



PERIYAR UNIVERSITY

NAAC A Grade - State University - NIRF Rank 68

Salem – 636 011, Tamil Nadu, India

BRIEF REPORT



2nd BIO FAIR-2019

National Conference cum Exhibition on

“BIOPROSPECTING INDIA - 2019”

March 07 and 08, 2019



Organised by

Centre for Biodiversity and Forest Studies

in association with

Periyar University Botanical Society (PUBS)

Department of Botany

Periyar University

Salem – 636 011, Tamil Nadu, India

Email : cbfspu@gmail.com | Web : www.periyaruniversity.ac.in

Phone : +91-427-2345766 | Fax : +91-427-23456124

Sponsored By



CSIR



NABARD



TNSCST



TANSCH

WORD OF THANKS



Dr. A. Maruthupandian
Organizing Secretary
BIO FAIR - 2019



Prof. Dr. K. Selvam
Convener
BIOFAIR - 2019

On behalf of the organizing committee, we thank **Prof. Dr. P. Kolandaivel**, Hon'ble Vice Chancellor, **Dr. K. Thangavel**, Registrar & **Dr. R. Balagurunathan**, Professor and Head, Department of Microbiology, Member Syndicate, Periyar University, Salem for their continuous support.

We would like to thank following eminent academicians for their valuable lectures

- ❖ **Dr. S. Murugesan**, Scientist - G & Group Co-ordinator (Research), Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore - 641 002, Tamil Nadu.
- ❖ **Dr. K. Padmakumar**, Professor, Department of Aquatic Biology and Fisheries, University of Kerala, Kerala
- ❖ **Dr. K.Panneer selvam**, Scientist - D, Forest Ecology and Climate Change, Institute of Forest Genetics and Tree Breeding (IFGTB -ICFRE), Forest Campus, Cowley Brown Road, R.S. Puram, Coimbatore - 641002, Tamilnadu.
- ❖ **Dr. G Ravikanth**, Fellow, Suri Sehgal Centre for Biodiversity and Conservation (ATREE) Bangalore, Karnataka
- ❖ **Dr. N. Senthilkumar**, Scientist 'E', Division of Bioprospecting, Institute of Forest Genetics and Tree Breeding (IFGTB -ICFRE), Forest Campus, Cowley Brown Road, R.S. Puram Coimbatore - 641002, Tamilnadu.

We would also like to thank all the members of the organizing committee & all the participants from different institutions across the nation.

Our Sincere Thanks To



CSIR



NABARD



TNSCST



TANSCH

Brief Report of 2nd BIOFAIR - 2019



National Conference cum Exhibition on 'Bioprospecting India – 2019'

March 07 & 08, 2019

Centre for Biodiversity and Forest Studies in association with the Periyar University Botanical Society, Department of Botany, Periyar University, Salem organized two days National Conference cum Exhibition on 'Bioprospecting India' during March 07 and 08, 2019. The Conference has been supported and sponsored by Council of Scientific and Industrial Research (CSIR), National Bank for Agricultural and Rural Development (NABARD), The Tamil Nadu State Council of Higher Education (TANSCHÉ) and Tamil Nadu State Council for Science and Technology (TNSCST).

BACKGROUND

The Centre for Biodiversity and Forest Studies, Periyar University has conducted several programmes in terms of Conferences, Special lectures and Awareness programmes. In 2015, on behalf of Centre for Biodiversity and Forest Studies, we (**Dr.K. Selvam and Dr. A. Maruthupandian**) initiated the title "**BIOFAIR**" and conducted '**Biodiversity Products and Industrial Applications**' (BPIA-2015) in September 28th and 29th, 2015. We received a very extensive response from the scientific arena throughout the country in BIOFAIR-2015. In this continuation 2nd BIOFAIR was organized by in the theme of 'Bioprospecting India' on 07th & 08th March, 2019.

We initiated six months before for BIOFAIR-2019 in a Theme '**Bioprospecting India**' and **Dr. K. Selvam**, Professor and Head, Department of Botany is served as Convener and **Dr. A. Maruthupandian** from Botany served as Organizing Secretary for this event.

We sent more than 300 hard copies of brochure and also communicated more than 1000 e-mails to various leading institutions throughout the country. 87 abstracts were received for **BIOFAIR-2019** and More than 120 participants across from Southern States were participated and shared their views in this conference.





INAUGURATION

The National Conference cum Exhibition on “Bioprospecting India” was inaugurated on March 07th 2019 organized by the Centre for Biodiversity and Forest Studies in association with Periyar University Botanical Society (PUBS), Department of Botany at Periyar University, Salem.

Dr. K. Selvam, Professor and Head, Department of Botany as Convener welcome the gathering. **Dr. A. Maruthupandian**, Assistant Professor, Department of Botany as Organizing Secretary has highlighted the Theme of the Conference.

Prof. Dr. P. Kolandaivel, Vice Chancellor, Periyar University inaugurated the Bio exhibition and delivered a presidential address in this Conference. He highlighted the research is mainly focused to the public oriented and soon Periyar University will be conducted a mega mela for school children to visit the various laboratories in the University premises. And also he was distributed the Prizes and Medals for Bio Quiz winners.



Prof. Dr. P. Kolandaivel
Vice Chancellor



Prof. Dr. K. Selvam
Convener
BIOFAIR - 2019



Dr. A. Maruthupandian
Organizing Secretary
BIO FAIR - 2019

Dr. S. Murugesan, Scientist G from Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore delivered Inaugural address. He insisted the researchers should identify and concentrate the local problems and solve with suitable solutions in a skill based manner. The application of innovative methods applied for these problems will benefit the society as well as the nation. Further, he mentioned the researches are more oriented on innovation, incubation and infusion manner. During the utilization of modern electronic gadgets to share the messages in a short form, we lost already 26,000 sentences. Nearly 80% of the Indians biodiversity are surrounding the various pollutants including heavy metals. Soil biodiversity is a fundamental resources and more than 90% of the food resources were obtained from the soil biodiversity resources. Nowadays, soils are highly contaminated with heavy metals like Pb even in all the food materials including Pb content in noodles. Hence, we are in a position to utilize all our biodiversity resources in a sustainable manner with equitable sharing.

Dr. S. Lalitha, Assistant Professor, Department of Botany has proposed vote of thanks for this gathering.



Dr. S. Murugesan
Chief Guest



Dr. S. Lalitha
Organizing Committee Member, BIOFAIR - 2019



BIODIVERSITY PRODUCTS EXHIBITION & MODELS

We have been arranged Biodiversity Products Exhibition in Part of this event. There are different varieties of natural products including textiles, herbal products were displayed and sell on that two days. Then displayed the models and Drawings regarding Biodiversity Conservation which made by students from Schools and Colleges. The Best models and drawings were appreciated and prized.



BIOQUIZ

BIOQUIZ is another important part of this conference. The main objectives of this Quiz competition are to create awareness about present status of Global Biodiversity and Environment for students and future generation. Bioquiz program were conducted for School and Inter-departments of Periyar University. The winners were appreciated with special medals, memento and certificates.





Dr. K. Padmakumar
University of Kerala



Dr. K. Panneer selvam
Institute of Forest Genetics and Tree Breeding



Dr. G. Ravikanth
ATREE, Bangalore



Dr. N. Senthilkumar
Institute of Forest Genetics and Tree Breeding

TECHNICAL SESSIONS

This conference has provided a platform for researchers and academicians to share and exchange their ideas on various aspects in the fields such as Access and Benefit Sharing, Biodiversity and Climate Change, Biodiversity and Human health, Biodiversity and Livelihood, Biodiversity Conservation and Sustainable Management, Biodiversity Policies and Legal issues, Biological control and Crop Health, Bionic prospecting, Biosafety and Biopiracy, Chemical prospecting, Contemporary Environmental Issues, Ecological Restoration, Economics of Biodiversity, Ecosystem Services and Ecotourism, Environmental and Social Impact Assessment, Gene prospecting, Intellectual Property Rights and Geological Indication, Marine bioprospecting and Organic farming and Biofertilizer. The conference had four technical sessions spread over two days with expert's key note addresses and interactive discussions. The experts and the resource persons were invited who have sound knowledge in the fields of Bioprospecting of Marine organisms, Bioprospecting of Natural Products, Conservation of Genetic Medicinal plants and Bioprospecting of Renewable Forest Resources has addressed with their key note addresses to the academicians and researchers during the sessions.

VALEDICTORY FUNCTION

The Valediction of BIOFAIR- 2019 was held on March 08th 2019 at Seminar Hall, Old Science Block, Periyar University, Salem. **Dr. K. Selvam**, Professor and Head, Department of Botany, Periyar University welcomes the gathering. **Dr. S. Murugesan**, Assistant Professor, Department of Botany, Periyar University briefly describes the Report of BIOFAIR-2019.

Prof. R. Balagurunathan, Professor and Head, Department of Microbiology, Member Syndicate, Periyar University delivered a valedictory address and he highlighted the importance of Bioprospecting and their present, past and future issues. Dr. R. Balagurunathan was distributed the Certificates and Awards for the best oral and poster presentation winners as well as BIOQUIZ and present best Models winners.

Dr. A. Maruthupandian, Organizing Secretary of BIOFAIR-2019 proposed vote of thanks.



Prof. R. Balagurunathan
Chief Guest



Dr. S. Murugesan
Organizing Committee Member, BIOFAIR - 2019



PHOTO GALLERY



Bio Exhibition Models were evaluated by
Prof. P. Thiruchenthil Nathan and **Dr. A. Nareshkumar**
from Department of Zoology, Periyar University, Salem

PHOTO GALLERY



Participant's Interaction during Presentation

PHOTO GALLERY



Participant's Feed Back



A View of Audience during Inauguration

PHOTO GALLERY



Prize Distribution for Winners in Valedictory Function

PHOTO GALLERY



Mrs. A. Bhama Buvaneshwari
District Development Officer From NABARD, Salem
Visited during the Conference

ORAL / POSTER PRESENTATION



விவசாயிகள், பொதுமக்களை உள்ளடக்கிய ஆராய்ச்சியே வெற்றி பெறும்

ஓமலூர், மார்ச் 7: விவசாயிகள், பொதுமக்களை உள்ளடக்கி அவர்களின் பிரச்சனைகளை முழுமையாகத் தெரிந்து கொண்டு அதற்கான தீர்வு காண நடைபெறும் ஆராய்ச்சிகளே முழுமையான வெற்றி பெறும் என்று கோவை வன மரபியல் ஆய்வு மைய விஞ்ஞானி எஸ். முருகேசன் தெரிவித்தார்.

பெரியார் பல்கலைக்கழக உயிர் விரிம வளம் மற்றும் வன ஆய்வு மையம், தாவரவியல் துறை ஆகியவற்றின் இணைத்து, உயிரியல்வளத்தில் இந்தியாவின் பங்கு என்ற தலைப்பில் இஞ்ஞானர் தேசிய அளவிலான கருத்தரங்கம் நடத்துகின்றன. கருத்தரங்கில் தொடக்க விழா விசேஷம் கிழமை நடைபெற்றது. விழாவுக்கு தலைமை வகித்துப் பேசிய துணை வேந்தர் பொருத்தந்தைவேல், பெரியார் பல்கலைக்கழகத்தில் நடைபெற்றுவரும் துறை வாரியான ஆய்வுகளை பன்னி மாணவ-மாணவிகள், பொதுமக்கள் தெரிந்து கொள்ளும் வகையில் ஆண்டுதொறும் மூன்று நாட்கள் பொதுமக்கள் பார்வையிடத் தேவையான நடவடிக்கை எடுக்கப்படும் என்றார்.

தேசியக் கருத்தரங்கில் கோவை வன மரபியல் ஆய்வு மைய விஞ்ஞானி எஸ்.முருகேசன் தொடக்க உரையாற்றினார். அப்போது அவர் கூறியது: மின்னணு சாதனங்களின் அந்த பயன்பாடுகள் காரணமாக சுமார் 26 ஆயிரம் வார்த்தைகள் நம்முடைய பயன்பாட்டிலிருந்து



வினாடி-வினா போட்டியில் வெற்றி பெற்ற பன்னி மாணவ-மாணவியருக்கு பரிசு, சான்றிதழ் வழங்கியிருக்கிற துணைவேந்தர் பொருத்தந்தைவேல்.

ஈரொழுத்தாக உருமாறி விட்டன. இதைப் போன்றதொரு சவாலை தற்போது வேளாண் உயிர் விரிம மண்டலம் எதிர்கொண்டு வருகிறது. விவசாய நிலங்கள் பரப்பளவு குறைந்து கொண்டே வருவதுடன், தண்ணீர் வளமும் குறைந்து கொண்டே வருகிறது. இதற்கான தீர்விலைக் காண இளம் ஆராய்ச்சியாளர்கள் வரிய ஆய்வுகளை இப்போதே முன்னெடுக்க வேண்டும். எந்த ஒரு பிரச்சனையும், பொதுமக்களையும் குறிப்பாக விவசாயிகளையும் உடனடியாக லாதிக்க வைக்கிறது. எனவே எந்த ஒரு ஆய்வு மேற்கொண்டாலும், விவசாயிகளை

மையல் ஆய்வுகளை மேற்கொள்ள வேண்டும். இதன் மூலம் அறிவியல் ஆராய்ச்சியின் பயன் நேரடியாக பொதுமக்களைச் சென்றடையும் என்றார் அவர்.

இந்நிகழ்ச்சியில் தாவரவியல் துறைத் தலைவர் கே.செல்வம் வரவேற்றார். கருத்தரங்க செயலாளர் உதயிப் பேராசிரியர் ஏ.மருது பான்டியன் நன்றி கூறினார். கருத்தரங்கில் கோவை பல்கலைக்கழகப் பேராசிரியர் பத்மகுமார் தாவரவியல் ஆய்வுப் பேராசிரியர்கள் ரவிசாந்த் பன்னி செல்வம், என்.செந்தில்குமார் ஆகியோர் சிறப்புற யாற்றினர்.

Sponsored By



CSIR



NABARD



TNSCST



TANSCH

PERIYAR UNIVERSITY
National Conference cum Exhibition on
"BIOPROSPECTING INDIA - 2019"
Organized by
Centre for Biodiversity and Forest Studies
Periyar University Botanical Society (PUBS)
Department of Botany
March 07 and 08, 2019
Venue: Seminar Hall, Old Science Block, Periyar University