



6th NABS-National Seminar

Theme
Microbes and Human Welfare

Series No. 6

General Particulars

Date : 20 & 21 July, 2013
Venue : Bharathidasan University, Tiruchirappalli,
Tamil Nadu

The sixth national seminar is very unique in the sense that it was organized at National level for the first time in collaboration with Department of Microbiology, Bharathidasan University, Tiruchirappalli for two days at University Campus from 20 to 21 July 2013 with the theme “*Microbes and Human Welfare*”.

Organizing Secretary : Dr. N. Thanjuddin
Professor of Microbiology
Department of Microbiology,
Bharathidasan University
Tiruchirappalli

Coordinator : Dr. G. Muralidharan
Department of Microbiology
Bharathidasan University
Tiruchirappalli

Inaugural function

Presided over by : Dr. V. A. Parthasarathy
President, NABS

Chief Guest : Prof. E. Ram Ganesh
Registrar i/c, Bharathidasan University,
Tiruchirappalli

Key Note address &
Release of Abstract book of the
National Seminar : Dr. K. Ramasamy
Vice Chancellor, TNAU, Coimbatore

Received the copy of the Abstract
book of the National Seminar : Dr. K. V. Peter
Formerly Vice Chancellor, KAU &
Member of National Advisory
Committee of the seminar

Release of NABS News Letter & a book on 'Biotechnology in Horticulture: Methods and Application' edited by Dr. KV Peter	:	Dr. P. Gunasekaran Vice Chancellor, Thiruvalluvar University, Vellore, TN & Member of National Advisory Committee of the seminar
Received the copy of the book released	:	Dr. D.P. Ray Former Vice Chancellor, Orissa University of Agriculture & Technology, Orissa & Member of National Advisory Committee of the seminar
Conferring "Prof. S. Kannaiyan Memorial Award on Dr. Kirti Singh	:	Dr. K. Muthuchelian Vice Chancellor, Periyar University, Salem, TN
Prof. S. Kannaiyan Memorial Oration	:	Dr. Kirti Singh Chairperson, World Noni Research Foundation & President, International Society for Noni Science
Topic	:	Noni (<i>Morinda citrifolia</i> L.)- A Treasure for Wellness

Valedictory function

Presided over by	:	Dr. V. A. Parthasarathy President, NABS
Chief Guest	:	Prof. G. Subramanian Founder Director, National Facility for Marine Cyanobacteria & Former Head, Department of Microbiology. BDU, Tiruchirappalli
Presentation of proceedings & recommendations	:	Dr. N. Thajuddin Organizing Secretary, National Seminar

The deliberations of NABS-National Seminar on 'Microbes and Human Welfare' were made in four technical sessions *viz.*, Microbes in Agriculture and Forestry, Microbes in Human and Animal Health, Microbes in Biotechnological Innovations and Diversity and Conservation of Microbes. Each technical session was preceded by lead papers.

Technical Session I: Microbes in Agriculture and Forestry

Chairman	:	Dr. D. J. Bagyaraj
Co-Chairman	:	Dr. M. Anandaraj
Convener	:	Dr. Syed Jahangir

Lead Paper	:	<i>Diversity, functional traits and application of PGPR in plantation crops</i>
Presented by	:	Dr. George Thomas
Number of Oral Presentations	:	7
Number of Poster Presentations	:	6

Technical Session II: Microbes in Human and Animal Health

Chairman	:	Dr. Renu Agrawal
Co-Chairman	:	Dr. R. Thirumurugan
Convener	:	Dr. M. Manickavasagam
Lead Paper-1	:	<i>HIV-integrase/Lense Epithelial Derived Growth Factor inhibitor (LEDGF)- As novel therapeutic agent for treatment of HIV/AIDS</i>
Presented by	:	Dr. P. Selvam
Lead Paper-2	:	<i>'The role of probiotics in improving human health'</i>
Presented by	:	Dr. Renu Agrawal
Number of Oral Presentations	:	3
Number of Poster Presentations	:	4

Technical Session III: Microbes in Biotechnological Innovations

Chairman	:	Dr. M. Vivekanandan
Co-Chairman	:	Dr. P. Selvam
Convener	:	Dr. R. Vijayakumar
Lead Paper	:	<i>'Biotechnological approached for management of fungal diseases of crop plants'</i>
Presented by	:	Dr. P. Chowdappa
Number of Oral Presentations made	:	7
Number of Poster Presentations made	:	4

Technical Session IV: Diversity and Conservation of Microbes

Chairman	:	Dr. M.V. Rao
Co-Chairman	:	Dr. D. Dhanasekaran
Convener	:	Dr. T. Senthilkumar
Lead Paper	:	<i>'Mycorrhizal diversity and conservation of microorganisms'</i>

Presented by	:	Dr. D. J. Bagyaraj
Number of Oral Presentations made	:	3
Number of Poster Presentations made	:	4

Poster Presentations

Separate session on Posters was also organized and many students and young biologists participated in the Poster Session. In all seventeen posters were presented in four technical sessions. The Best oral / Poster presentations were awarded.

Best Oral Presentation Awards

Author	Title of the paper presented
Technical Session I: Microbes in Agriculture and Forestry	
B. Meena	Exploitation of biocontrol agents for the management of root rot of medicinal <i>Coleus</i> - <i>B. Meena, SA. Ramyabharathi and R. M. Vijayakumar</i>
Technical Session II: Microbes in Human and Animal Health	
S. Latha	Investigation of acid and bile tolerance of resident actinobacteria of chicken by growth and survival- <i>S. Latha, D. John Dickson Calvin and D. Dhanasekaran</i>

Technical Session III: Microbes in Biotechnological Innovations

F. Lewis-Oscar	Outdoor semi-continuous cultivation of <i>Chlorella</i> sp. BUM 11008 for biodiesel production- <i>R. Praveenkumar, F. Lewis-Oscar and N. Thajuddin</i>
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Technical Session IV: Diversity and Conservation of Microbes

N. Reehana	Biodiversity of microalgae in the Puliyanthangal lake of Ranipet of Tamil Nadu, India- <i>N. Reehana, A. Suresh, A. Parveez Ahamed and N. Thajuddin</i>
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Best Poster Presentation Awards

Technical Session I: Microbes in Agriculture and Forestry

SA. Ramyabharathi	<i>Bacillus subtilis</i> EPCO16: A potential microbial agent against <i>Fusarium</i> wilt of Tomato- <i>SA. Ramyabharathi, B. Meena and T. Raguchander</i>
P. Priya Dharsini	Allelopathic properties of herbicidal compound from actinobacteria- <i>P. Priya Dharsini and D. Dhanasekaran</i>

Technical Session II: Microbes in Human and Animal Health

K. Subha Primary isolation of *Helicobacter pylori* from human saliva and its antibacterial activity of salt pan fungi- *K. Subha, K. Kanimozhi and A. Panneerselvam*

Technical Session III: Microbes in Biotechnological Innovations

R. Vijaya Abinaya Biosynthesis, characterization and evaluation of antimicrobial efficacy of silver nanoparticles using cyanobacterial extract- *R. Vijaya Abinaya, N. Prasanna Balaji, Sathish Kumar and G. Muralitharan*

Technical Session IV: Diversity and Conservation of Microbes

S. Deepa Biodiversity of actinobacteria isolated from mangroves of Vellappalam, Nagapattinam district of Tamil Nadu- *S. Deepa, K. Kanimozhi and A. Panneerselvam*