahara, Justice Basheer Ahmed Sayeed College, Chennai, Patna University, Forest Range Officer, Bakkhali Range, Jawahar R- ABI and PI –BPD Unit, JNKVVK, Jabalpur, Kazi Nazrul University, Paschim Bardhaman, Chief Conservator of Forest and Chief Wildlife Warden, Department of Forests and Wildlife, Chandigarh Administration, Department of Environmental Science, University of Calcutta, University of Agricultural Science, GKUK, Bangalore, Karnataka, Aphid Systematics and Biocontrol Laboratory and Department of Zoology, T.M. Bhagalpur University, Bihar. Students and faculty members from Barrackpore Rastraguru Surendranath College, Forest Range Officer trainees and faculty members of Telangana State Forest Academy, Dulapally, Hyderabad, and students from Nagaland University, Lumanii attended a five days hands-on training on collection, preservation and identification of zoological specimens and visited various sections of the headquarter during the month.





Celebration of Hindi Mah at ZSI-WRC



ZSI-WRC in News (Lokmat)_Governor of Kerala learned about Giant Squirrel and Monitor Lizard

WESTERN REGIONAL CENTRE, PUNE, MAHARASHTRA

A survey was conducted to Daroji Sloth Bear Sanctuary, Karnataka. A total of 124 species of faunal communities including Amphibia, Arachnida, Blattodea, Coleoptera, Decapoda, Hemiptera, Hymenoptera, Lepidoptera, Mollusca, Odonata, and Pisces were identified during the month. Identification and advisory services were rendered to the Khopoli Police Station, Maharashtra, Wildlife Crime Control Bureau, Cochin Sub Regional Office and to the Range Forest Officer, Parappa Range, Kerala. “Hindi Maah” was celebrated and various programs were organized during “Hindi Maah” from 1st to 30th September 2023. Second edition of the magazine “Koshika” under ZSI, WRC, Pune was published by Smt. Bharti Pawar, Union Minister of State for Health and Family Welfare at the 3rd All India Hindi Official Language Conference in presence of Shri Ajay Kumar Mishra, Union Home Minister, Government of India, Shri Shrirang Barne, Central, Pune, Shri Bhanu Pratap Verma, Union Minister of State for Micro, Small and Medium Enterprises organized at Balewadi Stadium, Pune.



ZSI-WRC participated in 3rd meeting of the Parliamentary Committee on Official Language at Lonavala, Pune

CENTRAL ZONE REGIONAL CENTRE, JABALPUR, MADHYA PRADESH

A total of 379 species of faunal communities including Coleoptera, Lepidoptera, Odonata, Hemiptera, Amphibia, and Mollusca were identified during the month. The centre has been awarded with the ISO 9001:2015 certificate for providing Identification and Advisory Services, EIA, Museum, Access to National Zoological Collection, Taxonomy of Fauna and Faunistic Survey. Hindi Pakhwada - 2023 was inaugurated at the centre with a Karyshala for Officers and staff on 1st September 2023 and celebrated up to 14th September 2023 with organizing various competitions and events promoting Hindi. Swachata activities were organized in and around the office campus on 21st September 2023 under Swachhata campaign. Mission LiFE activities were organized and a Mission LiFE- Selfie Point was installed in the office.

Hindi Pakhwada was celebrated along with the Mission LiFE Campaign at CZRC, ZSI, Jabalpur.





Merops orientalis Latham, 1801

NORTHERN REGIONAL CENTRE, DEHRADUN, UTTARAKHAND

A total of 63 species of faunal communities including Protozoa, Phthiraptera, Orthoptera, Lepidoptera, Hymenoptera, Pisces, Amphibia, and Reptilia were identified during the month. Officer-in-Charge and staff of the centre organized and participated in “Mission Life Programme - Save Water, Save Electricity Awareness Rally and Swachhta Programme on 4th September 2023, 6th September 2023 and 14th September 2023. Hindi Divas was celebrated at the centre.



Mission Life & Swachhata Abhiyan at ZSI, NRC Campus

SOUTHERN REGIONAL CENTRE, CHENNAI, TAMIL NADU

A survey was conducted to assess biodiversity at proposed KINFRA Park, Palakkad, Kerala in collaboration with ZSI/ WGRC, Kozhikode. A total of 137 species of faunal communities including Blattodea, Hemiptera, Lepidoptera, Odonata, Psocoptera, Mollusca, Amphibia, and Reptiles were identified during the month. As part of 'Hindi Pakhwada', the centre organised and celebrated various events and prizes were distributed.



Aularches miliaris



Clinotarsus curtipes



Chamaeleo zeylanicus



HIGH ALTITUDE REGIONAL CENTRE, SOLAN, HIMACHAL PRADESH



A survey was conducted to Lahaul valley. A total of 33 species of faunal communities including Lepidoptera, Trichoptera, and Pisces were identified during the month. DNA barcodes of 10 species of Lepidoptera were generated. Identification and advisory services were rendered to Government College Hamirpur and Eternal University. Hindi Pakhwada was organized at the centre from 1st to 14th September 2023. Hindi Karyshala was organized on 11th September 2023 in which Dr. Baldev Thakur (Retired Professor), Government College, educated the employees about development of Hindi language and also about correct writing of tough words in hindi. Selfie under Mission LiFE was organised on 26th September 2023 by staff at Boiluganj Shimla near Service Centre of Mahindra & Mahindra and near Bus Stop. The event was also organized at Railway Station, Ramnagar, Shimla. Amrit Kalash Yatra under theme Mere Mati Mera Desh was organized in collaboration with Post Office, Solan; took Panch Pran pledge on 29th September 2023.



A well-established coral colony, *Goniopora* sp., at the bio-rock structure in the Gulf of Kachchh.



Maintenance work in progress at a bio-rock site.

MARINE BIOLOGY REGIONAL CENTRE, CHENNAI, TAMIL NADU

Six one-day surveys were undertaken at the fish landing centres in Chennai. A total of 64 species of faunal communities including Porifera, Foraminifera, Mollusca, Echinodermata, Arthropoda, Bryozoa, and Pisces were identified during the month. Three identification services were rendered to University of Madras, Karnataka University and to Wildlife Warden, Ramanathapuram. A one-day internship programme was organised for students of Loyola College, Chennai.





Oriental Magpie-Robin
Copsychus saularis andamanensis Hume 1874

ANDAMAN AND NICOBAR REGIONAL CENTRE, PORT BLAIR

Two long-term surveys were conducted to Great Nicobar and its adjoining Islands and to North & Middle Andaman and 6 days local field surveys were conducted to South Andaman. A total of 145 species of faunal communities including Coleoptera, Hemiptera, Lepidoptera, Odonata, Mollusca, Echinodermata, Pisces, and Reptilia were identified during the month. An online painting competition was organized and a one day seminar on 20th September 2023 was organized, dedicated to "International Day for the Preservation of the Ozone Layer". The Hindi Fortnight was celebrated and conducted various competitions on 14th September 2023. A MoU was signed with VOC Chidambaranar Port Authority, Tuticorin in connection with the proposed study on Marine Biodiversity study for the Outer Harbor Project at VOC Chidambaranar Port Authority, Tuticorin.



Celebration of Ozone Day



Gangetic dolphin *Platanista gangetica* (Lebeck, 1801)

SUNDERBAN REGIONAL CENTRE, CANNING, WEST BENGAL

Two major surveys were conducted to Vadhavan Port, Palghar, Maharashtra and Puri Coast and five local surveys were undertaken at Sunderbans, Canning fish market and Matla River. A total of 48 species of faunal communities including Crustacea, Cnidaria, Mollusca, and Pisces were identified during the month. Hindi Diwas was celebrated. The office premise was cleaned on 8th September 2023 under the Swachhta Campaign 3.0. Two Mission LiFE programmes were organized on 15th September 2023 in Mabuni Shitoryu Karate-Do International, Canning and Bandhumahal Coaching Class, Canning.



Hindi Diwas programme



Indian flapshell turtle *Lissemys punctata* (Lacepede, 1788)

Celebration of Hindi Diwas



Mission LiFE activities

FRESHWATER BIOLOGY REGIONAL CENTRE, HYDERABAD, TELANGANA

A survey was conducted to three Ramsar Wetlands of Madhya Pradesh and to Kinnerasani and Pakhal Wildlife Sanctuary, Telangana. A total of 72 species of faunal communities including Coleoptera, Hemiptera, Mollusca, Rotifera, Crustacea, Pisces, and Amphibia were identified during the month. To mark World Ozone Day 2023, various competitions on the theme for school and college students were organized. Hindi Diwas was celebrated. Swachhta Pakhwada and Mission LiFE campaign was organised to generate awareness among young generation regarding #SwachhataHiSeva and #MissionLiFE initiatives. Staff and participants took pledge to keep their surroundings clean and use natural resources thoughtfully.

Competition on Ozone Day



Swachha Bharat Abhiyan 3.0

Gastrosericus waltlii



WESTERN GHAT REGIONAL CENTRE, KOZHIKODE, KERALA

Survey conducted from 4th to 8th September 2023 under the NHA1 & KINFRA Projects to Silent Valley National Park, Varadimala, Siruvani forest, and Walayar. A total of 200 species of faunal communities including Testate amoebae, Coleoptera, Hemiptera, Hymenoptera, Mantodea, Arachnida, Crustacea, Mollusca, and Pisces were identified during the month. Two species were reported as new to Andhra Pradesh and two species were added as new to Kerala. Identification and advisory services provided to College of Agricultural Bheemaranagudi, Shahapur, Dt: Yadgir, Karnataka and Jawaharlal Nehru Krishi Viswa Vidyalaya, Jabalpur, Madhya Pradesh.

Mission LiFE activities



Hindi Pakhwada

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

A survey was conducted to different locations of Odisha. A total of 200 species of faunal communities of different groups were identified during the month. Two species namely Pterygotrigla intermedica Roy, Ray, Mishra, Mishra, Mohapatra, 2023 and Ophichthus nigroventralis Kodeeswaran, Mohapatra, Kumar, 2023 were described new to science. Three DNA barcode belonging to three species were uploaded in the NCBI data base. Students from Depaul School visited EBRC Museum from 11th to 14th September 2023. Hindi Pakhwada was celebrated at the Centre from 1st to 14th of September 2023 and various competitions were organized among the staff members.

Trainee Forest Officers from West Bengal
State Forest School, Kurseong.



Selfie
Point



MARINE AQUARIUM AND REGIONAL CENTRE, DIGHA, WEST BENGAL

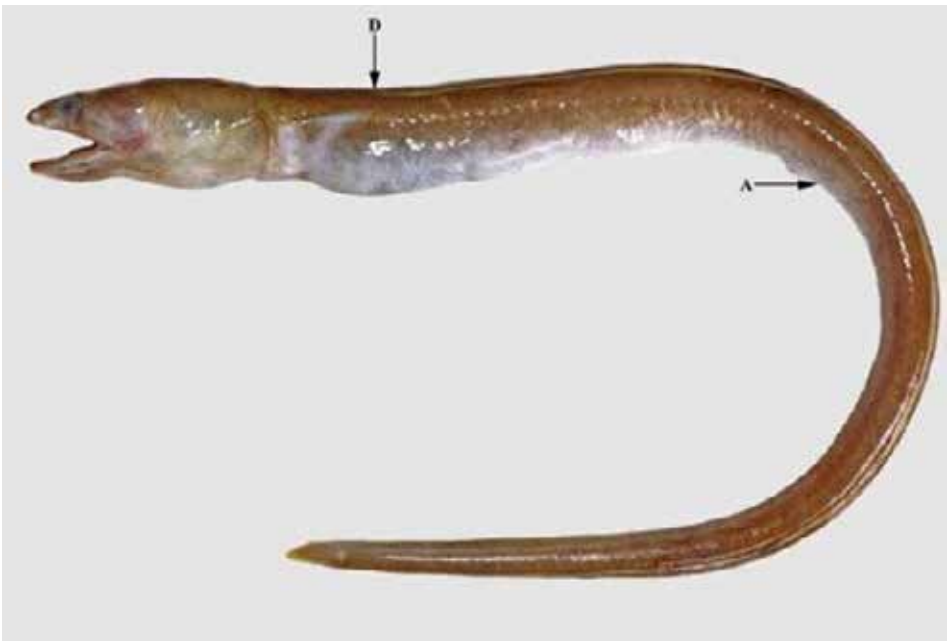
Surveys were conducted to Daman Coast, Balukhand-Konark Wildlife Sanctuary, Odisha, Tamil Nadu & Pondicherry Coasts, Digha and adjacent areas. A total of 55 species of faunal communities including Polychaete, Mollusca, and Nematoda were identified during the month. Special Campaign 3.0 (outdoor & indoor), Selfie Point activities, Swachha Pakhwada, and Mission LiFE were organized at the centre. Identification and advisory services were rendered to Saurashtra University, Rajkot and T.A.K. Bharathidasan University, Thiruchirappalli.



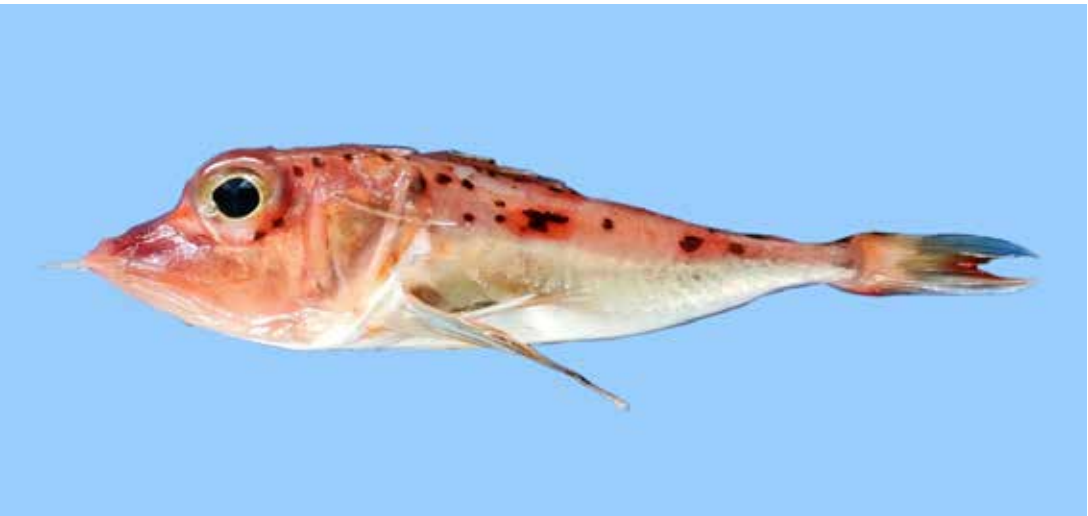
समुद्री एकेरियम
और क्षेत्रीय केंद्र,
भारतीय प्राणी
सर्वेक्षण ने 14
सितंबर 2023 को
हिंदी सप्ताहहिंदी
दिवस मनाया।

NEW DISCOVERIES AND NEW RECORDS

NEW SPECIES



Ophichthus nigroventralis Kodeeswaran,
Mohapatra, Kumar, 2023



Pterygotrigla intermedica Roy, Ray,
Mishra, Mishra, Mohapatra, 2023

PUBLICATIONS

BOOKS

1. Banerjee, D., Naskar, A., and Sengupta, J., 2023. *Fauna of Assam (Part 1), Invertebrates. State Fauna Series*, 27(1):1-754 (Published by Director, Zool. Surv. India, Kolkata).

2. Rajendra, S., Raghunathan, C., Chandra, K. and Banerjee, D., 2023. *Soft Corals (Malacalcyonacea: Octocorallia) of Andaman and Nicobar Islands (Families Cladiellidae, Sarcophytidae and Sinulariidae)*. Occasional Paper No. 413: 1-174. (Published by the Director, Zoological Survey of India, Kolkata)

PAPERS

1. Ahmed, S., Julka J.M., Banerjee D., Marimuthu, N., 2023. A new species of the genus *Hoplochaetella* Michaelsen 1900 (Clitellata: Octochaetidae) from the Deccan Peninsula Biogeographic Zone, India. *Zootaxa*, 5346(2): 173-185.

2. Alam, I., Alam, M.D., and Kushwaha S., 2023. Baseline data on Bird diversity in Prayagaraj. *Journal of natural Recourses and Development*, 18(1): 24-29.

3. Mawadda, N.V. A. and Girish Kumar, P., 2023. On the geographic distribution of *Gastrosericus* Spinola, 1839 (Hymenoptera: Crabronidae) in India. *Records of Zoological Survey of India*, 122(4): 415-424. DOI: 10.26515/rzsi/v122/i4/2022/165516.

4. Bindu, L., 2023. New Records of Testate Amoebae from Shenthuriney Wildlife Sanctuary, Kerala, India: Insights into Microbial Biodiversity. *Journal of Scientific Research and Reports*, 29(9):55-63.

5. Deb, R. and Subramanian, K.A., 2023. New Record of *Sandracottus* Species (Coleoptera: Dytiscidae) from Western Ghats of India. *Uttar Pradesh Journal of Zoology*, 44(21): 10-15. DOI: 10.56557/UPJOZ/2023/v44i213663

6. Hafiz, Md., Ghosh, A., Tamal Mondal and Sajan, S., 2023. New record of albatross turrid *Gemmula diomedea* Powell, 1964 (Mollusca: Gastropoda: Turridae) from Indian waters. *Species*, 24: e77s1587

7. Laskar, B.A., Adimalla, H., Mandal, S., Kundu, S., Jaiswal, D. and Bannerjee, D., 2022. DNA barcoding of freshwater fish from different drainage systems of Telangana in Southern India. *Rec. zool. Surv. India*, 122(4): 371-382. DOI: 10.26515/rzsi/v122/i4/2022/166360

8. Khandal, D., Dhar, I. and Talmale, S.S., 2023. Historical and contemporary perpetuation of assumed occurrence reports of two species of bats in Rajasthan, India. *Journal of Threatened Taxa*, 15(8): 23669-23674. <https://doi.org/10.11609/jott.8623.15.8.23669-23674>

9. Kodeeswaran, P., Mohapatra, A. and Ajith Kumar, T. T., 2023. A new species of deep-water snake eel, *Ophichthus nigroventralis* (Anguilliformes: Ophichthidae) from the Arabian Sea, southwest coast of India. *Ichthyological Research*. <https://doi.org/10.1007/s10228-023-00927-z>

10. Paunekar, S. and Das, M.K., 2023. Edible freshwater fish diversity across the fish market in Jabalpur, Madhya Pradesh, central India. *The Pharma Innovation Journal*, SP-12(9): 801-808.

11. Paunekar, S., Kulkarni, N. and Barve, S., 2023. Moth diversity (Lepidoptera: Heterocera) in the forest ecosystem of tropical forest research institute (TFRI) campus, Jabalpur, Madhya Pradesh. *International Journal of Entomology Research*, 8(9):25-32.

12. Bhattacharyya, P., Anbarasu, K. and Balakrishnan, S., 2023. Diversity and Taxonomical Identification of Marine Zooplankton from Digha adjacent Coastal

Waters. *Rec. zool. Surv. India*, 123(i2S)/389-400 DOI: 10.26515/rzsi/v123/i2S/2023/172554

13. Roy, S., Ray, D., Mishra, A., Mishra, S.S. and Mohapatra. A., 2023. A new species of the genus *Pterygotrigla* (Scorpaeniformes: Triglidae) from Bay of Bengal, India. *Thalassas: An International Journal of Marine Sciences*. <https://doi.org/10.1007/s41208-023-00596-9>

14. Mitra, S. and Bhaumik, R., 2023. First record of parasitic isopod *Renocila bijui* Aneesh & Bruce, 2020 (Isopoda: Cymothoidae) from the Arabian Sea. *Uttar Pradesh Journal of Zoology*, 44(20): 181-185.

15. Satyanarayana, Ch., Chandran, R., Bharath, MS., Ramkumaran, K., Thanappan, V., Surendar, C. and Kumaran, R.S., 2023. New additional record, *Pavona minuta* Wells 1954 to the Scleractinian diversity of Gulf of Kachchh Marine National Park & Sanctuary, India. *Thalassas: An International Journal of Marine Sciences*. 10.1007/s41208-023-00594-x (SCI IF. 0.7)

16. Sharma, N., 2023. Range extension of *Pelopidas sinensis* (Mabille, 1877) (Insecta: Lepidoptera: Hesperidae) to Western Arunachal Pradesh. *Journal of Entomology and Zoology Studies*, 11(5): 26-28.

17. Talmale, S.S., Kar, O., Patil, S.R., Naskar, A. and Banerjee, D., 2023. Successional pattern of necrophagous Diptera on a dead Asiatic Jackal's (*Canis aureus* Linnaeus, 1758) body in Veerangana Durgawati Wildlife Sanctuary, Madhya Pradesh, India. *International Journal of Zoology and Applied Biosciences*, 8 (4): 28-34. <https://doi.org/10.55126/ijzab.2023.v08.i04.005>

BOOK CHAPTERS

1. Banerjee, D., Naskar, A., Sengupta, J., Singh, S., Chowdhury, M. and Hazra, S., 2023. Insecta: Diptera. In: Banerjee, D., Naskar, A., and Sengupta, J. (Eds.), *Fauna of Assam (part*

1), *Invertebrates*. pp.672-773. (Published by the Director, Zool. Surv. India, Kolkata)

2. Ghosh, A., 2023. Platyhelminthes. In: Banerjee, D., Naskar, A., and Sengupta, J. (Eds.), *Fauna of Assam (part 1), Invertebrates*. 27(1): 86- 103. (Published by the Director, Zool. Surv. India, Kolkata)

3. Mandi, A., Mandal, P. and Sheela, S., 2023. Insecta: Hymenoptera: Formicidae. In: Banerjee, D., Naskar, A., and Sengupta, J. (Eds.), *Fauna of Assam (part 1), Invertebrates*. pp. 672-773 (published by Director, ZSI)

4. Sen, D. and Rizvi, A.N., 2023. Nematoda: Dorylaimida and Tylenchida. In: Banerjee, D., Naskar, A., and Sengupta, J. (Eds.), *Fauna of Assam (part 1), Invertebrates* (Published by the Director, Zoological Survey of India, Kolkata).

5. Dubey, A. and Kushwaha, S., 2023. *Wildlife Conservation and Management*. 1-378 (Published by Mangalam Publication New Delhi) ISBN: 978-81-964432-1-4.

POPULAR ARTICLES

1. श्री कपिल कुमार गुप्ता, 2022. कविता पिता। शूलनि संचेतना, 2 : 17.

2. श्रीमती अंजू धर, 2022. कहानी ब्रिटिया के नाम पाती। शूलनि संचेतना, 2 : 17.

3. श्री अखिल नायर, 2022. कविता चुनावों का मौसम। शूलनि संचेतना, 2 : 17.

4. श्रीमती अंजू धर, 2022. कविता संगीत का असर। शूलनि संचेतना, 2 : 17.

5. श्री अखिल नायर, 2022. कहानी मानवता। शूलनि संचेतना, 2 : 17.

6. श्री संदीप कुमार, 2022. कविता आत्मविश्वास। शूलनि संचेतना, 2 : 17.

7. श्री कपिल कुमार गुप्ता, 2022. कहानी खाने(भोजन)की कीमत। शूलनि संचेतना, 2 : 17.

MEETINGS ATTENDED

1. Dr. C. Raghunathan, Scientist-F, ZSI/HQ, Kolkata, provided comments of ZSI regarding the proposed endangered animal species list in West Bengal to the MoEFCC on 9th September 2023; convened a meeting with ZSI RCs for making preparatory plan for the Special Campaign 3.0 on 14th September 2023; provided inputs on mapping indicators for Travel and Tourism Development Index (TTDI) to the MoEFCC; attended review meeting of the Biosphere Reserve regarding implementation of integrated management plan chaired by the Director General of Forest, MoEFCC on 4th September 2023; attended the meeting chaired by the Additional Secretary, MoEFCC to review the progress of capital works expenditure held on 4th September 2023; attended the Fourteenth Meeting of the Inter-Ministerial Group on Environmental Accounting – India at Ministry of Statistics and Programme Implementation, New Delhi on 6th September 2023; attended the meeting for Special Campaign 3.0 chaired by the Additional Secretary, MoEFCC on 13th September 2023; chaired the meeting of Special Campaign 3.0 with the Regional Centres of ZSI on 14th September 2023; attended the meeting for the expenditure related to capital works chaired by Additional Secretary on 18th September 2023; attended the meeting of Special Campaign 3.0 chaired by the Hon'ble Minister, MoEFCC on 28th September 2023.
2. Dr. G. Maheswaran, Scientist – F, ZSI/HQ, Kolkata, participated in the online meeting on Dihang–Dibang Biosphere Reserve (DDBR) under the chairmanship of Director General of Forest and Special Secretary, MoEFCC and forest officials of DDBR, Arunachal Pradesh on 4th September 2023; attended the 13 State Board for Wildlife meeting of the West Bengal at Aranya Bhavan, Salt Lake on 5th September 2023; conducted a virtual meeting on framing syllabus for students of Choudhury Charan Singh University, Meerut on 15th September 2023; participated in a panel discussion organised

- by Indian Institute of Bio Social Research and Development (IBRAD) on 26th September 2023; and participated in a meeting held at New Delhi regarding Inception and planning meeting for evaluation of 116 National Park and Wildlife Sanctuaries through Management Effectiveness Evaluation (MEE) for 2023–2024 being organized by the Ministry of Environment, Forests and Climate Change and Wildlife Institute of India (WII) on 29th September 2023.
3. Dr. P. S. Bhatnagar, Scientist-E, ZSI/CZRC, Jabalpur, attended court case regarding Wildlife (Protection) Act, 1972 in Mumbai and Virtual mode meeting attended on Swachhata 3.0 with MoEFCC on 13th September 2023 with AS and JS MoEFCC.
 4. Dr. Gaurav Sharma, Scientist-E, ZSI/NRC, Dehradun, participated in the “3rd Uttarakhand Vigyan Shiksha Prasar Samman-2023” organized by the Director, Uttarakhand Science, Education and Research Centre, Dehradun held at the ITDC Conference Hall, Dehradun on 16th September 2023 and in the “Training Research Academic Council Meeting of Wildlife Institute of India” organized by The Director, Wildlife Institute of India, Dehradun on 23rd September 2023.
 5. Dr. C. Sivaperuman, Scientist-E, ZSI/ANRC, Port Blair, attended the Ph.D. Thesis synopsis seminar at Department of Ocean Studies and Marine Biology, Pondicherry University, Port Blair on 4th & 5th September 2023; served as a Chief Guest in the Department of Tourism, Jawaharlal Nehru Rajkeeya Mahavidyalaya, Port Blair and delivered on Overview of Biodiversity of A & N Islands and Importance of Nature Tourism on 25th September 2023; attended meeting with Chief Secretary, Andaman & Nicobar Administration, Port Blair on 6th September 2023 and discussed about the proposed NCRRI facilities; with Hon'ble Vice Chancellor, Pondicherry University, Puducherry on 15th September 2023 in connection with the Ph.D. Admission for the year 2023 – 2024; with Dr. Joseph Selvin, Professor, & Director, Research,

- Department of Microbiology, Pondicherry University, Puducherry in connection with the ongoing collaborative research works on 15th September 2023 and with Hon'ble Vice Chancellor & his team, Madurai Kamaraj University, Madurai in connection with the MoU to be signed with ZSI and collaborative research projects on 13th September 2023.
6. Mr. Maharani Deen, UDC and Mr. NareshKoshta, ZSI/CZRC, Jabalpur, attended 'Akhil Bhartiya Rajbhasha Sammelan' held at Pune, Maharashtra on 14th & 15th September, 2023.
 7. Dr. Basudev Tripathi, Scientist-E, Dr. Aparna Kalavate, Scientist-E along with other office staff, ZSI/WRC, Pune, participated in the 3rd meeting of the Parliamentary Committee on Official Language held at Lonavala, Pune on 11th September 2023.
 8. Dr. Basudev Tripathy, Scientist-E and Dr. Sachin R. Patil, Scientist-B, ZSI/WRC, Pune, attended Stakeholder Consultation Meeting on the Biodiversity Study in Burrow Pit Area for Vadhvan Port Project held at Daman on 26th September 2023.
 9. Dr. Aparna Kalawate, Scientist-E, ZSI/WRC, Pune, attended the meeting of Board of Studies in Zoology at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 8th September 2023.
 10. Dr. Basudev Tripathi, Scientist-E, Dr. Aparna Kalavate, Scientist-E; Shri Uday Kumar, Senior Zoological Assistant; Shri Sandeep Kumar, Senior Zoological Assistant along with other staff, ZSI/WRC, Pune, participated in the 3rd All India Hindi Official Language Conference held at Balewadi Stadium, Pune and showcased the work and published literature of Zoological Survey of India, WRC, Pune.
 11. Dr. N. Marimuthu, Scientist-E, ZSI/HQ, Kolkata, provided input pertaining to methodologies and validation techniques to be followed for the status assessment on Schedule I and II species (Agenda-3) in Animal Committee Meeting.

12. Dr. Tamal Mondal, Scientist-D, ZSI/HQ, Kolkata, attended a virtual meeting on Biosphere Reserves of India with the MoEFCC on 4th September 2023; a meeting at Zoological Survey of India, Kolkata related to institutional collaboration with Dr YSP University of Horticulture and Forestry on 13th September 2023.
13. Dr. K.A. Subramanian, Scientist-E, ZSI/SRC, Chennai, attended a board of trustee meeting at Chennai Snake Park, Chennai on 15th September, 2023; attended a meeting on “Research Advisory Committee Meeting” organized by the Karnataka Forest Department, Bengaluru on 21st September, 2023; attended a meeting of the Tamil Nadu State Wildlife Board Organized by Tamil Nadu Forest Department at the Secretariat, Chennai on 26th September, 2023.
14. Dr. Ranjana, Scientist-E, ZSI/SRC, Chennai, acted as External Member for recruitment of Junior Research Fellow at Advanced Institute for Wildlife Conservation (AIWC), Chennai on 29th August 2023.

TRAININGS ORGANIZED

1. A five days Hands on Training on Collection, Preservation and Identification of Zoological Specimens was organized by ZSI/HQ, Kolkata for the students of Nagaland University from 25th to 29th September 2023.
2. Two training programmes and interactive sessions on Faunal Biodiversity of India, Mission LiFE, Swachhata Hi Seva campaigns were conducted by MARC, Digha to the trainee Forest Officers from West Bengal State Forest School, Dow-Hill, Kurseong on 26th September 2023.

TRAININGS ATTENDED

1. Dr. Gaurav Sharma, Scientist-E and Mr. M. K. Meena, Assistant Zoologist ZSI/NRC, Dehradun, participated in the “Annual Research Seminar of Wildlife Institute of

India” organized by The Director, Wildlife Institute of India, Dehradun from 21st to 22nd September, 2023.

- 2. Dr. Avtar Kaur Sidhu, Scientist-E, ZSI/HARC, Solan, attended the one-week Refresher Training Course for IFS officer on Insect pest management in forest nurseries plantation and natural forest and acted as resource person.
- 3. Dr. S. Balakrishnan, Scientist – E, ZSI/MARC, Digha, attended and participated training for ministries field units for event creation on Special Campaign 3.0 Swachhata Hi Seva (SHS) on 25th September 2023.

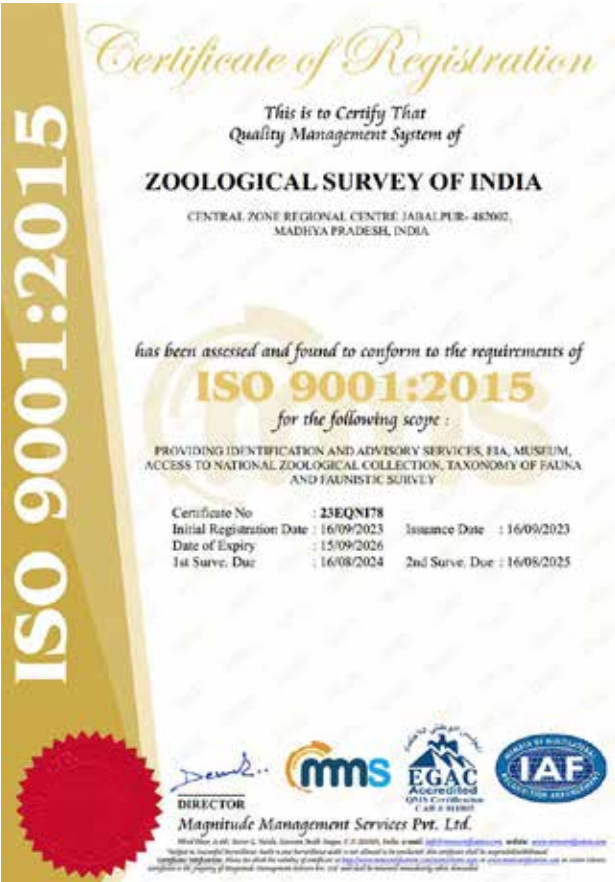
LECTURES DELIVERED

- 1. Dr. Gaurav Sharma, Scientist-E, ZSI/NRC, Dehradun, delivered lecture on topic entitled “Status of Faunal Diversity and their Conservation in India” to 84 Trainees of Central Academy for State Forest Services on 4th September 2023; on “The efforts to Promote Hindi” in the combined programme involving 85 Officers and staff of three organization i.e. Anthropological Survey of India, Botanical Survey of India and Zoological Survey of India, Dehradun on celebration of “Hindi Diwas” on 14th September 2023.
- 2. Dr. Archana Bahuguna, Scientist-E, ZSI/NRC, Dehradun, delivered online lecture on 21st September 2023 during National Forensic Week (17th to 22nd September 2023) organized by Dev Bhoomi Uttarakhand on topic titled Wildlife Forensics in India.
- 3. Dr. Avtar Kaur Sidhu, Scientist-E, ZSI/HARC, Solan, delivered lecture on the topic “Insect Diversity of Trans Himalaya “ on 21st September 2023 at ICFRE-HFRI Shimla.
- 4. Dr. C. Sivaperuman, Scientist-E, ZSI/ANRC, Port Blair, delivered three talks on an overview of Antarctica; An overview of Biodiversity of A & N Nicobar Islands; Activities & Achievements

of ZSI on 13th September 2023 at the School of Environmental Sciences, Madurai Kamaraj University, Madurai.

- 5. Dr. P. Girish Kumar, Scientist-D, ZSI/WGRC, Kozhikode, delivered a lecture on Hymenoptera to the forest trainees at State Forest Training Institute, Walayar on 7th September 2023.
- 6. Dr. S.S. Talmale, Scientist-C ZSI/ZWRC, Pune, delivered lecture on “Collection, Preservation and Identification of Rodents” to the Third Year B.Sc. and M.Sc. students of Ferguson college, Pune at ZSI, WRC, Pune on 20th September 2023.
- 7. Dr. Md. Jafer Palot, Scientist-B, ZSI/WRC, Pune, delivered a lecture on the “Faunal Wealth of Kerala and the Indian Wildlife Protection Act” to the Beat Forest Officer trainees of the Kerala State Forest Training Institute, Walayar on 8th September 2023.
- 8. Dr. Sachin R. Patil, Scientist-B, ZSI/WRC, Pune, delivered two lectures on Spider Taxonomy and a Case Study on 4th and 5th September 2023 to the Students of Pre-Ph. D. Research Methodology Course Work at the Fergusson College, Pune.
- 9. Dr Anjum N. Rizvi, Scientist – E, ZSI/HQ, Kolkata, delivered invited lecture on “Free-living marine Nematodes and their role in coastal and marine ecosystems” in the symposium on “Mangroves of the east coasts of India “organized by IISER, Kolkata at Fairfield by Marriott on 1st September 2023 and also co-chaired a session to assess the contributed talks by early career researchers.
- 10. Shri. Terine Joshua Benjamin, CSIR, SRF, made an Oral presentation at 4th Iranian International Congress of Entomology “First Distributional Record of *Andreimyrmex substriolata* (Chen, 1957) and *Odontomutilla Fletcheri* Lelej, Terine & Girish Kumar, 2020 (Hymenoptera: Mutillidae) from India and a Note on Their Geographical Affinities.”

RECOGNITION



ISO certificate rewarded to Central Zone Regional Centre, Zoological Survey of India, Jabalpur.

Dr. Dhriti Banerjee, Director, Zoological Survey of India visits Natural History Museum, London

Dr. Dhriti Banerjee, Director, Zoological Survey of India (ZSI) visited the Natural History Museum, London on 27th September 2023 and discussed with delegation and scientists of NHM, London about the future prospective scientific research collaborations. The meeting was aimed to explore opportunities for joint research projects, knowledge sharing, and the establishment of a mutually beneficial collaboration.



Dr. Dhriti Banerjee, Director, Zoological Survey of India met Mr John Jackson, Head of Science Policy and Communication, Department & Division of Science Directorate, Natural History Museum, London and visited the invertebrate section of the museum.



Dr. Dhriti Banerjee, Director, Zoological Survey of India met Dr. Ranee Prakash, Senior Curator, Natural History Museum, London.

The Zoological Survey of India (ZSI), Kolkata and the Natural History Museum (NHM), London have been working together over many years on mutually beneficial projects focused on the study of the fauna of India, and to recognize this long-standing relationship, and to promote its continuance for many years into the future Memorandum of Understanding between the two great Institutions, was formally signed by the Director of ZSI and Director, NHM, London on 24th September, 2021.



Signing an MoU between NHM and ZSI on 24th September, 2021



The NHM, London and ZSI will be working together to collect, study and conserve faunal specimens for science and to create and exchange associated data and images.



She also addressed the scientists and staff of NHM that India is involved internationally in conservation efforts related to biodiversity as well as climate change that Mission LiFE, the slogan created by the Hon. Prime Minister at COP 26 in Glasgow to promote sustainable lifestyles, has gained recognition and acceptance on a global scale and emphasised significance of sustainable living and supported the mission of Mission LiFE.

PHOTO GALLERY



Various events organized in Head Quarter during Hindi Pakhwada



Training imparted to students from Nagaland University

