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Silver Jubilee

INTERNATIONAL CONFERENCE

ON

**BIOTECHNOLOGICAL SOLUTIONS FOR ENVIRONMENTAL
SUSTAINABILITY**

Icon BSES

October 21 – 23, 2009

PROGRAMME SCHEDULE

Organised by

School of Bio Sciences and Technology

VIT University

Vellore – 632 014

INDIA

VIT - A place to learn; A chance to grow

21.10.2009

0900-1000	Registration – Main Building Reception hall		
1000-1100	Inaugural Session - Dr. Channa Reddy Auditorium		
1100-1130	TEA BREAK (TT Foyer)		
SCIENTIFIC SESSIONS - Dr. Ambedkar Auditorium			
SESSION 1- BIOREMEDIATION	Chairperson	Dr. M. Thangaraju , Dept. of Agricultural Microbiology, TNAU, Coimbatore	
	Rapporteur	Dr. R. Seenivasan , SBST, VIT University, Vellore.	
	1130-1200	KN	Dr. Arthur Ruf , Swiss Academy of Engineering Sciences, Switzerland Title : Resources productivity: challenge for the future
	1200-1220	GL 1	Dr. Debabrata Das , Department of Biotechnology, IIT Kharagpur Title : Bioremediation – A strategy to reduce the environmental pollution
	1220-1240	GL 2	Dr. V. D. Veeranki , Dept. of Biotechnology, IIT Guwahati Title : Potential application of Alkaline protease in sludge disposal
	1240-1300	GL 3	Dr. Rupinder Tewari , Dept. of Biotechnology, Punjab University, Chandigarh Title : Stimulatory effect of phosphate solubilizing microbes on medicinal crops (Stevia & Aloe) and food crop (Chick pea)
	1300-1320	GL 4	Dr. Nilanjana Mitra Das , SBST, VIT University, Vellore Title : Bioremediation of heavy metals using mushrooms - Recent advances and future prospects
1320-1430	LUNCH (Foodys)		
SESSION 2- BIORESOURCES AND ENERGY	Chairperson	Dr. T. Balasubramanian , CAS in Marine Biology, Annamalai University, Parangipettai.	
	Rapporteur	Dr. B. Muthuvelan , SBST, VIT University, Vellore	
	1430-1500	KN 1	Dr. Rolf Huegeli , Swiss Academy of Engineering Sciences, Switzerland. Title : Biofuels: The view of the Swiss Academy of Engineering Sciences
	1500-1530	KN 2	Dr. Armindo J. Salvador , Molecular Systems Biology Group, Centre for Neuroscience and Cell Biology, University of Coimbra, Portugal. Title : Design principles of metabolic networks
	1530-1550	GL 1	Dr. P. Gautam , Dept. of Bioinformatics, Anna University, Chennai Title : Studies on anaerobic processes
	1550-1610	GL 2	Dr. P. Venkatachalam , Department of Bio Energy, TNAU, Coimbatore Title : Potentials of bioresources for energy generation
	1610-1630	GL 3	Dr. G. Sekaran , Environmental Technology Division, CLRI, Chennai. Title : Evaluation of electro catalytic oxidation process to degrade refractory organic compounds
1630-1645	GL 4	Dr. V. Thankamani , SBST, VIT University, Vellore. Title : Performance of a field scale anaerobic bioreactor for lignocellulosic biomass codigestion with kitchen refuse to biogas and biofertilizers	
1645-1700	Tea break (TT foyer)		

SESSION 3- ECO-FRIENDLY AGRICULTURE	Chairperson		Dr. Ajay Parida , M. S. Swaminathan Research, Foundation, Chennai
	Rapporteur		Dr. G. Kalaichelvan , SBST, VIT University, Vellore
	1700 - 1730	KN 1	Dr. Bernhard Huchzermeyer , Institute for Botany, Leibniz Universität, Hannover, Germany Title : Biochemical basis of crop yield prediction
	1730 - 1800	GL 1	Dr. Ajay Parida , M. S. Swaminathan Research Foundation, Chennai
	1800 - 1830	GL 2	Dr. M. Thangaraju , Dept. of Agricultural Microbiology, TNAU, Coimbatore Title : Microbial inoculants for sustainable agriculture
	1830-1900	GL 3	Dr. V. Sendhilvel , SBST, VIT University, Vellore Title : Exploration of plant defense genes and its mechanism against biotic stress to reduce pesticide spray
2000-2100	Dinner (Foodys)		

22.10.2009

SCIENTIFIC SESSIONS - Dr. Ambedkar Auditorium			
SESSION4- ENVIRONMENTAL ENGINEERING AND PUBLIC HEALTH	Chairperson		Dr. S. Narayanan , SMBS, VIT University, Vellore
	Rapporteur		Dr. Kavitha Thirumurugan , SBST, VIT University, Vellore
	0900 - 0930	KN	Dr. -Ing. Dirk Weichgrebe , Leibniz Universität, Hannover, Germany Title : DAUMEN-Energy new alternative and sustainable solution for biogas production based on rumen
	0930-0950	GL 1	Dr. Hemant J. Purohit , Environmental Genomics Unit, National Environmental Engineering Research Institute, (CSIR), Nagpur Title : Metagenome: An unexplored wealth
	0950 - 1010	GL 2	Dr. Shasi Bala Singh , Defence Research & Development Organisation, Leh Title : Low cost sustainable biotechnological solutions for the high altitudes of Ladakh
	1010 - 1030	GL 3	Dipl.-Ing. Sebastian Meier , Leibniz Universität, Hannover, Germany Title : Advanced interpretation of Anaerobic Batch-Tests (ABT) - Conclusions for their practical use
	1030-1045	GL 4	Dr. Asit Ranjan Ghosh , SBST, VIT University, Vellore Title : Cholera visits Nicobar islands- a molecular insight into the first epidemic
1045-1100	Tea break (TT foyer)		
SESSION 5- ENVIRONMENTAL GENETICS	Chairperson		Dr. K. M. Marimuthu , University of Madras, Chennai
	Rapporteur		Dr. P. K. Suresh , SBST, VIT University, Vellore
	1100-1130	KN 1	Dr. Ken McElreavey , Human Developmental Genetics, Institute of Pasteur, France Title : Environment and reproductive health: should we be concerned
	1130-1200	KN 2	Dr. Jordi Surralles , Department of Genetics and Microbiology, Universitat Autònoma de Barcelona, Spain Title : Innovative biotechnology for human health: lessons from the model disease Fanconi anemia
	1200-1230	GL 1	Dr. P.P. Reddy , Institute of Genetics & Hospital for Genetic Disease, Osmania University, Hyderabad Title : Association between GSTM1, GSTT1 gene polymorphism and urinary 8-OHdG levels and occupational exposure to vehicular exhaust in traffic policemen
	1230-1300	GL 2	Dr. Mary N. Mohankumar , Radiological Safety Division, Indira Gandhi Centre for Atomic Research, Kalpakkam Title : Radon health effects
1300-1400	LUNCH (Foodys)		

SESSION 6- ENVIRONMENT AND HEALTH	Chairperson		Dr. Lazar Mathew , SBST, VIT University, Vellore
	Rapporteur		Dr. Asit Ranjan Ghosh , SBST, VIT University, Vellore
	1400-1430	KN 1	Dr. Yoshiyuki Uchida , Biomaterials Division, National Institute for Material Science, Japan Title : Air pollution and bronchial asthma: How to solve this problem ?
	1430-1450	GL 1	Dr. Murali C. Pillai , Department of Biology, University of California (Davis), USA Title : Developmental effects of polycyclic aromatic hydrocarbons: disruption of embryonic axis development through a β-Catenin dependent pathway
	1450-1510	GL 2	Dr. Prakash Hande , Dept. of Physiology, National University of Singapore, Singapore Title : Environmental genomics: a post genomic approach to analysing biological responses to environmental toxicants
	1510-1530	GL 3	Dr. A. K. Singh , Centre For Personnel Talent Management, Defence Research & Development Organisation, New Delhi Title : Decorporation of fission produced radionuclides
1530-1600	Tea Break (Foodys)		
SESSION 7- ENVIRONMENTAL INSTRUMENTATION & MONITORING	Chairperson		Dr. Z. C. Alex , SENSE, VIT University, Vellore
	Rapporteur		Dr. S. Sudesh , SBST, VIT University, Vellore
	1600 -1630	KN 1	Dr. Bengt Danielsson , Department of Science and Technology, Lund University, Sweden. Title : Thermal and optical biosensors for environmental issues
	1630 -1700	KN 2	Dr. T. Balasubramanian , CAS in Marine Biology, Annamalai University, Parangipettai Title : Relevance of monitoring in environment sustainability
	1700 - 1720	GL 1	Dr. Magnus Willander , Department of Science and Technology, Linköping University, Sweden. Title : Nanowires for Biotechnology solutions
	1720-1740	GL 2	Dr. (Mrs.) Deepa Mishra , DIPAS, Defence Research & Development Organisation, New Delhi.
1740-1800	GL 3	Dr. Rabinder Henry , School of Inter disciplinary Science, Indian Institute of Information Technology, Pune. Title : Optical ion channel in Nano Biosensor	
1830 -2000	CULTURAL PROGRAMME		
2000- 2100	Dinner (Foodys)		

23.10.2009

SCIENTIFIC SESSIONS - Dr. Ambedkar Auditorium			
SESSION8- FOOD SECURITY AND ENVIRONMENTAL SUSTAINABILITY	Chairperson		Lt. Gen (Rtd) D. Rangunath , Armed Forces and Medical Services
	Rapporteur		Dr. C. Ramalingam , SBST, VIT University, Vellore
	0900 - 0930	KN	Dr. Balasubramanian Ramani , Leibniz Universität Hannover, Germany Title : Food Crisis: Lessons Learnt
	0930-0950	GL 1	Dr. Joseph Arul , Laval University, Canada Title : UV Hormesis in the preservator of fresh fruits and vegetables: Control of post harvest diseases
	0950-1010	GL 2	Dr. M. S. Thakur , Central Food Technology Research Institute, Mysore Title : Application of biosensor for food and environmental safety and security
	1010-1030	GL 3	Dr. Anu Appaiah , Central Food Technology Research Institute, Mysore Title : Management of coffee waste for bio-fertilizer production with a view to its environmental sustainability

	1030-1045	GL 4	Dr. (Mrs.) K. S. Premavalli , Defence Food Research Laboratory, Mysore Title : Food Security for Defence Environment
	1045-1100	Tea break (TT foyer)	
SESSION 9- FOREST AND WILDLIFE	Chairperson		Dr. Bernhard Huchzermeyer , Institute for Botany, Leibniz Universität, Hannover, Germany
	Rapporteur		Dr. V. Sendhilvel , SBST, VIT University, Vellore
	1100 - 1130	KN 1	Mr. P. L. Ananthaswamy , Arignar Anna Zoological Park, Chennai Title : Forest conservation and Wild Life management
	1130-1200	GL 1	Mr. A. V. Venkatachalam , Conservator of Forest, Vellore Title : Biotechnological solution for resurrection of sandal (<i>Santalum album</i>)
	1200 -1230	GL 2	Dr. M. Balasundaran , Kerala Forest Research Institute, Thrissur Title : Genetic diversity in the sustenance of forest ecosystem
	1230-1300	GL 3	Mr. S. Yuvaraj , Arignar Anna Zoological Park, Chennai Title : Forest and renewable energy
	1300-1400	LUNCH (Foodys)	
SESSION 10- AQUATIC RESOURCES	Chairperson		Dr. G. Ilavazhagan , Defence Institute of Physiology & Allied Sciences, New Delhi
	Rapporteur		Dr. S. S. Khora , SBST, VIT University, Vellore.
	1400 - 1430	KN 1	Dr. Satyajit Ghosh , SMBS, VIT University, Vellore Title : Characterizing aerosol clouds and precipitations over monsoon driven country
	1430 -1450	GL 1	Dr. N. Munuswamy , Dept. Ocean Science and Development, University of Madras, Chennai Title : Zooplankton Biodiversity
	1450-1510	GL 2	Dr.T.Ramanathan , CAS in Marine Biology, Annamalai University, Parangipettai Title : Ethno botanical studies of medicinal flora in Tamil Nadu coast (Southeast coast of India)
	1510-1530	GL 3	Dr. R. Seenivasan , SBST, VIT University, Vellore Title : Marine biodiversity : Threats and conservation
	1530-1600	Tea break (TT foyer)	
SESSION11- GREENHOUSE EFFECT & CLIMATE CHANGE	Chairperson		Dr. Y. E. A. Raj , Regional Meteorological Centre, Chennai
	Rapporteur		Dr. V. Thankamani , SBST, VIT University, Vellore
	1600-1630	KN 1	Dr. Hans-Joerg Jacobsen , Institute of Plant Genetics, Leibniz Universität, Hannover, Germany Title : Greenhouse effect and climatic change
	1630-1700	GL 1	Dr J. Merline Shyla , Loyola Institute of Frontier Energy, Loyola College, Chennai Title : The physics of greenhouse effect and strategies for sustainability
	1700-1730	GL 2	Dr. K. Murali Manoj , SBST, VIT University, Vellore Title : Causes, consequences and cure of environmental decline: An ethical perspective
TT - 513 Smart Class Room (Parallel Session)	SESSION – 12 - ORAL PRESENTATION		
	Chairperson		Dr. Bernhard Huchzermeyer , Leibniz Universität, Hannover, Germany
	Rapporteur		Dr. P. Padma , SBST, VIT University, Vellore

SESSION – 13 - POSTER PRESENTATION-		
<i>Kamaraj Auditorium (Parallel Session)</i>	Convenor Rapporteur :	& Dr. Alka Mehta , SBST, VIT University, Vellore
	POSTER DISPLAY	
	21.10.09 0900 - 1900	P - 001 to P – 050
	22.10.09 0900 - 1900	P - 051 to P – 100
	23.10.09 0900 - 1700	P - 101 to P – 164
	21.10.09	1400-1900
22.10.09	0900 – 1300	POSTER PRESENTATION <i>Kamaraj Auditorium</i>
22.10.09	1400 – 1800	POSTER PRESENTATION <i>Kamaraj Auditorium</i>
23.10.09	0900 – 1300	POSTER PRESENTATION <i>Kamaraj Auditorium</i>
23.10.09	1400 – 1500	POSTER PRESENTATION <i>Kamaraj Auditorium</i>
	1730-1830	VALEDICTORY FUNCTION <i>Dr.Ambedkar Auditorium</i>

KL – Keynote Address

GL - Guest Lecture