



7th NABS-National Seminar

Theme
Biodiversity Conservation-
Status, Future and Way Forward

Series No. 7

General Particulars

Date : 19 & 20 July, 2014
Venue : KS Rangasamy College of Technology,
Tiruchengode, TN

The Seventh NABS-National Seminar was organized in collaboration with KS Rangasamy College of Technology, Tiruchengode, Tamil Nadu for two days from 19 to 20 July 2014 with the theme, “*Biodiversity Conservation – Status , Future and Way Forward*”.

Coordinator : Dr. P. Ponmurugan
Associate Professor & Coordinator, 7th
NABS-National Semina, KSRCT,
Tiruchengode, Tamil Nadu

Organizing Secretary : Dr. S. Anitha
Assistant Professor & Organizing
Secretary, NABS-National Seminar,
KSRCT, Tiruchengode, Tamil Nadu

Inaugural function

Presided over by : Dr. V. A. Parthasarathy
President, National Academy of Biological
Sciences

Chief Guest who delivered inaugural
address : Dr. H. Devaraj
Vice-Chairman, UGC, New Delhi

Guest of Honor who released the
Proceedings of National Seminar-2014
& delivered Keynote address : Dr. R. R. Hanchinal
Chairperson, Protection of Plant Varieties
& Farmers’ Rights Authority, GoI, New
Delhi

Release of NABS News Letter-Vol. 5 (2),
2014 & Felicitations : Dr. K. Muthuchelian
Former Vice-Chancellor, Periyar
University, Tamil Nadu

Conferring Life Time Achievement : Dr. Kirti Singh

Award on Dr. R. R. Hanchinal & felicitation	Chairperson, World Noni Research Foundation & President, International Society for Noni Science, Chennai
Conferring 'Prof. S. Kannaiyan Memorial Award' on Prof. P. I. Peter & felicitation	: Lion K. S. Rangasamy Chairman & Founder KS Rangasamy College of Technology, Tiruchengode, Tamil Nadu
Prof. S. Kannaiyan Memorial Oration	: Prof. P. I. Peter Chairman, Noni Biotech, Chennai
Topic	: Wellness and <i>Morinda citrifolia</i> L.

Valedictory function

Presided over by	: Dr. V. A. Parthasarathy President, National Academy of Biological Sciences
Presentation of Proceedings of 7 th NABS-National Seminar	: Dr. S. Anitha Assistant Professor & Organizing Secretary, NABS-National Seminar, KSRCT, Tiruchengode, Tamil Nadu
Felicitation	: Dr. K. Thyagarajah Principal, K.S.Rangasamy College of Technology, Tiruchengode
Presentation of Best Oral & Poster Presentation Awards & Valedictory Address by Chief Guest	: Prof. Dr. K. Ramasamy Vice-Chancellor Tamil Nadu Agricultural University Coimbatore

The deliberations of NABS-National Seminar on “*Conservation – Status , Future and Way Forward*” were made in four technical sessions *viz.*, (i). Biodiversity hot spots and conservation: Indian legislations, policies, directions and custodians of conservation, (ii). Biodiversity of Natural Resources-Floral and Faunal Diversity, (iii). Biodiversity of Natural Resources-Microbial diversity and (iv). Biotechnological Tools for Analysis and Conservation of Biodiversity. Each technical session was preceded by lead paper(s).

Technical Session- I : Biodiversity hot spots and conservation: Indian legislations, policies, directions and custodians of conservation

Chairman	: Dr. Kirti Singh Chairperson, WNRF, Chennai
Co-Chairman	: Dr. Brahma Singh Member, RAB, WNRF, Chennai
Convener	: Dr. N. Thajuddin Professor, BDU, Tiruchirappalli

Lead Paper	:	Indian Legislation on Plant Varieties Protection and Conservation of Plant Genetic Resources
Presented by	:	Prof. R. R. Hanchinal, Chairperson, PPV & FRA, GoI, New Delhi
Number of Oral Presentations made	:	3

Technical Session-II : Biodiversity of Natural Resources-Floral and Faunal Diversity

Chairman	:	Dr. M. Subramanian Former Director of Research, TNAU, Coimbatore
Co-Chairman	:	Dr. Prabhavathy Mathivanan, M.S. Swaminathan Research Foundation, Chennai
Convener	:	Dr. Puniethaa Prabhu K.SRCT, Tiruchengode.
Lead Paper-1	:	Plant diversity and its conservation in cold desert of India
Presented by	:	Dr. Brahma Singh Member, RAB, WNRF, Chennai
Lead Paper-2	:	Landraces of rice (<i>Oryzasativa</i> L) in Tamil Nadu, their conservation and utilization
Presented by	:	Dr. M. Subramanian Former Director of Research, TNAU, Coimbatore
Lead Paper-3	:	Diversity and distribution of lichens in India <i>vis a vis</i> its lichenogeographic regions
Presented by	:	Dr. Sanjeeva Nayaka Lichenology Laboratory, CSIR-National Botanical Research Institute, Lucknow
Number of Oral Presentations made	:	8

Technical Session-III : Biodiversity of Natural Resources-Microbial diversity

Chairmen	:	Dr. D. J. Bagyaraj Chairman, Centre for Natural Biological Resources and Community Development (CNBRCD), Bangalore & Dr. M. Anandaraj Director, IISR, Calicut, Kerala
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Co-Chairman	:	Dr. N. Mathivanan Professor, Centre for Advanced Studies in Botany, University of Madras, Maraimalai Campus, Guindy, Chennai.
Convener	:	Dr. B. Bagyalakshmi Department of Biotechnology, KSRCT, Tiruchengode, TN.
Lead Paper-1	:	Soil Biodiversity – Status and Recent Advances
Presented by	:	Dr. D. J. Bagyaraj Chairman, CNBRCD, Bangalore.
Lead Paper-2	:	Diversity of anti-microbial peptides of Bacillus spp. and their role in plant disease management
Presented by	:	S. Nakkeeran Professor (Plant Pathology), Tamil Nadu Agricultural University, Coimbatore
Lead Paper-3	:	Phylogenetic diversity of Nitrogen Fixing Bacteria harbouring nifH gene associated with Mangrove Rhizospheres of Pichavaram
Presented by	:	V. R. K. Prabavathy MS Swaminathan Research Foundation, Chennai
Number of Oral Presentations made	:	6

Technical Session IV: Biotechnological Tools for Analysis and Conservation of Biodiversity

Chairman	:	Dr. P. S. Naik Director, IIVR, Varanasi
Co-Chairmen	:	Dr. Chella Suresh Department of biochemistry National Institute of Nutrition, ICMR, Hyderabad
		Dr. Sanjeeva Nayaka CSIR-National Botanical Research Institute, Lucknow
Convener	:	Dr. K. Poongothai Department of Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode, TN
Lead Paper-1	:	Molecular markers – An aid to Plant Biodiversity Management

Presented by	:	C. Aswath, V.A. Parthasarathy and Lakshman Reddy, ICAR-IISR, Calicut, Kerala
Lead Paper-2	:	Conservation of Plant Genetic Resources: Role of Biotechnology
Presented by	:	Dr. A. K. A. Mandal School of Bio Sciences and Technology VIT University, Vellore, TN
Number of Oral Presentations made	:	7

Poster Presentations

Separate session on Posters was also organized and many students and young biologists participated in the Poster Session. The Best oral / Poster presentations were awarded.

Best Oral Presentation Awards

Technical Session II: Biodiversity of Natural Resources-Floral and Faunal Diversity

Survey and distribution of lichens on Yercaud hills (Eastern Ghats)-
G. Ayyappadasan, P. Ponmurugan, Sanjeeva Nayaka and Rama Sanker Verma

Technical Session III: Biodiversity of Natural Resources-Microbial Diversity

Diversity and functionality of halotolerant actinomycetes isolated from Kelambakkam saltpan, Tamil Nadu, India-
G. Abirami, C. Ramprasath and N. Mathivanan

Technical Session IV: Biotechnological Tools for Analysis and Conservation of Biodiversity

Genetic diversity studies in certain indigenous mango varieties-
M. R. Dinesh, K.V. Ravishankar, P. Nischita, and B. S. Sandya

K.S.R Educational award

Application of biotechnology tools on biodiversity conservation of Black Pepper (*Piper nigrum* L.) in Southern India-
Brahma Naidu Parim, S. Ramgopalrao Ganapathy Saravanan, Balaji Meiga

Best Poster Presentations

Technical Session-II: Biodiversity of Natural Resources-Floral and Faunal Diversity

Characterization, adaptation and utilization of beneficial insect biodiversity:
Trichogramma strains R&D in biocontrol of crop pests-
*S. Sithanantham, S. Judy, K. R. Manikandan, C.Thamaraichelvi, R. Pandiyan,
Jeyaraj Nelson and K.P.Sanjayan*

Technical Session-III: Biodiversity of Natural Resources-Microbial Diversity

Bioactive potential of Actinomycetes isolated from a dark cave-
*R. Balaji, S. Aroumougame, D. Ramkumar, Vasanthakumari Neela and N.
Mathivanan*

Technical Session-IV: Biotechnological Tools for Analysis and Conservation of Biodiversity

In vitro seed germination of *Cymbidium aloifolium* (L.) Sw., a potential medicinal orchid from Eastern Ghats of Tamil Nadu for biodiversity conservation-
M. Gopinath, J. Philip Robinson and P. Saravanakumar