| Day | Time | | Main Hall | Hall A | Hall B | Hall C | Satish Dhawan |
|---|---|---|---|---|---|---|---|
| 09-Jun | 2.30 pm | Executive Committee Meeting at NCBS Bengaluru | | | | | |
| 10-Jun | 9.00 am – 9.30 am (30 mins) | | Inaugural Session | | | | |
| | 9.30 am – 10.30 am (60 mins) | | **Pavan Sukhdev**<br>Founder and CEO, GIST Impact Switzerland<br>**Nature Impacts & Risks of the Private Sector** | | | | |
| | 10.30 am – 11.00 am | Tea Break | | | | | |
| | 11.00 am – 11.45 am (45 mins) | | **Soumya Swaminathan**<br>Former Chief Scientist WHO<br>**One Planet, One Health: The Biological Foundations of a Sustainable Future** | | | | |
| | 11.45 am – 12.30 pm (45 mins) | | **Teatulohi Matainaho**<br>President, Pacific Academy of Sciences<br>Vice Chancellor, Pacific Adventist University<br>**The Ecological Well-being of Pacific Island Nations** | | | | |
| | 12.30 pm – 1.15 pm (45 mins) | | **Vandana Prasad**<br>Former Director, Birbal Sahani Institute of Paleosciences<br>**Looking at the driving forces and major extinction events through the lens of the past to understand biodiversity evolution, and insights into future conservation** | | | | |
| | 1.15 pm – 2.15 pm | Lunch Break | | | | | |
| | | | **Changing Pastoral socio-ecologies of the 21st century**<br>**Chair: Jayashree Ratnam,** NCBS Bengaluru<br>**Co-chair: Vasant Saberwal,** Centre for Pastoralism New Delhi | | **Marine/Mangrove Conservation**<br>Chair: **Rohan Arthur,**<br>NCF Bengaluru | | |
| | 2.15 pm - 2.40 pm (25 mins) | | **Pablo Manzano**<br>Basque Centre for Climate Change, Ikerbasque Foundation for Science, Spain<br>**Pastoralism as a global herbivory phenomenon: a framework for holistic assessment** | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)**<br>**Ayushi Biswas**<br>Biome Environmental Trust | 2.15 pm – 3.15 pm (60 mins)<br>**Round table: Bulding South South Collaborations**<br>**Convenor: R Arthur**<br>Nature Conservation Foundation, Mysore, India<br>**Participants: Tries Razak**<br>General Organisation for Conservation of Coral Reefs & Turtles in the Red Sea (SHAMS)<br>**Teresa Alcoverro**<br>Centre d'Edtudis Avaçats de Blanes, Spain<br>**B Manikandan**<br>CSIR - National Institute of Oceanography, Goa, India | **IUBS**<br>**General Assembly** | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)**<br>**Karthikeyan Srinivasan**<br>Jungle Lodges & Resorts Ltd. |
| | 2.40 pm - 3.05 pm (25 mins) | | **Rashmi Singh**<br>Department of Liberal Arts, Indian Institute of Technology Hyderabad<br>**Pastoralism and Biodiversity Conservation: Evidence, Insights, and Policy Pathways** | | | | |
| | 3.05 pm - 3.15 pm (10 mins) | | **Sonali**<br>Center for Ecological Sciences, IISc Bengaluru<br>**Precipitation increases the similarity in plant species composition between grazed and ugrazed sites in semi-arid grassland** | | | | |
| | 3.15 pm – 3.45 pm | Coffee/Tea Break | | | | | |
| | 3.45 pm – 4.00 pm (15 mins) | | **Vladimir Zakharov**<br>Centre for Sustainable Development and Environmental Health, Moscow, Russia<br>**Biology and Sustainable Development: Biodiversity, Biosystems Condition, Bioeconomy** | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)**<br>**Karthikeyan Srinivasan**<br>Jungle Lodges & Resorts Ltd. | 3.45 pm – 4.00 pm (15 mins)<br>**Suman Mallick**<br>Wildlife Institute of India, Dehradun<br>**From Crisis to Circularity: Tackling Abandoned Fishing Gears Through a Community Centered Circular Economy Model in India** | **IUBS**<br>**General Assembly** | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)**<br>**Ayushi Biswas**<br>Biome Environmental Trust |
| | 4.00 pm - 4.25 pm (25 mins) | | **Mayank Kohli**<br>National Centre for Biological Sciences (NCBS) Bengaluru<br>**Large herbivores can buffer rangelands against environmental changes** | | 4.00 pm - 4.15 pm (15 mins)<br>**Rupesh K Bhomia**<br>MS Swaminathan Research Foundation (MSSRF)<br>**Advancing Mangorve Science in India: Monitoring Strategies for Climate Resilience and Coastal Sustainability** | | |
| | 4.25 pm - 4.50 pm (25 mins) | | **Aniruddh Sheth**<br>Centre for Pastoralism, New Delhi<br>**Mapping the scale and spread of pastoralism in India** | | 4.15 pm - 4.30 pm (15 mins)<br>**Jyoti Srivastava**<br>Birbal Sahni Institute of Palaeosciences, Lucknow<br>**Community shift and spread of Sonneratia show how mangroves adapt to rising sea levels** | | |
| | 4.50 pm - 5.00 pm (10 mins) | | **Hitesh Gurehaya**<br>Salim Ali Centre for Ornithology and Natural History, Coimbatore<br>**Spatio-temporal Coexistence of Vertebrate Scavengers at Human-mediated Carcass Disposal Sites in the Aravalli Landscape** | | 4.30 pm - 4.45 pm (15 mins)<br>**Krishna Ray**<br>Department of Botany, West Bengal State University<br>**A decade old experiment in Indian Sundarbans - An integrative approach exploiting mangrove community's diversity-governed resilience** | | |
| | 5.00 om - 5.10 pm (10 mins) | | **Vasant Saberwal and Jayashree Ratnam**<br>Centre for Pastoralism New Delhi and National Centre for Biological Sciences (NCBS) Bengaluru<br>**Wrap Up: Closing Remarks and the Way forward** | | 4.45 om - 5.00 pm (15 mins)<br>**Nehru Prabakaran**<br>Wildlife Institute of India, Dehradun<br>AcSIR, New Delhi<br>**Loss and gains in mangrove: A multi-disciplinary long term evaluation of post-tsunami mangrove ecosystem recovery in the Andaman** | | |
| | 5.10 pm - 5.15 pm (5 mins) | | **Film on Pastoralism - 'Desi Oon'** | | 5.00 pm - 5.15 pm (15 mins)<br>**Anirban Guha**<br>IISER Thiruvananthapuram<br>**Bringing ecophysiology to the forefront of India's mangrove conservation and restoration drives** | | |
| | 5.15 pm – 6.15 pm (60 mins) | | Poster Session | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)** | | | **Faculty Development Programme**<br>**(Session by Bengaluru Sustainability Forum)** |
| 11-Jun | | | **One Health**<br>Chair: **Farah Ishtiaq,** Principal Scientist, Tata Institute for Genetics & Society (TIGS) Bengaluru<br>farah.ishtiaq@tigs.res.in<br>Co-chair: **Ravinder Sehgal**, Professor of Biology, SanFrancisco State University, USA | | | | |
| | 9.30 am - 10.00 am (30 mins) | | **Vijay Chandru**<br>Co-founder Strand Life Sciences and CrisprBits Pvt Ltd<br>**TBA** | | | | |
| | 10.00 am - 10.30 am (30 mins) | | **Charles Masembe**<br>School of Biosciences, Zoology, Entomology & Fisheries, Makerere University, Kampala, Uganda<br>**AMR at the livestock-wildlife interface: implications for control and prevention** | | | | |
| | 10.30 am – 11.00 am | Tea Break | | | | | |
| | 11.00 am – 11.30 am (30 mins) | | **Bethan Purse**<br>UK Centre for Ecology and Hydrology, Wallingford, UK<br>**One Health Ecosystems approaches to understanding and mitigating Kyasanur Forest Disease** | | | | |
| | 11.30 am – 11.45 pm (15 mins) | | **Nikku Yadav**<br>Swami Rama Himalayan University, Dehradun, India<br>**AI-Driven One Health Platform for infectious disease surveillance and anti microbial resistance prediction in Northern India** | | | | |
| | 11.45 pm - 12.15 pm (30 mins) | | **Uma Ramakrishnan**<br>National Centre for Biological Sciences (NCBS) Bengaluru<br>**Frameworks for understanding risks associated with zoonotic spillover: models, data and implications** | | | | |
| | 12.15 pm - 12.30 pm (15 mins) | | **Sangeeta Singh**<br>ICMR - National Institute of Malaria Research, Delhi<br>**Incidental detection of nocturnal activity in *Aedes* mosquitoes duriung routine *Anopheles* surveillance in arid Western Rajasthan, India** | | | | |
| | 12.30 pm – 1.00 pm (30 mins) | | **Farah Ishtiaq**<br>Tata Institute for Genetics & Society (TIGS), Bengaluru<br>**Decoding pathogens in environment using genomics in the context of climate change and One Health: Strengths and limitations** | | | | |
| | 1.00 pm - 1.15 pm (15 mins) | | **Souvik Chakraborty**<br>Tata Institute for Genetics & Society (TIGS), Bengaluru<br>**Identifying dengue hotspots in urban Bengaluru** | | | | |
| | 1.15 pm – 2.15 pm | Lunch Break | | | | | |
| | 2.15 pm – 3.15 pm (60 mins) | | **Policy Panel Discussion**<br>**Strengthening Surveillance Systems Through a One Health Lens: Insights from Dengue and Avian Influenza**<br>(Tata Institute for Genetics & Society and BeST Cluster) | **Science Forum Discussion**<br>**(Lily Rodriguez, Veronique Allain, Kofi Akamani)** | | | **Faculty Development Programme**<br>**Rahul Chopra and Sanchit Sant**<br>TROP ICSU &<br>FLAME University, Pune, India |
| | 3.15 pm – 3.45 pm | Tea Break | | | | | |
| | 3.45 pm – 5.15 pm (90 mins) | | **Policy Panel Discussion**<br>**Strengthening Surveillance Systems Through a One Health Lens: Insights from Dengue and Avian Influenza**<br>(Tata Institute for Genetics & Society and BeST Cluster) | **IPCC, CBD, IPBES Discussion**<br>**(Raman Sukumar, Gillian Bowser, Lily Rodriguez, Kofi Akamani)** | | | **Faculty Development Programme**<br>**Rahul Chopra and Sanchit Sant**<br>TROP ICSU &<br>FLAME University, Pune, India |
| | 5.15 pm – 6.15 pm (60 mins) | Poster Session | | | | | **Faculty Development Programme**<br>**Rohini Chintha**<br>Popular Science & Common Tales (Popscicles) |
| 12-Jun | | | **Chemical Ecology in the Anthropocene**<br>Chair: **Renee Borges**, Indian Institute of Science (IISc), Bengaluru | | | | **Precision Agriculture Technologies for Crop Production followed by Crop Protection**<br>Chair: **Jaywant Arakeri**<br>Co-chair: **MS Bobji**<br>Department of Mechnical Engineering, Indian Institute of Science (IISc), Bengaluru |
| | 9.30 am - 9.50 am (20 mins) | | **Samay Pande**<br>Indian Institute of Science (IISc) Bengaluru<br>**Microbial predation as driver of antimicrobial resistance in natural communities** | **Faculty Development Programme**<br>**Krithi Nandimath & Sushama Yermal**<br>Science Education & Outreach Office<br>National Centre for Biological Sciences (NCBS), Bengaluru | | | 9.30 am - 9.45 am (15 mins)<br>**Inauguration** |
| | 9.50 am - 10.10 am (20 mins) | | **Kamala Jayanthi**<br>ICAR - Indian Institute of Horticultural Research, Bengaluru<br>**Plant-insect chemical dialogues: strengthening IPM for sustainable pest management** | | | | 9.45 am - 10.05 am (20 mins)<br>**Sajal Das**<br>Missouri University of Science & Technology, USA<br>**Smart Connected Farms: AI and IoT-based Pest Management in Precision Agriculture** |
| | 10.10 am - 10.30 am (20 mins) | | **Meghna Krishndas**<br>National Centre for Biological Sciences (NCBS), Bengaluru<br>**Plant chemistry reveals signals of specialized herbivory in seedling dynamics during tropical forest regeneration** | | | | 10.05 am - 10.25 am (20 mins)<br>**PV Shivaprasad**<br>National Centre for Biological Sciences (NCBS), Bengaluru<br>**Epigenetic regulation of plant development and stress responses** |
| | | | | | | | 10.25 am - 10.45 am (20 mins)<br>**MS Sheshashayee**<br>University of Agricultural Sciences, Bengaluru<br>**TBA** |
| | 10.30 am – 11.00 am | Tea/Coffee Break | | | | | 10.45 am - 11.00 am (15 mins)<br>Tea/Coffee Break |
| | 11.00 am – 11.20 am (20 mins) | | **Shantanu Shukla**<br>Indian Institute of Science (IISc) Bengaluru<br>**Remodeling of oocyte cells transmits a bacterial nutritional endosymbiont in a scale insect** | **Faculty Development Programme**<br>**Krithi Nandimath & Sushama Yermal**<br>Science Education & Outreach Office<br>National Centre for Biological Sciences (NCBS), Bengaluru | | | 11.00 am - 11.15 am (15 mins)<br>**Lakshminarayana Rao**<br>Centre for Sustainable Technologies, IISc Bengaluru<br>**Plasma-activated water as a sustainable nitrogen source for precision agriculture: Opportunities for decentralized fertilizer production** |
| | 11.20 am – 11.40 pm (20 mins) | | **Markandeya Gorantla**<br>ATGC Biotech, Hyderabad<br>**Industrializing chemical ecology: Scaling mating disruption and semiochemical networks in Indian agriculture** | | | | 11.15 am - 11.30 am (15 mins)<br>**Ajay Pratap**<br>Dept of Computer Science & Engineering, IIT-BHU, Varanasi<br>**FasalRath: Farming automation and sustainable analytics for long-term agriculture resilience and technological harmony** |
| | 11.40 pm – 12.00 pm (20 mins) | | **Dinesh Nagegowda**<br>CSIR - Central Institute of Medicinal & Aromatic Plants, Bengaluru<br>**Decoding plant chemical language: From functional genomics to metabolic engineering** | | | | 11.30 am - 11.45 am (15 mins)<br>**Suyog Mahulkar**<br>Dept. of Mechanical Engineering, IISc Bengaluru<br>**Precision drone spraying using a novel thin film in cross-flow TFCF nozzle** |
| | 12.00 pm - 12.15 pm (15 mins) | | **Rachana Pawar**<br>University of Agricultural Sciences, GKVK Bengaluru<br>**Symbiotic hologenome enrichment by habitat-adapted fungal endophytes exhibits growth promotion and stress resilience** | | | | 11.45 am - 12.00 pm (15 mins)<br>**Chetan Teki**<br>Dept. Mechanical Engineering, IISc Bengaluru<br>**Crystallization-induced alteration of evaporation in inter-particle aqueous salt soultion bridges** |
| | 12.15 pm – 12.30 pm (15 mins) | | **Avirup Chakraborty**<br>Ahmedabad University, Gujarat<br>**Genomic signature of cold adaptation in a Himalayan drosophilid** | | | | 12.00 pm - 12.15 pm (15 mins)<br>**Malvika Chaudhary**<br>Centre for Agriculture and Biosciences International (CABI), New Delhi<br>**Beyond access: Building trust, capacity, and inclusion in AI for women farmers** |
| | 12.30 pm – 12.45 pm (15 mins) | | **Shreya Gangwal**<br>Centre for Ecological Sciences, IISc Bengaluru<br>**How does ecological lifestyle affect parasitoid venom?** | | | | 12.15 pm - 12.30 pm (15 mins)<br>**Wrap-up Crop Production Session** |
| | | | | | | | **Precision Based Strategies for Sustainable Crop Protection**<br>Chair: **SN Sushil** (Director)<br>ICAR - Indian Sugarcane Research Institute (ISR), Lucknow, India<br>Co-chair: **Kesavan Subaharan**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru, India |
| | 12.45 pm - 1.00 pm (15 mins) | | **Anupama Sekhar**<br>IISER Bhopal<br>**Evolutionary and ecological insights from floral scents of Indian and Thai ginger lilies** | | | | 12.30 pm - 12.45 pm (15 mins)<br>**R Srinivasan**<br>Asian Vegetable Research and Development Center, Taiwan<br>**TBA** |
| | 1.00 pm - 1.15 pm (15 mins) | | **Rahul Kumar**<br>Magadh University, Bihar<br>**Assortative mating and chemical divergence in red and black morpho-variants of ant-mimicking spider *Myrmaplata plataleoides*** | | | | 12.45 pm - 1.00 pm (15 mins)<br>**Nishantha Kumara**<br>South Eastern University of Sri Lanka, Oluvil, Sri Lanka<br>**TBA** |
| | 1.15 pm – 2.15 pm | Lunch Break | | | | | 1.00 pm - 2.00 pm<br>Lunch |
| | | | **The Neglected Topical Diseases: India & Africa**<br>Chair: **Kartik Sunagar**<br>Indian Institute of Science (IISc), Bengaluru<br>Co- Chair: **Charles Masembe**<br>Makerere University, College of Natural Sciences, Kampala, Uganda | **Monitoring Past & Present Biodiversity**<br>Chair: **Manzoor A Shah**, Dept of Botany, University of Kashmir, Srinagar 190006, Jammu & Kashmir, India<br>Co-chair: **Robert Pal**, Montana Technological University, USA | | **IUBS**<br>**General Assembly** | 2.00 pm - 2.15 pm (15 mins)<br>**Sevgan Subramanian**<br>International Centre of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya<br>**TBA** |
| | 2.15 pm - 2.45 pm (30 mins) | | **Charles Masembe**<br>Makerere University, College of Natural Sciences, Kampala, Uganda<br>**TBA** | 2.15 pm - 2.45 pm (30 mins)<br>**Rasheed Adeleke**<br>North West University, Potchefstroom, South Africa<br>**TBA** | | | 2.15 pm - 2.30 pm (15 mins)<br>**T Venkatesan**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Next Generation Biocontrol: RNAi approaches against insect pests** |
| | 2.45 pm - 3.15pm (30 mins) | | **Jaideep C Menon**<br>Department of Emergency Medicine, School of Medicine, Kochi, India<br>**Incidence mortality and socioeconomic burden of snakebite in India: findings from the ICMR National Task Force** | 2.45 pm - 3.00 pm (15 mins)<br>**Prateek Khanna**<br>SolFinder Research, Ranchi, Jharkhand<br>**Drone-Based Air Sampling for Biodiversity Monitoring via Environmental DNA**<br>3.00 pm – 3.15 pm (15 mins)<br>**Mansi Mungee**<br>Azim Premji University, Bhopal<br>**Scanning the Skies for Life: Weather Radar as a Tool for Biodiversity Monitoring** | | | 2.30 pm - 3.00 pm (30 mins)<br>**Anandakrishnan Balaraman**<br>FMC<br>**TBA** |
| | 3.15 pm – 3.45 pm | Tea/Coffee Break | | 3.15 pm – 3.30 pm (15 mins)<br>**Abhishek Kumar**<br>Department of Botany, Panjab University<br>**Climate-driven elevational range dynamics of dominant trees in the Western Ghats**<br>3.30 pm – 3.45 pm<br>Tea/Coffee Break | | Tea/Coffee Break | 3.00 pm - 3.12 pm (12 mins)<br>**K Selvaraj**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Drone technology for delivery of biocontrol agents for sustainable pest management** |
| | 3.45 pm – 4.15 pm (30 mins) | | **Kartik Sunagar**<br>Indian Institute of Science, Bengaluru<br>**Evolutionary Ecology of Venoms: Rethinking Snakebite Biology** | 3.45 pm - 4.00 pm (15 mins)<br>**Mahi Bansal**<br>National Centre for Biological Sciences (NCBS) Bengaluru<br>**An integrative phylogenetic framework to reconstruct the pantropical biogeography of Ebenaceae**<br>4.00 pm - 4.15 pm (15 mins)<br>**Ashly Baby**<br>Central University of Kerala<br>**Landscape and plant community drive leaf foraging of leafcutter bees** | | **IUBS**<br>**General Assembly** | 3.12 pm - 3.24 pm (12 mins)<br>**Kolla Sreedevi**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Insect diversity and ecological balance across crop phenology in organic and pesticide treated paddy (*Oryza sativa* L.) ecosystem** |
| | 4.15 pm - 4.30 pm (15 mins) | | **Samuel Itang**<br>Indian Institute of Science, Bengaluru<br>**The Spilled Calabash: Ecological Drivers of Venom Variation and Implications for Snakebite Therapy in Nigeria** | 4.15 pm - 4.30 pm (15 mins)<br>**KT Fahis**<br>MES Mampad College, Calicut, Kerala<br>**How do aquatic invertebrate assemblage vary in the water filled tree holes of evergreen rainforests in the Western Ghats along an elevational gradient?** | | | 3.24 pm - 3.36 pm (12 mins)<br>**Gandhi Gracy**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Exploration of RNAi in Pink mealybug *Maconellicoccus hirsutus:* A sustainable and eco-friendly approach** |
| | 4.30 pm - 4.45 pm (15 mins) | | **Gnaneswar Ch**<br>Madras Crocodile Bank Trust<br>**Mitigating the snakebite crisis in India: a narrative review of efforts by the Madras Crocodile Bank Trust** | 4.30 pm - 4.45 pm (15 mins)<br>**Ramya Bala**<br>National Institute of Advaced Studies (NIAS), Bengaluru<br>**Optimization of sedaDNA metabarcoding approach to investigate biodiversity changes at Mudumalai Wildlife Sanctuary, Southern India**<br>4.45 pm - 5.00 pm (15 mins)<br>**Manish Ravi**<br>IISER Trivandrum<br>**Pollinators in the Anthropocene: Pollinator responses to changing habitat features in wet tropical Indian landscapes** | | | 3.36 pm - 3.48 pm (12 mins)<br>**Sreeramakumar**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Sustainable airport landscapes: biological control and precision agriculture approach at Kempegowda International Airport in Bengaluru, India**<br>3.48 pm - 4.00 pm (12 mins)<br>**Sujithra**<br>ICAR - National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru<br>**Exploitation of host volatiles to enhances stingless bees-mediated pollination in coconut** |
| | 4.45 pm - 5.15 pm (30 mins) | | **Omesh Kumar Bharti**<br>Department of Health & Family Welfare, Government of Himachal Pradesh<br>**Changing WHO rabies PEP guidelines: Journey so far** | 5.00 pm - 5.15 pm (15 mins)<br>**Krishna Mishra**<br>Wildlife Institute of India, Dehradun<br>**MSTrIPES - an Adaptive Management Tool for Conservation** | | | 4.00 pm - 4.15 pm (15 mins)<br>Tea/Coffee Break<br>4.15 pm - 5.15 pm (60 mins)<br>**Panel Discussion** |
| | 5.15 pm – 6.15 pm (60 mins) | Poster Session | | | | | |
| 13-Jun | 9.30 am – onwards | Executive Committee Meeting at CES, IISc Bengaluru | | | | | |