



**Tamil Nadu Forest Department
1st Annual Wildlife Research Meeting
Date: 27 October 2017**

**Venue:
Advanced Institute for Wildlife Conservation
(Research, Training & Education), Vandalur, Chennai**

| HALL No: 1 | HALL No: 2 |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Inaugural Session | |
| Plenary Session | |
| Technical Session:1 | Technical Session:2 |
| Animal Ecology: Population dynamics, Conservation Genetics & Behavioural studies | Forest Vegetation, population dynamics, threatened floral species and Climate Change |
| Technical Session:3 Landscape Conservation and Management: Studies on Critical Corridors & Human-Wildlife Conflict | Technical Session:4 Studies on Coastal and Marine Biology |
| | Technical Session:5 Studies on Avifauna |
| Poster presentations in the lobby | |

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| 09:30 - 09:50 hrs | INAUGURAL SESSION |
| Welcome | APCCF & Director, Arignar Anna Zoological Park, Vandalur |
| Meeting perspective | <ul style="list-style-type: none"> • Research Coordinator - APCCF (Wildlife) |
| Address | <ol style="list-style-type: none"> 1. Principal Chief Conservator of Forests (HoD) 2. Principal Chief Conservator of Forests and Chief Wildlife Warden (HoFF) 3. Principal Secretary, E & F |
| | <ul style="list-style-type: none"> • Release of AIWC Technical Manual & SACON Booklet |
| Vote of thanks | Deputy Director, AIWC |

09:50 – 11:10 Hrs**PLENARY SESSION****Chair Dr. A.J.T. Johnsingh**

| S.No | Time | Title |
|------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 09:50-10:05 hrs | Threatened fauna of Southern Western Ghats, Critical issues for conservation Dr. A.J.T. Johnsingh |
| 2 | 10:05-10:20 hrs | Coral and Sea grass Rehabilitation in Gulf of Mannar J.K. Patterson Edward, Suganthi Devadason Marine Research Institute |
| 3 | 10:20 – 10:35 hrs | Plant communities and role of ecological restoration in recovery of rainforests and grasslands in the Anamalai hills and conservation significance of the Anamalai Tiger Reserve Dr. Divya Mudappa & Dr. Shankar Raman, Nature Conservation Foundation, Rainforest Research Station, Valparai |
| 4 | 10:35 – 10:55 hrs | Dynamics of a Tropical forest at Mudumalai, Tamilnadu Dr.H.S.Suresh , Dr.Sandeep Pulla , Mr.H.S.Dattaraj and Ms.Ekta Choudhari , Centre for Ecological Sciences, Indian Institute of Science, Bengaluru |
| 5 | 10:55 – 11:10 hrs | Hydrologic and carbon services in the Western Ghats (Response of forest and agro ecosystems to extreme rainfall events - Dr. Ravinder Singh Bhalla, Foundation for Ecological Research, Advocacy and Learning (FERAL), Pondicherry |
| | 11:10 - 11:20 hrs | Chairperson's remarks |

11:20 hrs – 11:40 hrs:PHOTOGRAPH AND TEA SESSION**PARALLEL TECHNICAL SESSIONS - 1 & 2**

| Hall No: 1 | | | Hall No: 2 | | |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic: Animal Ecology: Population dynamics, Conservation Genetics & Behavioural studies | | | Topic: Forest Vegetation, population dynamics, threatened floral species and Climate Change | | |
| Chair: Dr. K. Sankar | | | Chair: Dr. D. Narasimhan | | |
| S.no | Time | Title | S.no | Time | Title |
| 1 | 11:40 – 11:50 hrs | Behavioural responses of Lion tailed macaque (<i>Macaca silenus</i>) to a matrix of anthropogenic habits in South India in Anamalais Ashini Kumar Dhawale, NCBS, Bangalore | 1 | 11:40-11:50 hrs | Studies on the flora of Kanyakumari Wildlife Sanctuary J.H. Franklin Benjamin & R.G. Vadhyar Botanical Survey of India, Southern Regional Centre, Coimbatore |
| 2 | 11:50 – 12:00 hrs | Population genetics of the Asian elephant and Nilgiri Tahr Dr. Priya Davidar, Dept. of Ecology & Environmental Sciences/Dept. of Biotechnology, Pondicherry University | 2 | 11:50-12:00 hrs | Ecological investigations on selected endemic tree and their conservation strategies in the forests of Tamil Nadu, India, Dr.Chellam Muthuperumal, Landscape Ecology Division, SACON, Coimbatore |
| 3 | 12:00 – 12:10 hrs | Feeding Ecology of Sloth bear (<i>Melursus ursinus</i>) in Grizzled Giant Squirrel Sanctuary Arun Raj, Post-graduate and Research Department of Zoology, Ayya Nadar Janki Ammal College, Sivakasi | 3 | 12:00-12:10 hrs | Floristic survey of Megamalai WLS C. Murugan & S. Arumugam Botanical Survey of India, Southern Regional Centre, Coimbatore |
| 4 | 12:10 – 12:20 hrs | Amphibians and reptiles of Southern Eastern Ghats Dr.S.R.Ganesh, Chennai Snake Park, Chennai | 4 | 12:10 - 12:20 hrs | Climber species composition and distribution pattern along the elevation gradient of Coutrallun Hills, Southern Western Ghats Elumalai Pandian Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli |

PARALLEL TECHNICAL SESSIONS - 1 & 2

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| Chair: Dr. K. Sankar | | | Chair: Dr. D. Narasimhan | | |
| S.no | Time | Title | S.no | Time | Title |
| 5 | 12:20 – 12:30 hrs | Preliminary survey of Kyasanur forest Disease virus in ticks and rodents in the forest fringes at Mudumalai Tiger Reserve and Sathyamangalam Tiger Reserve Mr. A. Elango, Senior Technical Officer, Vector Control Res. Centre, Pondicherry | 5 | 12:20-12:30 hrs | Documentation of population demography and genetic structure of teak for developing sustainable conservation strategies and resource management V.K.W. Bachpai, Institute of Forest Genetics and Tree Breeding, Coimbatore |
| 6 | 12:30 – 12:40 hrs | Distribution and genetic variation of <i>Batrachochytrium dendrobatidis</i> in Indian anurans Dr. Karthikeyan Vasudevan, Centre for Cellular and Molecular Biology, Hyderabad | 6 | 12:30 – 12:40 hrs | Distribution mapping guided genetic diversity and reproductive ecology of <i>Uleria salicifolia</i> Bedd. ex Hook. f., an endemic and endangered medicinal plant S. Gokul, CSIR-CIMAP Research Center, Bengaluru |
| 7 | 12:40 – 12:50 hrs | Tiger Monitoring in Western Ghats, Nilgiris and Sathyamangalam (2010-2016) K. Vijayakumar, WWF, Gudalur | 7 | 12:40 – 12:50 hrs | Preliminary observations and impacts of <i>Prosopis juliflora</i> in Ramanathapuram district of Tamil Nadu Dr. Kamalakannan, Wildlife Institute of India, Dehradun |
| 8 | 12:50 – 13:00 hrs | Comparative distribution and ecology of primates of the genus <i>Semnopithecus</i> in the Southern Western Ghats, India FERAL | 8 | 12:50 – 13:00 hrs | Global climate change poses an extinction threat to tropical grasslands: An experimental study from unique forest-grassland mosaics of India's Western Ghats biodiversity hotspot Athul Jothi , NCBS, Bengaluru |
| 9 | 13:00 – 13:15 hrs | MHC Microsatellite based population assessment validation and allele specific assay for precise identification of species and sex of Tiger and Leopard and Habit, Occupancy small carnivores and Wild dogs in Mudumalai Tiger Reserve Dr.R.Sanil, Associate Professor Govt Arts College, Udhaigai | 9 | 13:00 - 13:10 hrs | Climate Change Impact on the Shola Forest of Palani Hills - Western Ghats Dr. R. Harish, Centre for Climate Change and Adaptation Research, Anna University, Chennai |
| 10 | 13:15 - 13:25 hrs | Impacts of habitat fragmentation on host parasite interaction in endemic and endangered animals of Western Ghats and Impacts of habitat fragmentation on reproductive and genetic variation in the lion-tailed macaque in rainforest fragments of Western Ghats Dr. G.Umapathy, LaCONES, CCMB, Hyderabad | 10 | 13:10-13:20 hrs | Qualitative Study on Delivery Practices of Traditional Birth Attendants in Palliyar Tribes of Dindigul District Tamil Nadu Dr.J.John Britto, Consultant Tribal Health Research Unit ICMR-National Institute of Epidemiology, Chennai |
| 11 | 13:25-13:35 hrs | Status and distribution of Nilgiri Tahr in the Western Ghats, India - N.Mohanraj, World Wide Fund of India, Coimbatore | 11 | 13:25-13:35 hrs | Long term monitoring in the wet evergreen forests of KMTR R.Ganesan, T.Ganesh, M.Soubadra Devy - ATREE |
| | 13:35 - 13:45 hrs | Chairperson's remarks | | 13:20 - 13:35 hrs | Chairperson's remarks |

13:35 – 14:15 hrs: Lunch

| PARALLEL TECHNICAL SESSIONS - 3 & 4 | | | | | |
|-----------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hall No: 1 | | | Hall No: 2 | | |
| Topic: Animal Ecology: Population dynamics, Conservation Genetics & Behavioural studies | | | Topic: Coastal and Marine Biology Studies | | |
| Chair: Thiru . Ajay Desai Co-Chair : Dr. Wesley Sundaraj | | | Chair: Dr. E.Vivekanandan | | |
| S.no. | Time | Title | S.no | Time | Title |
| 1 | 14:15 – 14:25 hrs | Bridging the Shencottah gap: How payments for ecosystem services can restore biodiversity outside protected areas in India FERAL, Pondicherry | 1 | 14:15 – 14:25 hrs | An integrated coral ecosystem model projecting health status of coral reefs of Gulf of Mannar Thiru Saravanakumar, Centre of Advanced Studies in Marine Biology, Annamalai University |
| 2 | 14:25-14:35 hrs | Identifying Critical Areas for a Landscape Level Wildlife Corridor in the Southern Western Ghats FERAL, Pondicherry | 2 | 14:25-14:35 hrs | Quantification and impact of domestic and industrial effluents discharges in to Gulf of Mannar in Tuticorin District, with specific focus on heavy metal concentration in water, sediment and biological samples R. Rajaram, Department of Marine Science, Bharathidasan University, Tiruchirappalli |
| 3 | 14:35 – 14:45 hrs | Gap analysis of Periyar-Agsthyamalai landscape for arboreal mammal conservation FERAL, Pondicherry | 3 | 14:35 – 14:45 hrs | Humpback dolphins and their interactions with artisanal fisheries in the Palk Bay and the Gulf of Mannar, Tamil Nadu, India Thiru Rahul Muralidharan, ATREE, Bengaluru |
| 4 | 14:45 - 14:55 hrs | Stress responses of Asian Elephant (<i>Elephas maximus</i>) in a human - dominated landscape in the Western Ghats Sreedhar Vijakrishnan, NCBS, Bengaluru | 4 | 14:45-14:55 hrs | Saving the Dugong: Current status of Dugong conservation in the Tamil Nadu Thiru Premjothi, Wildlife Institute India, Dehradun |
| 5 | 14:55 - 15:05 hrs | Status and conservation perspectives of elephant corridors in Tamil Nadu, India K. Ramkumar, Wildlife Trust of India, Uttar Pradesh, | 5 | 14:55-15:05 hrs | Protection of the Fast Eroding Vaan Island in Gulf of Mannar J.K. Patterson Edward, Suganthi Devadason Marine Research Institute, Tuticorin |
| 6 | 15:05 – 15:15 hrs | An overview Human -Elephant Conflict in Tamilnadu Krishnagiri districts, Tamil Nadu Tamilalakkiya.M, Department of Geography, University of Madras | 6 | 15:05 – 15:15 hrs | Olive Ridely (sea turtle) Egg collection and hatching related details of Nagapatinam District K. Mohankumar, Ph.D. Research Scholar, Department of Geography, Madurai Kamaraj University, Madurai |
| 7 | 15:15 - 15:25 hrs | Human deaths caused by elephants in Gudalur Division, Ajay A Desai, WWF India | 7 | 15:15 - 15:25 hrs | Olive Ridley Sea Turtle (<i>Lepidochelys Olivacea</i>) Conservation Akila Balu, Coordinators, Students Sea Turtle Conservation Network (SSTCN), Chennai |
| 8 | 15:25 – 15:35 hrs | Pachyderms, panthers, and primates: understanding human wildlife interactions on the Valparai plateau, Anamalais Thiru M. Ananda Kumar,NCF, Valparai | 8 | 15:25 – 15:35 hrs | Marine Mammals and sea Turtle standing along Kangipuram-Chennai Coast Since 2009 Dr.. Supraja Dharani ,TREE Foundation |
| 9 | 15:35 – 15:45 hrs | Human - elephant conflict issues with special reference to people’s perceptions at high conflict areas in the Tamilnadu part of the Nilgiri biosphere reserve, Southern Western Ghats Ramakrishnan, B., Government Arts College, Udthagamandalam | 9 | 15:35 – 15:45 hrs | A Control of Physicochemical parameters on the massive coral reefs species in Gulf of Mannar, Tamil Nadu India Dr. Krishnakumar, DST-National Post Doctoral Fellow ,Institute for Ocean management Anna University, Guindy Campus, Chennai |

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| S.no. | Time | Title | S.no | Time | Title |
| 10 | 15:45 – 15:55 hrs | Trade-off analysis on Elephant Corridors of Tamil Nadu Dr.A.Yasodhagayathri, Imayam Institute of Agriculture and Technology, Trichy | 10 | 15:45 – 15:55 hrs | Impact of Large Scale Cultivation of <i>Kappaphycus alvarezii</i> on the coastal environment of Tamil Nadu, and Establishment of “Sentinel” site Gulf of Mannar Marine National Park, Tamil Nadu C.R., Deepak Samuel National Centre for Sustainable Coastal Management, Ministry of Environment, Climate & Forest Change, Anna University Campus, Chennai 600 025 |
| | 15:55 - 16:05 hrs | Chairperson's remarks | | 15:55 - 16:05 hrs | Chairperson's remarks |

16:05 – 16:20 hrs: Tea

TECHNICAL SESSION - 5

| Hall No :2 | | |
|--------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic: Avifauna | | |
| Chair: Dr. R.J. Ranjit Daniels | | |
| S. No. | Time | Title |
| 1 | 16:20 – 16:35 hrs | Butterfly Survey and Avifauna diversity in Mudumalai Tiger Reserve Dr. T. Badrinarayanan., MS, VANAM Trust, Theni |
| 2 | 16:35 – 16:45 hrs | Tracking migrant harriers across space and time: understanding migration patterns and identifying key habitats in Tirunelveli and Thoothukudi districts-ATEE Bangalore |
| 3 | 16:45 – 16:55 hrs | Conservation and management of nest trees of cavity nesting birds in the riparian forests of Coimbatore Forest Division, Tamil Nadu P. Balasubramanian* & P. Manikandan, Salim Ali Centre for Ornithology and Natural History, Coimbatore |
| 4 | 16:45 – 16:55 hrs | Diversity and Conservation Significance of Forest Birds in the Eastern Ghats of Tamil Nadu R J Ranjit Daniels, Care Earth Trust, Chennai |
| 5 | 16:55 – 17:05 hrs | On Great Hornbill in Anamalai Tiger Reserve Dr. Divya Mudappa, NCBS, Bengaluru |
| 6 | 17:05 – 17:15 hrs | Study on feeding Ecology, Occupancy Index and Conservation threats to the critically endangered <i>Gyps</i> vultures in the Mudumalai Tiger Reserve, Nilgiri North Forest Division and Sathyamangalam Tiger Reserve of Nilgiri Biosphere Reserve Ramakrishnan, B and Samson, A, Department of Zoology and Wildlife Biology, Government Arts College, Udhamandalam |
| 7 | | Conservation issues recognized through three years (2014-2017) bird ringing studies at Point Calimere Wildlife Sanctuary S.Balachandar, Bombay Natural History Society |
| | 17:15 - 17:25 hrs | Chairperson's remarks |

18:30 – 20:00 hrs: Dinner at AIWC

Poster Presentations on 27.10.2017

| S.NO | Title of poster presentation |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Understanding the interaction between wild elephants and people in a human dominated landscape Subhash Gautam, Managing Trustee, The Shola Trust, Gudaur |
| 2 | Sustainable management of forest through ecosystem services of bats and their bio indications on habitat quality in Agasthiyarmalai Biosphere Reserve Juliet Vanitharani, Professor and Head (Ret.) 'Bat Research Laboratory', Zoology Department and Research Centre, Sarah Tucker College (Autonomous) Tirunelveli |
| 3 | Tips for landscape transformation and conservation of Biodiversity with Endemism in Agasthiyarmalai Biosphere Reserve Juliet Vanitharani' Zoology Department and Research Centre, Sarah Tucker College (Autonomous) ,Tirunelveli. |
| 4 | Mapping the spread of <i>Lantana camara</i> in the Mudumalai Tiger Reserve (2014-2015 Shola Trust ,Gudalur |
| 5 | Capacity buildings & law enforcement training in Nilgiri Eastern Ghats Landscape Ravikumar –WWF |
| 6 | Inventory systematic and documentation of the family Annonaceae of southern Western Ghats Dr. G. Rajkumar, JNTBGRI -Kerala Scientist rjktbgr@gmail.com |
| 7 | Bioinventorying of higher marine fungi colonizing decomposing mangrove plant substrata in Muthupet, Tamil Nadu, East coast of India” Dr.V. VenkateswaraSarma and B. Devadatha,Dept. of Biotechnology, Pondicherry University,Kalapet, Pondicherry |
| 8 | Heavy metal flow in the Marine food web of Muthupettai Mangrove Ecosystem ,East coast of Tamilnadu R. Rajaram,Department of Marine Science, Bharathidasan University, Tiruchirappalli – 620 024 |
| 9 | Bryo diversity of Anamalai in the Western Ghats A.E Dulip Daniels, Dept of Botany, Scoot Christian College |
| 10 | Pilot study on beekeeping an eco-friendly sustainable lively hood Improvement and biodiversity conservation in Agasthiyarmali Landscape, Juliet Vanitharani' Zoology Department and Research Centre, Sarah Tucker College (Autonomous), Tirunelveli – 627007 |
| 11 | Discovery of Novel Human Histone deacylase (HDAC) inhibitors from marine sponges for the treatment of cancer A. PazhanimuthuGuide: Prof. P. Perumal,Department of Biotechnology, Periyar University, Salem-636011 |
| 12 | Assessment of Anthropogenic Pressure and Creation of Conservation Awareness among stake holders in Select Wetlands in Tamil Nadu Dr. C. Sivasubramanian., Associate Professor and Head., Dept.of. Environment and Herbal Science, Tamil University, Thanjavur. |
| 13 | Rejuvenation And Restoration Of A Mangrove Plant Species <i>Pemphis Acidula</i> In A Single Selected Island Prone To Coastal Erosion In The Gulf Of Mannar Biosphere Reserve Dr. T. Ramanathan,Centre Of Advanced Study In Marine Biology, Faculty Of Marine Sciences, Annamalai University,Parangipettai 608502,Tamil Nadu, India. |

Tamil Nadu Forest Department
Annual Wildlife Research Meeting
Date: 28 October 2017

**Venue: Advanced Institute for Wildlife Conservation (Research, Training and Education),
Vandalur, Chennai**

| Sl. No. | Time | Title of Presentation | Moderator / Key notes |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1 | 09:30 – 09:50 hrs | Studies on housing & enclosure enrichment in Arignar Anna Zoological Park, Vandalur, Chennai | P.C. Tyagi I.F.S., Principal Chief Conservator of Forest and Chief Wildlife Warden (HoFF) |
| 2 | 09:50 – 10:20 hrs | Key elements of Conservation Education (Setting up of Conservation Education lab) | Dr. Bitapi Sinha, Scientist G, Wildlife Institute of India, Dehradun |
| 3 | 10:20 – 10:50 hrs | Principles of Wildlife Forensics (Setting up of a Wildlife forensic Lab) | Dr. S.P. Goyal, Emeritus Scientist, Wildlife Institute of India |
| 4 | 10:50 - 11:20 hrs | Use of Advanced Technology in Wildlife Research and Management (Setting up of technology lab) | Dr. K. Ramesh, Scientist-E & Dr. K. Sivakumar, Scientist-F, Wildlife Institute of India, Dehradun |
| | 11:20 – 11:40 hrs | PHOTOGRAPH AND TEA SESSION | |
| 5 | 11:40 – 12:00 hrs | Construction and use of Boma | Dr. Sandeep Agarwal and Sunil Kumar Sinha, Madhya Pradesh Forest Department |
| 6 | 12:00 - 12:15 hrs | Mstripes application for Patrolling & Ecological Monitoring | Researcher from Wildlife Institute India |
| 7 | 12:15- 12:30 hrs | Hejje/Sugodu Patrolling & Surveillance software application for monitoring | Researcher from Bengaluru |
| 8 | 12:30- 12:45 hrs | Human - Wildlife conflicts - Critical issues & Strategies | Ajay Desai, Consultant |
| 9 | 12:45 – 13:00 hrs | Use of Technology to prevent wild animal casualties due to Rail traffic | Thiru. Tim Vedanayagam, CEO, Advantech, Coimbatore |
| 10 | 13:00 – 13:15 hrs | Strategy for mitigation of Human -Elephant conflict - critical issues | Th. S. Ramasubramaniam IFS, Conservator of Forests ,Coimbatore |
| | | Lunch | |
| <p>14:30 – 17:00 hrs</p> <p>Parallel sessions to formulate strategy for development of AIWC</p> <p>(1) Conservation Education by Dr. Bitapi Sinha, (2) Wildlife forensics by Dr. S.P. Goyal and (3) Technology lab by Dr. K. Ramesh and Dr K. Sivakumar (4) Monitoring: Patrolling & Surveillance & Ecological monitoring modules-WII Representative</p> | | | |