

# NATIONAL CONFERENCE - 'BIOINVASIONS- TRENDS, THREATS AND MANAGEMENT'

ON 03<sup>rd</sup> & 04<sup>th</sup> DECEMBER 2022.

VENUE: KERALA ARTS AND CRAFTS VILLAGE, KOVALAM.

03/12/2022

09.00 AM -10.00 AM : Registration - Main Hall

10.00 AM -11.30 AM : Inaugural Session

Welcome : **Dr. C. George Thomas**  
Chairman, KSBB

Presidential Address : **Dr. V. Venu IAS**  
Additional Chief Secretary, Department of  
Environment, Govt. of Kerala

Inauguration : **Shri. Pinarayi Vijayan**  
Hon'ble Chief Minister, Kerala

Book Release 1. Tradable Bioresources of Kerala and Economic valuation.  
2. Book of Abstracts- National Conference 'Bioinvasions-  
Trends, Threats and Management'

About the programme : **Dr. A.V. Santhoshkumar**  
Member Secretary, KSBB

Presence : **Dr. K. Satheeshkumar**  
Member, KSBB

**Dr. T.S. Swapna**  
Member, KSBB

**Dr. K.T. Chandramohan**  
Member, KSBB

**Shri. Pramod Krishnan IFS**  
Member, KSBB

Vote of thanks : **Shri. K.V. Govindan**  
Member, KSBB

11.30 AM-12.00 PM	Keynote address	Biological Invasion, Global Impacts and Management <b>(online)</b>	<b>Dr. Shiroma Sathyapala</b> Forest Protection Officer FAO of the United Nations Rome. Italy.
12.00 PM-12.30 PM	Plenary Lecture	Fish Invasions in India: Challenges and Containments	<b>Dr. A.K. Singh</b> Former Director ICAR-DCFR and Emeritus Scientist ICAR-National Bureau of Fish Genetic Resources, Lucknow Uttar Pradesh, India
12.30 PM - 12.50 PM	Invited Talk	Progress achieved in implementing Aichi Target 9 and NBAP 4 in India: A review	<b>Dr. S Sandilyan</b> Former Fellow, National Biodiversity Authority (NBA), MOEF &CC.

## Session I - 03.12.2022

### Biological Invasion in Forest Ecosystem

Venue 1: Nilgiris Hall, Kerala Arts and Crafts Village, Kovalam

01.30 PM-01.50 PM	Invasive alien species in Forest ecosystem	<b>Shri. Pramod Krishnan IFS</b> Addl. Principal Chief Conservator of Forests, Kerala Forest Department
01.50 PM-02.10 PM	Impact of Invasive species on wildlife conservation. <b>(online)</b>	<b>Shri. I. Anwardeen IFS</b> Additional Principal Chief Conservator of Forests, Forest department, Tamil Nadu <b>J. Peter Prem Chakravarthi</b> Biologist, Anamalai Tiger Reserve, Coimbatore
02.10 PM-02.30 PM	Invasive species management in Tamil Nadu <b>(online)</b>	<b>Dr. V. Naganathan IFS.</b> Additional Principal Chief Conservator of Forests, Forest department, Tamil Nadu
02.30 PM - 02.50 PM	Fuel Pellets from Lantana in Shiwalik Foothill Area of Punjab <b>(online)</b>	<b>Dr. Jatinder Kaur Arora</b> Member Secretary, Punjab Biodiversity Board-cum- Executive Director, Punjab State Council for Science & Technology, Punjab.
02.50 PM-03.10 PM	Alien. Invasive species threats in Western Ghats	<b>Dr. T.V. Sajeev</b> Chief Scientist, Department of Forest Entomology, Kerala Forest Research Institute, Thrissur.
03.10 PM-03.30 PM	An Earth Observation based approach for assessment, modelling and management of biological invasions - Scope and future	<b>Dr. C. Sudhakar Reddy,</b> Forest biodiversity and Ecology Division, National Remote Sensing Centre, Balanagar, Hyderabad.
03.45 PM-04.05 PM	Invasive alien species with special reference to Mountain Invasions	<b>Dr. Pervaiz Ahmad Dar</b> Assistant Professor, Department of Botany Amar Singh College Srinagar
04.05 PM - 04.25 PM	Lantana management through livelihood support in Tamil Nadu	<b>Dr. Maya Mahajan</b> Associate Professor, Centre for Sustainable Future, Amrita Viswa Vidyapeetham, Coimbatore
04.25 PM - 04.45 PM	Battle Against Black Wattle- A success story in Kerala <b>(online)</b>	<b>Dr. G. Prasad</b> Forest Working Plan Officer, Munnar
04.45 PM - 05.05 PM	Application of technological tools in invasive species research in India <b>(online)</b>	<b>Dr. Robin V.</b> Assistant Professor, Department of Biology Tirupati
05.05 PM - 05.25 PM	Lessons from invasive ant invasions into sacred groves <b>(online)</b>	<b>Dr. Sinu P.A.</b> Assistant Professor, Department of Zoology, Central University of Kerala, Kasaragod
05.25 PM - 05.45 PM	Management of Senna sp in Wayanad WLS	<b>Shri. Vinayan</b> FERNS, Nature Conservation Society, Wayanad

**Group discussion and report preparation**

## Session 2 - 03.12.2022

### Invasive species threat in Marine and Aquatic Ecosystem

Venue 2: Nila Hall, Kerala Arts and Crafts Village, Kovalam

01.30 PM - 01.50 PM	Non-native aquatic biodiversity of India and their Impacts	<b>Dr. Jayachandran K.V.</b> Former Dean, Kerala University of Fisheries and Ocean studies, Kochi
01.50 PM - 02.10 PM	Role of Climate Change in the Spread and Effects of Marine Invasive Alien Species <b>(online)</b>	<b>Dr. Vivekanandan E.</b> Principal Scientist and Head (Retd) Demersal Fisheries Division, Central Marine Fisheries Research Institute, Cochin, Kerala,
02.10 PM - 02.30 PM	Management of exotic African catfish from the Keoladeo National Park, Rajasthan	<b>Shri. Anoop K.R. IFS</b> CCF, Kerala Forest Department
02.30 PM - 02.50 PM	Status of biological invasion in Arabian Coast	<b>Dr. A. Bijukumar</b> Professor and Head, Department of Aquatic Biology, Kerala university
02.50 PM - 03.10 PM	Invasive alien species in Freshwater ecosystem in Kerala	<b>Dr. Basheer V.S.</b> Principal Scientist, National Bureau of Fish Genetic resources, NBFGR, Kochi
03.10 PM - 03.30 PM	Invasive alien marine species - invertebrates	<b>Dr. Laxmilatha P.</b> Principal Scientist & Head-in-Charge Shellfish Fisheries Division ICAR-Central Marine Fisheries Research Institute, Kochi.
03.45 PM - 04.05 PM	Aquarium pet trade and biological invasion	<b>Dr. Rajeev Raghavan</b> Assistant Professor Kerala University of Fisheries and Ocean studies
04.05 PM - 04.25 PM	Invasive Alien plant species in Aquatic ecosystems of Kerala	<b>Dr. T. Sabu</b> Program Director (Retd.), (Natural Resources and Environment Management). Centre for Environment and Development, Trivandrum
04.25 PM - 04.45 PM	Invasive aquatic plants in Kerala and development of value added products from invasive species	<b>Dr. Nagendra Prabhu G.</b> Centre for Research on Aquatic Resources P. G. Department of Zoology & Research Centre S. D. College, University of Kerala, Alleppey, Kerala
04.45 PM - 05.00 PM	Snail free village- a lesson form Muhamma	<b>Adv. Latheesh B. Chandran</b> Member, Muhamma Gramapanchayat Alapuzha

Group discussion and report preparation

## Session 3 - 03.12.2022

### Oral Paper Presentation

#### Invasion in Agriculture and Managed Systems

Venue 3: Nishagandi Hall, Kerala Arts and Crafts Village, Kovalam

1.30 pm - 5.00 pm	Topic	<ul style="list-style-type: none"><li>Invasion in Agriculture and Managed Systems</li></ul>
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## Day 2: 04-12-2022

### Session 4 - 04-12-2022

## Invasion in Agriculture and Managed systems

Venue 1: Nilgiri Hall, Kerala Arts and Crafts Village, Kovalam

09.30 AM - 09.50 AM	Biological invasion and quarantine measures in India. <b>(online)</b>	<b>Dr. Kavitha Gupta</b> , Principal Scientist (Entomology), Division of Plant Quarantine, National Bureau of Plant Genetic Resources, Pusa campus, New Delhi
09.50 AM - 10.10 AM	Genetics of biological invasions	<b>Dr.T.K. Hrideek</b> , MD, Oushadhi, Kerala
10.10 AM - 10.30 AM	Invasive Alien Insect species in India	<b>Dr. Mani Chellapan</b> , Dean, College of Agriculture, Kerala Agriculture University, Vellanikkara, Thrissur
10.45 AM - 11.05 AM	Quarantine measures to control invasive species movement in Kerala	<b>Dr. M. Latha</b> Officer in Charge, National Bureau of Plant Genetic Resources, Thrissur
11.05 AM - 11.25 AM	Plant invasion - a threat to agroecosystems	<b>Dr. Prameela P.</b> Professor and Head, Department of Agronomy, College of Agriculture, KAU, Vellanikkara, Thrissur.
11.25 AM - 11.45 AM	Weeds and weed management in Kerala- Recent trends	<b>Dr. Ameena M.</b> , Professor, Department of Agronomy, College of Agriculture, Vellayani
11.45 AM -12.10 PM	Economic aspect of Invasive species <b>(online)</b>	<b>Prof. M.N.V. Prasad</b> , Department of Plant Sciences , University of Hyderabad, India
12.10 PM - 12.30 PM	Invasive Species in Agroecosystems of India	<b>Dr. P.C. Abhilash</b> Assistant Professor Institute of Environment & Sustainable Development Banaras Hindu University, Varanasi
12.30 PM - 12.50 PM	The Gateways and Strategies of Plant Invasions.	<b>Dr. R. Jaishanker</b> Professor, School of Informatics, Digital University Kerala

**Group discussion and report preparation**

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## Day 2- 04.12.2022

### Session 5 Oral Paper Presentation

Venue 2: Nila Hall, Kerala Arts and Crafts Village, Kovalam

09.30 AM - 02.00 PM	Topic	<ul style="list-style-type: none"><li>• Invasive species threat in Marine and Freshwater Ecosystem</li></ul>
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### Session 6 Oral Paper Presentation

Venue 2: Nishagandi Hall, Kerala Arts and Crafts Village, Kovalam

09.30 AM - 02.00 PM	Topic	<ul style="list-style-type: none"><li>• Biological Invasion in Forest Ecosystem</li></ul>
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### Session 7 Poster Presentation

Main Auditorium, Kerala Arts and Crafts Village, Kovalam

09.30 AM - 01.00 PM	<ul style="list-style-type: none"><li>• Biological Invasion in Forest Ecosystem</li><li>• Invasive species threat in Marine and Freshwater Ecosystem</li><li>• Invasion in Agriculture and Managed Systems</li></ul>
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### Valedictory session

Venue 2: Nila Hall, Kerala Arts and Crafts Village, Kovalam

03.00 PM - 05.00 PM	<ol style="list-style-type: none"><li>1. Status of invasive threat in Forest and action needed</li><li>2. Management of Marine and Inland invasion and way forward</li><li>3. Invasion in Agriculture and Managed systems- Management</li></ol>
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### Best paper and poster award

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National Anthem

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