



From the Director's Desk



Indeed, it gives me an immense pleasure to inform that Hon'ble Minister of Environment, Forest and Climate Change has given concurrence to establish seventeenth regional centre of ZSI i.e. Eastern Ghats Regional Centre at Amaravati, Andhra Pradesh. The ZSI is publishing the State Fauna series and during the month 'Fauna of Himachal Pradesh' has been released by the Hon'ble Governor of Himachal Pradesh Shri. Rajendra Viswanath Arlekar which makes the completion of State Fauna for 27 States. In order to strengthen the molecular taxonomical studies, Molecular systematics laboratory was inaugurated at High Altitude Regional Centre, Solan. Surveys have been carried out in Arunachal Pradesh, Andaman and Nicobar Islands, Odisha, Telangana and West Bengal to study the various groups of fauna. Altogether 7891 faunal specimens with 2012 species have been identified which includes five new species. The month witnessed the publication of three books, 21 book chapters and 16 papers. In addition, 39 DNA barcodes have been generated for 24 species as a part of barcoding of National Zoological Collections. I congratulate all the Officers and Staff of ZSI for making significant progress in April 2022.

Jai Hind

Dr. DHRITI BANERJEE
Director
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Banerjee, Director, ZSI with
the Hon'ble Governor of
Himachal Pradesh

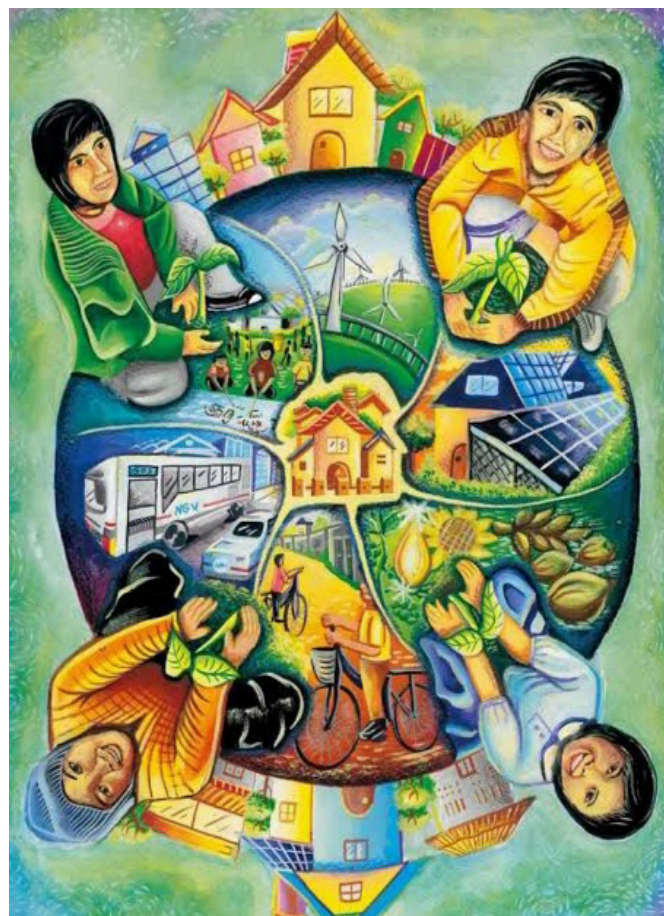
HEADQUARTERS, KOLKATA

Research Advisory and Monitoring Committee (RAMC) meeting was organized under the Chairmanship of Dr. S. K. Gairola, IFS, PCCF and HoFF (Retd.), Maharashtra State at Andaman and Nicobar Regional Centre, Port Blair on 23rd and 24th April 2022 with the participation of 13 members from different institutions. The inputs of ZSI for SDG global indicator 15.8.1, draft EnviStat document for frequently asked questions and Ocean Accounts Diagnostic tools have been provided to Ministry of Statistics. Comments on the diversion of 29.26 ha. Forest land

between Diguvametta and Gajulapalli of Guntur and Guntakal Stations for doubling and electrification of railway track submitted to Wildlife Department, Andhra Pradesh. The action taken report of ZSI on the Independence Day speech of PM and President since year 2014 and the inputs for UNSECAP's document "From gross domestic product to well-being and sustainability: means and measure" that is due to be discussed during the 78th Annual Session of UNSECAP have been submitted to MoEFCC. Altogether 104 species under the faunal groups

such as Nematoda, Annelida, Arachnida, Platyhelminthes and Diptera have been augmented to National Zoological Collections. The identification services rendered to Kumaun University for earthworms, SRRC (CSWRI), Kodaikanal for Leeches, Lovely Professional University, Punjab on spiders and Central University of Himachal Pradesh for Dipteran specimens.

Painting competition organized on Earth Day on 22nd April 2022 at ZSI Headquarters



NORTH EASTERN REGIONAL CENTRE, SHILLONG, MEGHALAYA



Identification of 38 species containing 160 examples, viz. Pisces- 19 spp., 103 exs, Amphibia- 07 spp., 31 exs, Reptilia- 04 spp., 07 exs, Mammalia- 05 spp., 13 exs and Crustacea- 03 spp., 06 exs have been made for the month. Identification & advisory services have been rendered to St. Anthony's College, Shillong on Amphibia and Assam University, Silchar on Pisces.

Sylvirana cf. lacrima
Sheridan and Stuart, 2018

WESTERN REGIONAL CENTRE, PUNE, MAHARASHTRA

Two surveys conducted to Paradeep, Odisha under "WAPCOS Sea Turtle Project" from 12.04.2022 to 17.04.2022 and to Nilgiri Biosphere Reserve part of Nilambur forests, Kerala under "Monitoring Arthropods in Freshwater and Terrestrial Ecosystems of Long Term Ecological Observatories (LTEO) of India Project" from 18.04.2022 to 03.05.2022. Scientists have identified 87 species from 399 examples, viz. Amphibia-04 spp. from 22 exs (from survey conducted) and Decapoda- 05 spp., 26 exs; Coleoptera- 30 spp., 215 exs; Diptera- 01 sp., 04 exs; Lepidoptera- 36 spp., 100 exs; Odonata- 03 spp., 14 exs; Reptilia- 08 spp., 18 exs. Identification & Advisory services rendered to the Range Forest Officer, Panvel, Raigad district, Maharashtra; Vartak Nagar Police Station, Thane, Maharashtra and Wildlife Crime Control Bureau, Regional Office, Cochin, Kerala. 19 DNA Barcodes of 12 spp. of small mammals submitted to the GenBank.

Dark blue tiger, *Tirumala septentrionis* (Butler, 1874)



Jungle owlet, *Glaucidium radiatum* (Tickell, 1833)

CENTRAL ZONE REGIONAL CENTRE, JABALPUR, MADHYA PRADESH

Gyps bengalensis
Gmelin 1788



Ciconia episcopus Boddaert, 1783

Survey conducted to Gandhisagar and Ratapani Wildlife Sanctuary in Madhya Pradesh during 31st March to 11th April 2022. Altogether 86 species from 250 specimens

comprising 17 species of butterflies, 44 species of moths, 5 species of odonates, 7 species of coleopterans and 4 species of amphibians were identified.

DESERT REGIONAL CENTRE, JODHPUR, RAJASTHAN

Total 992 exs. referable to 86 species (11 species of Arachnida, 5 species of Gastropoda, 64 species of insects & 6 species of Pisces) have been identified during the month by scientists and scientific staff of the centre.



Bombus keriensis
Morawitz, 1886



Urva edwardsii É. Geoffroy
Saint-Hilaire, 1818

Scientists of the centre examined 350 specimens and identified 53 species (i.e. 8 species of Protozoa (Testate amoebae); 13 species of Phthiraptera; 22

species of Lepidoptera; 4 species of Odonata; 4 species of Pisces and 2 species of Amphibia. Three DNA barcodes were generated belonging to the faunal orders; Lepidoptera,

Orthoptera and Coleoptera. World Earth Day was celebrated at the Centre on 22 April, 2022 by planting saplings in and around

the campus of Centre. One Identification and advisory services was rendered during the month. Two research papers reviewed for National Journal.



Indian white-eye,
Zosterops palpebrosus
(Temminck, 1824)

NORTHERN REGIONAL CENTRE, DEHRADUN, UTTARAKHAND

Oriental turtle dove,
Streptopelia orientalis
(Latham, 1790)



SOUTHERN REGIONAL CENTRE, CHENNAI, TAMIL NADU

Punchakolli
River

Field survey was undertaken from 18th to 30th April to Kerala Part of Nilgiri Biosphere Reserve (Nilambur North Division) under LTEO Arthropod project and collected various faunal groups. The scientists of the centre identified and registered 266 specimens belonging to 134 species of Zooplankton, Odonata, Hemiptera, Psocoptera, Mollusca, Pisces, and Reptiles. One new species of Psocoptera, *Phallocaecilius indicus* Ramesh, Babu & Subramanian, 2022 was discovered from the southern Western Ghats of Tamil Nadu and Kerala.



GANGETIC PLAINS REGIONAL CENTRE, PATNA, BIHAR

Total 252 examples under 17 species were identified from the recent collection of the samples of Molluscs from Fauna of Bihar invertebrates-Part II. Altogether 142 examples under

Himalayan Griffon
Gyps himalayensis
Hume 1869

12 species were also identified during the month reported from the backlog collections Graduate Zoology Student of Shri Arvind Mahila Mahavidyalay Patliputra University, Patna visited the museum of ZSI GPRC Patna and interacted.

HIGH ALTITUDE REGIONAL CENTRE, SOLAN, HIMACHAL PRADESH

Scientists of this Centre identified, registered and digitised 214 specimens of 51 species of different faunal groups. Identification & advisory services rendered for three organizations/ institutions. The Molecular Systematic



| ZSI team with Honourable Governor of Himachal Pradesh

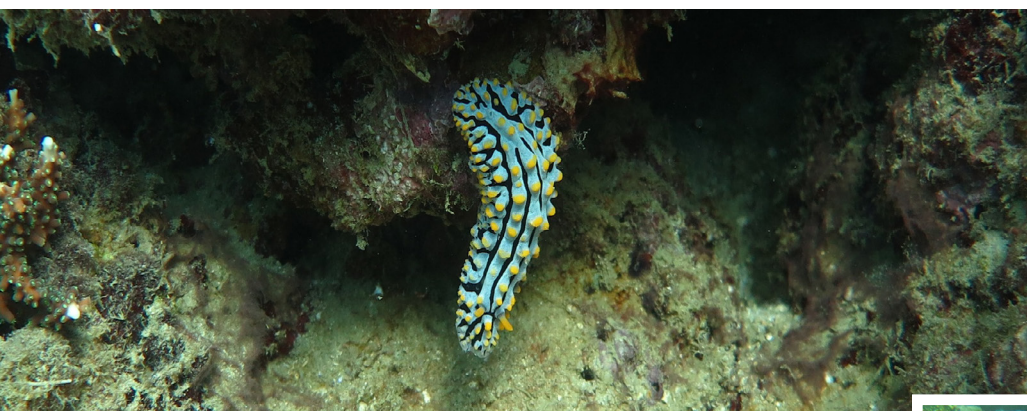
Laboratory has been established at ZSI, Solan. The book on Fauna of Himachal Pradesh (Part 1 & 2) was released by Honourable Governor of Himachal Pradesh, Shri Rajendra Vishwanath Arlekar on 07.04.2022 at Raj Bhawan, Shimla, which includes 8342 species referable to 54 groups and 720 families, which comprises nearly 8% of Indian faunal Diversity.

| Molecular Systematic Laboratory inaugurated by Director, ZSI at HARC, Solan on 06.04.2022



ANDAMAN AND NICOBAR REGIONAL CENTRE, PORT BLAIR

| *Carteriospongia foliascens* Pallas 1766



| *Phyllidia varicosa* Lamarck 1801

Two surveys conducted to Swarajdeep Island during 14th to 17th & 24th April 2022 and Baratang, Middle Andaman during 26th April 2022 respectively to study the terrestrial and marine faunal diversity. Local field surveys were conducted in different localities of South Andaman to study the terrestrial faunal diversity during 9th, 14th, 16th, 17th, 18th & 25th April 2022. A total of 367 species comprising of Fishes 25 species; Coral 77 species; Zoanthid 2 species; Molluscs 23 species and Sipuncula 5 species were identified from the marine environment and Leiodoptera 102 species; Arachnida 36 species; Reptiles 9 species; Birds 88 species were identified from the terrestrial environment. Metadata for 327 registered specimens have been prepared, of which, 82 specimens belong to marine ecosystem and 245 specimens under terrestrial ecosystem.



SUNDERBAN REGIONAL CENTRE, CANNING, WEST BENGAL



| *Armina cygnea* (Bergh, 1876)



21.01.2022

| *Stomopneustes variolaris* (Lamarck, 1816)

Scientists of the centre conducted 7 days local survey on 5th, 6th, 9th, 10th, 13th, 20th & 21st April

2022 and collected representative samples of Fish, Mollusca & Crustacea. A total of 128 spp. containing 78

spp. of mollusca, 35 spp. of fish, 11 spp. of crustaceans and 4 spp. of echinoderms were identified and 167

examples (67 spp. & 81 digitization) were identified from the unnamed collections of Marine Aquarium

Regional Centre, Digha and deposited in NZC, MARC, Digha on 05.04.2022.

FRESHWATER BIOLOGY REGIONAL CENTRE, HYDERABAD, TELANGANA

| A troop of Hanuman langur near Nanded, Maharashtra



| Jungle cat
Felis chaus
Schreber, 1777

The scientists, staff and research scholars of the centre examined 1108 specimens from various lakes and protected areas of Telangana, Andhra Pradesh, Jharkhand and Maharashtra. Identified 13 species of Aquatic Coleoptera, 15 species of Aquatic Hemiptera, 4 species of Ostracoda, 14 species of Branchiopoda, 2 species of Decapoda, 15 species of Mollusca and 69 species of fishes during the month.

WESTERN GHAT REGIONAL CENTRE, KOZHIKODE, KERALA

Scientists of the centre identified 86 spp. from 267 exs containing various groups of Insects and Crustacea. Identification & advisory services rendered for ZSI, Southern Regional Centre and Northern Regional Centre on Hymenoptera.



Forficula greeni,
Burr

Priotyrranus mordax, White



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

Seventy eight species which include Annelids, Crustaceans, Insects, Molluscs and Fishes have been identified. A total of 993 turtles were tagged onshore at Rushikulya estuary during nesting. One DNA barcode was uploaded in the NCBI database. A new conger eel species *Ariosoma indicum* Kodeeswaran et.al. described based on 12 specimens collected from Arabian Sea and 7 specimens from Bay of Bengal. 4 manuscripts reviewed by the scientists of the centre for different journals.

MARINE AQUARIUM AND REGIONAL CENTRE, DIGHA, WEST BENGAL

Scientists have conducted 02 days local survey [12th & 26th April 2022] at Digha Mohana & Udaypur, West Bengal and collected 33 specimens belonging to 28 exs. of mollusca and 05 ex. of fishes. Scientists and staff of the centre have identified 180 species from 602 specimens, belonging to 335 exs. of Mollusca (106 spp.), 185 exs. of Chordata (62 spp.), 27 exs. of Cnidaria (04 spp.), 26 exs. of Arthropoda (02 spp.), 12 exs. of Echinodermata (02 spp.), 10 exs. of Annelida (01 sp.)



Ficus filosa (G.B.
Sowerby III, 1892) 1830

and 07 exs. of Platyhelminthes (03 spp.). This month 12,922 tourists visited the centre and 30 examples of live specimens have been added to aquarium. Two manuscripts have been reviewed and seven interactive lectures delivered by the scientists of the centre.



Pristipomoides filamentosus
(Valenciennes, 1830)

NEW DISCOVERIES AND NEW RECORDS

NEW SPECIES



Heriaeus chareshi Sen
& Sureshan, 2022



Phallocaecilius indicus Ramesh, Babu &
Subramanian, 2022



*Ariosoma
indicum*
Kodeeswaran, et
al. 2022



Leptanilla ujjalai Sheela,
Mandi & Dubey, 2022

NEW RECORDS PUBLICATIONS

BOOKS

1. Fauna of Agroecosystem of Haryana and Punjab. 2022. 1-178 + 8 plates. (Published by the Director, Zoological Survey of India, Kolkata). (ISBN: 978-81-8171-584-5).
2. Fauna of Koyna Wildlife Sanctuary, Maharashtra: Conservation Area Series. 2021. 66: 1-247. (Published by the Director, Zoological Survey of India, Kolkata). (ISBN: 978-81-8171-579-1; Released in April, 2022).
3. Fauna of Navegaon National Park, Maharashtra: Conservation Area Series. 2022. 68: 1-210. (Published by the Director, Zoological Survey of India, Kolkata). (ISBN: 978-81-8171-583-8).

PAPERS

1. Ahmed, S., Emiliyamma, K.G., Marimuthu, N., Sajan, S. & Julka, J.M. 2022. A new species of the genus *Tonoscolex* Gates, 1933 (Clitellata: Megascolecidae) from India. *Zootaxa*, 5124(3): 375–382.
2. Bindu, L. 2022. Novel records of testate amoebae (Protozoa: Tubulinea and Cercozoa) from Peppara Wildlife Sanctuary, Agasthyamalai Biosphere Reserve, Kerala. *Biological Forum-An International Journal*, 14(1): 1284-1286.
3. Bindu, L. & Sathish Kumar, V.M. 2022. A preliminary report of Testate Amoebae (Protozoa: Tubulinea and Cercozoa) in Govind National park, Uttarakhand, India. *Journal of Scientific Research & Reports*, 28 (2): 34-45.
4. David, P. & Deuti, K. 2022. On the type specimens of *Pareas macularius* Theobald, 1868 and *Pareas berdmorei* Theobald, 1868 with the designation of a lectotype for *Pareas macularius* (Squamata: Serpentes: Pareidae). *Zootaxa*, 5105 (4): 490-500.
5. Dubey S. & Kushwaha S, 2022. A review on pharmacological properties of. *J Nutr Metab Health Sci*;5(1):11-17
6. Hassan, M. E., Pal, A., Saha, P.C. & Mondal, R. 2022. First record of two spotted stink bug, *Perillus bioculatus* (Fabricius, 1775) (Heteroptera: Pentatomidae: Asopinae) predating upon *Aulacophora indica* (Gmelin, 1790) (Coleoptera: Chrysomelidae) on bitter gourd in Agro-ecosystem of Bihar, India. *Insect Environment*, 25 (1): 10-17.
7. Kodeeswaran, P., Kathirvelpandian, A., Acharya, S., Mohanty, S. R., Mohapatra, A., Ajith Kumar, T.T. & Lal, K. K. 2022. *Ariosoma indicum* sp. nov., a new species of Congrid eel (Anguilliformes: Congridae: Bathymyrinae) from the Indian water. *Journal of Fish Biology*,
8. Kumar, H., K. Chandra, J. Saini & S. Kushwaha. 2022. On a collection of Orthoptera from Prayagraj District, Uttar Pradesh, India. Bugs R All #236, *Zoo'sPrint* 37(3): 37–43.
9. Mandal, C.K., Singh, G., Chowhan, S., Tomar, V., Prajapati, P., Tiwari, S. & Ghosh, S. 2022. New record of earthworms (Annelida: Clitellata) in Dehradun, Uttarakhand. *J. Appl. Biosci.* 47(1&2): 102-106 (NAAS Journal).
10. Mondal, T. & Raghunathan, C. 2022. Differential thermal stress with associated bleaching on stony corals in the Andaman Sea and Bay of Bengal: yet another impact of the El Niño, *Cahiers de Biologie Marine*: 63-2: 103-117

11. Prakash, S. & Marimuthu, N. 2022. First record of some crinoid and sponge associated crustacean decapods (Crustacea: Decapoda) from Lakshadweep Archipelago. *Thalassas: An International Journal of Marine Sciences* (Springer). <https://doi.org/10.1007/s41208-022-00434-4>.
12. Ramesh, G., Babu, R. & Subramanian, K.A. 2022. First record of *Phallocaecilius* Lee & Thornton, 1967 (Psocodea: 'Psocoptera': Pseudocaeciliidae) from India, with the description of a new species from the Southern Western Ghats. *Revue suisse de Zoologie*, 129(1), 51–57. <https://doi.org/10.35929/RSZ.0061>
13. Sen, S. & Sureshan, P. M. 2022. First report of the genus *Heriaeus* Simon, 1875 (Araneae: Thomisidae) from India with the description of a new species from Western Ghats. *Proceedings of the Entomological Society of Washington*, 123(4): 847-851. DOI: 10.4289/0013-8797.123.4.847
14. Sharma, G. 2022. Studies on Mass Emergence and Reproductive Behaviour of *Bayadara indica* Selys, 1853 (Odonata: Insecta) around Yamuna River at Village Dakpathar, District Dehradun, Uttarakhand, India. *International Journal of Theoretical & Applied Sciences*. 14(1): 11-15.
15. Sheela, S., Mandi, A. & Dubey, A.K. 2022. A new species of the rare ant genus, *Leptanilla* Emery (Hymenoptera: Formicidae) from Eastern Himalaya, India. *Journal of Asian Myrmecology* 15: e015005.
16. Sheikh, S., Kushwaha, S. & Tripathy, B. 2022. On the land and freshwater Mollusca of Prayagraj and adjacent areas of Uttar Pradesh, India *Tentacle* No. 30:37-40.

BOOK CHAPTERS

1. Emiliyamma, K.G., Sureshan, P.M. and Palot, M.J. 2022. An overview. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series* 67: 1–8 (Published by the Director, Zoological Survey of India, Kolkata).
2. Emiliyamma, K.G. 2022. Insecta: Odonata. Editor-Director, 2022. *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series*: 67:52-72.
3. Emiliyamma, K.G. 2022. Insecta: Dermaptera. Editor-Director, 2022. *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series*: 67: 83-88.
4. Hassan, M.E., Kushwaha, S., Saha, P.C., Das Gupta, J., Khanra, S., Mukherjee, P., Jahan, S., Dam, D. and Suman, K. 2022. *Terrestrial*

- Heteroptera Fauna of Thar Desert of Gujarat:* 107-121, Ed. by Mishra N., Kushwaha S., Malviya S.J. and Dubey S., 2022. Challenges and Opportunities in Nutrition, Environment, and Agriculture, 29: 1-339 (Published by the Rathore Academic Research Publication, New Delhi.)
5. Hassan, M.E., Kushwaha, S., Saha, P.C., Das Gupta, J., Khanra, S., Mukherjee, P., Jahan, S., Dam, D. and Suman, K. 2022. *On a Collection of Insecta: Hemiptera of Coringa Wildlife Sanctuary Andhra Pradesh:* 133-154, Ed. by Mishra N., Kushwaha S., Malviya S. J. and Dubey S., 2022. Challenges and Opportunities in Nutrition, Environment, and Agriculture, 29: 1-339 (Published by the Rathore Academic Research Publication, New Delhi.)
 6. Hassan, M.E., Kushwaha, S., Saha, P.C., Das Gupta, J., Khanra, S., Mukherjee, P., Jahan, S., Dam, D. and Suman, K. 2022. *Diversity of Insecta: Hemiptera (Terrestrial) of Rajasthan:* 235-263, Ed. by Mishra N., Kushwaha S., Malviya S. J. and Dubey S., 2022. Challenges and Opportunities in Nutrition, Environment, and Agriculture, 29: 1-339 (Published by the Rathore Academic Research Publication, New Delhi.)
 7. Kaur, S. and Pandher, M.S. 2022. Insecta: Neuroptera. In: *Fauna of Himachal Pradesh, State Fauna Series*, Published by Director Zoological Survey of India, Kolkata .26 (Part-2) 67-75.
 8. Kumar, A. 2022. Aves. In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 144-169.
 9. Kumar, A. 2022. Mammals. In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 170-178.
 10. Mandal, C.K. 2022. Annelida: Megadrils (Earthworms). In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 113-117.
 11. Pandher, M.S, Kaur, S. and Garima, D. 2022. Insecta: Trichoptera. In: *Fauna of Himachal Pradesh, State Fauna Series*, Published by Director Zoological Survey of India, Kolkata .26 (Part-2) 77-92.
 12. Palot, M.J. 2022. Insecta: Lepidoptera: Rhopalocera. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series 67:* 89-117 (Published by the Director, Zoological Survey of India, Kolkata).
 13. Palot, M.J. 2022. Mammalia. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series 67:* 329-344 (Published by the Director, Zoological Survey of India, Kolkata).
 14. Palot, M.J. 2022. Aves. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series 67:* 266-328 (Published by the Director, Zoological Survey of India, Kolkata).
 15. Palot, M.J. and Murthy, B.H.C.K. 2022. Reptilia. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series 67:* 248-265 (Published by the Director, Zoological Survey of India, Kolkata).
 16. Saini, K. 2021. Insecta: Orthoptera: Ensifera, *Fauna of Himachal Pradesh, State Fauna Series*, 26 (Part-1): 277-288, 2021.
 17. Saini, K. 2021. Insecta: Orthoptera: Caelifera, *Fauna of Himachal Pradesh, State Fauna Series*, 26 (Part-1): 289-292, 2021.
 18. Shaji, C.P. and Palot, M.J. 2022. Pisces. In: The Director (Ed.), *Fauna of Thattekkad Bird Sanctuary, Ernakulam district, Kerala, Conservation Area Series 67:* 210-236 (Published by the Director, Zoological Survey of India, Kolkata).
 19. Sharma, G. and Sathish kumar, V.M. 2022. An Overview. In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 1-11.
 20. Sharma, G. 2022. Odonata. In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 22-32.
 21. Sharma, V. 2022. Nematoda (Dorylaimida and Mononchida). In: *Fauna of Agroecosystem of Haryana and Punjab*. Published by the Director, Zoological Survey of India, Kolkata. pp. 12-21.

MEETINGS ATTENDED

1. Dr. Dhriti Banerjee, Scientist-G & Director, ZSI inaugurated 'Molecular Systematics Lab' and released a book 'Fauna of Himachal Pradesh' at HARC, Solan on 5.4.2022 and 7.4.2022, respectively. The book was released in a function at Governor House, Shimla in the presence of the Hon'ble Governor of Himachal Pradesh; attended a proposal meeting with the CITES Cell, Wildlife Division, MoEFCC to amend the CITES Appendices for CITES CoP 19 on 13th

April, 2022; attended an agenda meeting of *Rajadhani Rythu Parirakshana Samithi* regarding commence development of the project on the land allotted in Amaravati, Andhra Pradesh on 13th April, 2022; attended the 121st Annual General Meeting of *Bharat Chamber of Commerce* on 17th April, 2022; celebrated World Earth Day with Soroptimist International South Kolkata & Soroptimist International Bangalore and provided a lecture on “*Women, Empowerment & Environment*” on 22nd April, 2022; attended a video conference of the Departmental Peer Review Committee (DPRC) meeting under the Chairmanship of the Secretary, MoEFCC on 26th April, 2022 for consideration of in-situ promotion of scientist in the MoEFCC under the Flexible Complementing Scheme (FCS); attended Research Advisory & Monitoring Committee (RAMC) meeting at ANRC, ZSI, Port Blair from 23rd to 26th April 2022; attended and discussed the Agenda of 66th meeting of Expert Committee on Access and Benefit Sharing organized by National Biodiversity Authority, Chennai on 27th April, 2022; discussed List of Sustainable Development Goals (SDG) indicators with MoSPI, MoEF&CC on 28th April, 2022; signed an MoU with Shri Shivaji University, Kolhapur at WRC, Pune on 29th April, 2022.

2. Dr. C. Raghunathan, Scientist-E convened Ph.D. Viva voce examination for Pondicherry University on 1st April 2022; attended the 3rd Meeting of National Wetlands Committee at MoEFCC, New Delhi on 6th April 2022; attended the 37th Meeting of Lakshadweep Coastal Zone Management Authority held on 18th April 2022; attended the State Level Steering Committee Meeting for Sunderban Biosphere Reserve held by Dept. of Forests, Government of West Bengal on 22nd April 2022; convened the 15th RAMC meeting ZSI at ZSI, Port Blair on 23rd and 25th April 2022; attended the meeting on Great Nicobar Master Plan – Niti Aayog at Ministry of Home Affairs, Government of India at New Delhi on 27th April 2022 to address the observations on EIA report submitted by AECOM; attended the meeting with Chief Engineer, CCU, MoEFCC at New Delhi on 28th April 2022 for preparation of building plan for Eastern Ghats Regional Centre, Amaravati, Andhra Pradesh; attended the 38th meeting of Lakshadweep Coastal Zone Management Authority held on 29th April 2022
3. Dr. S. Balakrishnan, Scientist – D, Chaired a Ph.D. viva-voce examination for Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, on 01st April 2022; participated online consultative meeting on “Experimental study to analyze the impact of electronic pulse repellent in by-catch reduction through online platform on 02nd April 2022.
4. Dr. C. Sivaperuman, Scientist-E attended Inter Agency Coordination meeting held on

25th April 2022 at Port Blair organised by Wildlife Crime Control Bureau, Southern Region, Chennai; attended meeting with Additional PCCF, Department of Environment and Forests, on 22nd April 2022 in connection with the on-going annual research programme on Leatherback Sea Turtle.

5. Dr. Gaurav Sharma, Scientist-E as External Subject Expert Member attended meeting on evaluation of research work of Mr. Deepesh Saini (CSIR Fellowship) upgradation from JRF to SRF organized by Wildlife Institute of India, Dehradun through virtual mode on 12 April, 2022; as External Expert Member attended Pre-Thesis Seminar and six Monthly Progress Evaluation of Research Scholars of FRI (DU) organized by the Head, Forest Protection Division, Forest Research Institute, Dehradun on 25 April, 2022; as External Expert Member attended Research Advisory Committee Meeting of Forest Entomology Discipline, Forest Protection Division at Forest Research Institute, Dehradun on 25 April, 2022.
6. Dr. R.Venkitesan, Scientist-E, served as an external examiner for a Ph.D. public viva-voce examination at Bharathiar University in Coimbatore, Tamil Nadu, on April 6, 2022.
7. Dr V.D. Hegde, Scientist-E attended a meeting as a member, assessment committee for UGC-CSIR JRF to SRF upgradation at St. Joseph's College, Devagiri, Kozhikode on 20.04.2022.
8. Dr. Indu Sharma, Scientist-E attended 12th meeting of the Rajasthan State Biodiversity Board Rajasthan on 20th April, 2022 through online mode.
9. Dr. M. Karuthapandi, Scientist C attended Andhra Pradesh State biodiversity board meeting on 28th April 2022 at Guntur.
10. Dr. C. Sivapeuman, Scientist-E, Dr. Souvik Sen, Scientist-D, Dr. Atanu Naskar, Asst. Zoologist attended the 15th RAMC Meeting of ZSI at ANRC, Port Blair from 23rd to 25th April, 2022.
11. Dr. Uttam Saikia, Sci-C attended a meeting with the Member Secretary, Meghalaya State Biodiversity Board at the Chamber of Officer-in-Charge, Botanical Survey of India, Shillong on 18th April, 2022.
12. Dr. B. Sinha, Sci-E attended a meeting of the PBR evaluation committee of Meghalaya State Biodiversity Board on 20th April, 2022.
13. Dr. Aparna S. Kalawate, Scientist-E as an expert attended the pre-PhD presentation of Ms. Prajakta Dhage at Zoology Department, Savitribai Phule Pune University on 25th April 2022.

14. Dr Gopal Sharma Scientist E attended a joint meeting with ADG Central Zoo Authority, New Delhi and the CWLW Bihar before the Hon'ble Central Minister of Environment Forest and Climate Change, Govt. of India Shri Bhupendra Yadav at Sate Guest House Patna on 08.04.2022
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15. Dr. Gopal Sharma Scientist E delivered a lecture before the students of JD Women's College Patna in the office of Zoological Survey of India, Patna during their visit to GPRC ZSI museum on 19.04.2022.
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LECTURES DELIVERED

1. Dr. C. Sivaperuman, Scientist-E delivered a talk on Climate Change and Biodiversity: An Overview Indian Scientific Expedition to Antarctica in the Heber International Conference on Climate Adaptation and Resilience on 22nd April 2022 organized by Bishop Heber College (Autonomous), Thrichirapalli, Tamil Nadu; delivered a talk on An Overview of Biodiversity with special reference to Andaman and Nicobar Islands in the National webinar as a part of celebration of World Earth Day on 29th April 2022 organized by SSM Institute of Engineering and Technology, Dindigul, Tamil Nadu.
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2. Dr. Sathish Kumar. V.M, Scientist-B delivered an invited lecture entitled "Integrated Taxonomy with special reference to the Biodiversity Research in India" at the Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun on 08 April, 2022.
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3. Dr. Uttam saikia, Sci-C imparted hands on training on chiropteran taxonomy to Sh. Jugal K. Talukdar, PhD Scholar, Bhattadev University, Assam between 4-8th April, 2022.
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4. Dr. M.J. Palot, Scientist-B delivered an online talk on 'Faunal wealth of Kerala and the Indian Wildlife (Protection) Act-An overview' at the three-days' workshop on "Environment & Sustainability in Anthropocene" organized by the Department of Plant Sciences, University of Kannur.
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5. Dr. S.S. Talmale, Scientist-B delivered an online talk on 'Identification of Mammals through Scat Analysis' for the M.Sc. Wildlife Conservation Action students of the Institute of Environment Education and Research, Bharati Vidyapeeth, Pune on 25th March 2022.
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6. Ms. Debashree Dam, Scientist - B, delivered a lecture on "The Blue Planet" in Regional language (Bengali) to the students and faculty members of P.G.B.S. Niketan School, Narayangan, Kharagpur along with a guided tour of Marine aquarium and Museum in MARC, ZSI, Digha. and delivered a lecture as an invited speaker in an interactive programme on "Science and Environment" to the students of Kishorenagar Sachindra Siksha Sadan Government School, Contai, Purba Medinipur District, West Bengal on 12th April 2022; delivered a lecture in regional language(Bengali) as an invited speaker in an interactive programme on "Science and Environment" to the students of Kishorenagar Sachindra Siksha Sadan Government School, Contai, Purba Medinipur District, West Bengal on 12th April 2022; delivered a talk on "Breaking Barriers- gender equality" in a seminar on Women Empowerment organised by Andaman & Nicobar Police administration, Port Blair on 25th April 2022.
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SUPERANNUATION



Dr. S. Sambath, Scientist - E
and Officer-in-Charge of
Central Zone Regional
Centre, Jabalpur, Madhya
Pradesh superannuated
on 30th April 2022 after
rendering 18 years of
service in Zoological
Survey of India.
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