

<http://www.omicsonline.org/biotechnology2011>



World Congress on **Biotechnology**

21-23 March 2011
Hyderabad International Convention
Centre (HICC), Hyderabad, India

Programme

Programme 21-23 March 2011

21 March 2011

8:00 am onwards **Registrations at HICC**
Requirements: Receipt/Confirmation mail

Hall 3

10:00-10:45 **Opening Ceremony**
Coffee Break: 10:45-11:00

11:00-12:20 **Keynote Forum**

12:20-12:55 **Distinguished Lectures**
Lunch break: 1:00-2:00

2:00-5:00 **Workshops**

Venue: G.01

2:00-4:35
Track 1(i): Bioprocessing and Biotechniques
1(ii): Artificial Cells and Immobilization Biotechnology

4:15-7:35
Track 2: Pharmaceutical Biotechnology

Venue: G.02

4:35-7:25
Track 1(iii): Purification and Applied Aspects of Protein
1(iv): New Approaches to Enzyme and Microbial Technology

Venue: G.03

2:00-3:40
Track 3(i): Aromatic compound degradation
3(ii): Detoxification by Biotransformation
4:00-7:15
Track 3(iii): Microbial bioremediation
3(iv): Waste Water Treatment

Venue: G.04

2:00-6:00
Track 4: Molecular Biology and Bioinformatics

22 March 2011

9:00 am onwards **Registrations continues at HICC**
Requirements: Receipt/Confirmation mail

Venue: G.01

10:00-11:00
Track 5: Biosensors & Bioelectronics
11:20-12:50
Track 6(i): Light Emission From Nanostructures
6(ii): Recent Advances in Nanotechnology
Lunch break: 1:00-2:00

2:00-3:40
Track 6(iii): Usage of Nanaoparticles in Chemotherapy
6(iv): Application of Nanoparticles in Diagnostics

Venue: G.02

10:00-12:20
Track 7: Petroleum & Environmental Biotechnology
Lunch break: 12:30-2:00

2:00-3:20
Track 8(i): Antigen and Antibody Reactions
8(ii): Clinical Significance and Prognostic Values of Immunology

4:00-5:40
Track 8(iii): Advanced Immunological Treatment Techniques
8(iv): Immunoregulation and Immunotherapy

Venue: G.03

10:00-1:00
Track 9(i): Novel Peptide based Biomaterials in Medicine
9(ii): Biomedical Imaging and Visualization
Lunch break: 1:00-2:00

2:00-4:00
Track 9(iii): Molecular Diagnosis and Therapeutics
9(iv): Advances in Gene Therapy and Cancer

4:20-5:00
Track 10: Biochips & Tissue Chips

23 March 2011

9:00 am onwards **Registrations continues at HICC**
Requirements: Receipt/Confirmation mail

Venue: G.01

10:00-11:20
Track 11: Stem Cell Research & Therapy
11:40-12:40
Track 12: Tissue Science & Engineering
Lunch break: 12:40-2:00

2:00-3:40
Track 13: Food Processing & Technology
4:00-6:20
Track 14: OMICS Technologies

Venue: G.02

10:00-1:00
Track 15(i): Plant Science and Agricultural Biotechnology
Lunch break: 12:40-2:00

2:00-3:00
Track 15(ii): Animal Biotechnology

3:20-4:40
Track 15(iii): Industrial Biotechnology: Upstream and Downstream Processes
15(iv): Recombinant DNA Technology

21 March 2011

8:00 am onwards

Registrations at HICC

Requirements: Receipt/Confirmation mail

Hall 3

10:00-10:45 Opening Ceremony

Chief Guest:

Shri. Noel Swaranjit Sen, IPS, Former Director General of Police, Andhra Pradesh, India

Honorable Guests:

Shri. B.R.Meena, IAS, Vice Chairman & Managing Director, APIIC, Andhra Pradesh, India

Shri T. Vijaya Kumar, IAS, Joint Collector, Medak District, Andhra Pradesh, India

Dr. David L. Vesely, University of South Florida Health Sciences, USA

Dr. Christian Drapeau, Stemtech International, USA

Dr. Philippe Dejardin, Universite Montpellier, France

Dr. Baolin Zhang, Food and Drug Administration, USA

Prof. P Reddanna, University of Hyderabad, India

Dr. Srinu Babu G, Stanford University, USA

Coffee Break: 10:45-11:00

Keynote Forum

11:00-11:20 **Dr. David L. Vesely**, University of South Florida Health Sciences, USA

11:20-11:40 **Dr. Christian Drapeau**, Stemtech International, USA

11:40-12:00 **Dr. Philippe Dejardin**, Universite Montpellier, France

12:00-12:20 **Dr. Baolin Zhang**, Food and Drug Administration, USA

Distinguished Lectures

12:20-12:35 **Shri. K. Praveen Kumar**, Vice President, Marketing and Investment Promotion, APIIC, Andhra Pradesh, India

12:35-12:50 **Dr. Jitendra Kumar**, Vice President, Life Science Incubator, IKP Knowledge Park, India

12:50-12:55 **Shri. Nikunj A Desai**, CEO, Prakruthi Healthcare Pvt. Ltd., India

Lunch break: 1:00-2:00

Workshops

2:00 - 3:30 **Title: Fermentation Technology**
S4BIO, India

Coffeebreak: 3:30-3:50

3:30 - 5:00 **Title: Polymerase Chain Reaction**
Usha Biotech, India

Venue: G.01

Track 1 (i): Bioprocessing and Biotechniques 1

(ii): Artificial Cells and Immobilization Biotechnology

Session Introduction

2:00-2:20 **Title: Bench scale biocalorimetry: An in line tool for monitoring bioprocess**
Dr. M. Surianarayanan, CLRI, India

2:20 - 2:40 **Title: Magnetic separation of wine yeast biomass from the sparkling wine**

Dr. Marin Berovic, University of Ljubljana, Slovenia

2:40 - 2:55

Title: Production of antibiotic like compounds using thermophilic actinomycetes from niche habitats

Mrs. Meghana Kulkarni, MACS-Agharkar Research Institute, India

2:55- 3:10

Title: Why do bioprocess engineers get so obsessed with oxygen transfer in microbial cell culture?

Dr. Debendra K. Sahoo, Institute of Microbial Technology (CSIR)-Chandigarh, India

3:10 - 3:25

Title: Removal of acid blue 9 using low cost adsorbent – optimization, equilibrium and kinetic studies

Dr. R. Rajeshkannan, Annamalai University, India

Coffeebreak: 3:25-3:50

3:50-4:05

Title: Kinetics and equilibrium studies in biosorption of lead metal ion from industrial effluents using macro algae

Dr. B Sarada, GITAM University, India

4:05 - 4:20

Title: Studies on strain improvement for the production of α -amylase using strong mutagens from *Bacillus subtilis*

Dr. P. Sudha Rani, Administrative Management College, India

4:20 - 4:35

Title: Exploring ars operon homologues from arsenic resistant indigenous bacterial strains

Dr. S.R.Prabakaran, Bharathiar University, India

Track 2: Pharmaceutical Biotechnology

Session Introduction

4:35 - 4:55

Title: Air pressure actuated microfluidic device for the rapid 3D aggregation of hepatocarcinoma cells in a very confined microenvironment

Dr. Paul-Emile Poleni, University of Tokyo, Japan

4:55 - 5:15

Title: DNA Gyrase and topoisomerase iv mutations associated with fluoroquinolone resistance in *Pseudomonas aeruginosa* isolated from indian soils

Dr. Joveeta Joseph, Indian Institute of Chemical Technology-Hyderabad, India

5:15 - 5:35

Title: Biomarkers in drug discovery and development

Dr. Ramadevi Sanam, GVK Biosciences Pvt Ltd, India

5:35 - 5:55

Title: Relationship (gostar) database in in-silico drug designing studies

Dr. Rambabu Gundla, GVK Biosciences Pvt Ltd, India

5:55- 6:10

Title: Molecular identification and artificial screening of tomato germplasm against tomato leaf curl virus in andhra pradesh, india

Dr. M. Rajasri Mandali, India

6:10-6:25

Title: Screening and optimization of microbial biotransformation studies for production of new drug entities

Dr. M. Vidyavathi, Sri Padmavathi Mahila Visvavidyalayam, India

6:25-6:40	<p>Title: Development of fish vaccines and disease control</p> <p>Dr. B. Deivasigamani, Annamalai University, India</p>	5:00 - 5:20	<p>Title: Optimization of production conditions for extracellular tannase by <i>Aspergillus terreus</i> isolate</p> <p>Dr. M. Narsi Reddy, Indian Institute of Chemical Technology-Hyderabad, India</p>
6:40- 6:55	<p>Title: Biological effects of chromium amino-acid complexes on yeast metabolism</p> <p>Dr. K. S. Karthikeyan, Osmania University, India</p>	5:20- 5:40	<p>Title: Studies on cyclodextrin glycosyl transferase (cgtase) producing alkaliphilic bacteria from Lonar lake</p> <p>Dr. Rebecca Thombre, MACS-Agharkar Research Institute, India</p>
6:55- 7:10	<p>Title: Evaluation of survival ability of phages against <i>Salmonella dublin</i> under varied physico-chemical conditions</p> <p>Dr. Mudit Chandra, College of Veterinary Science, India</p>	5:40 - 6:00	<p>Title: TOROCELL- Disposable bioreactor system and its applications</p> <p>Dr. Prasada Rao, Lablinks Biotech Pvt. Ltd, India</p>
7:10 - 7:25	<p>Title: Potential use of <i>Ulva fasciata</i> (green alga) biomass for removal of Cu^{+2} from aqueous solution: surface characterization and application of Response Surface Methodology (RSM)</p> <p>Dr. K. Kishore Kumar, University of Hyderabad, India</p>	6:00 - 6:15	<p>Title: Microbial concrete a wonder metabolic product improves the durability of building structures</p> <p>Dr. M.Sudhakara Reddy, Thapar University, India</p>
Venue: G.02			
Track 1 (iii): Purification and Applied Aspects of Protein			
1 (iv): New Approaches to Enzyme and Microbial Technology			
Session Introduction			
2:00 - 2:20	<p>Title: Fluorescence techniques for monitoring of the changes in geometry and electrostatic surface potential on enzymes</p> <p>Dr. Martin Kubala, Palacky University in Olomouc, Czech Republic</p>	6:30 - 6:45	<p>Title: Isolation, partial identification, antimicrobial activity and the study of action of various stimuli on aflatoxin production by <i>aspergillus flavus</i></p> <p>Dr. Ms. Sujata Das, Lovely Professional University, India</p>
2:20 - 2:40	<p>Title: Influence of the milieu conditions on selective trypsin hydrolysis of whey proteins</p> <p>Dr. Seronei Chelulei Cheison, Technische Universität München, Germany</p>	6:45- 7:00	<p>Title: Isolation, purification, and characterization of protease from visceral organ wastes and head and tail wastes of grey mullet fish</p> <p>Dr. Anitha Subash, Avinashilingam Deemed University for Women, India</p>
2:40 - 3:00	<p>Title: Drought tolerance in maize, an important crop in agriculture</p> <p>Dr. Montserrat Pages Departamento Genetica Molecular de Plantas CRAG (CSIC-IRTA) Barcelona, Spain</p>	7:00-7:15	<p>"Title: Classic, deterministic and stochastic approach of optimization: A comparative case study on enzyme production process"</p> <p>Dr. Palaniyappan M, St. Joseph's College of Engineering, India</p>
3:00- 3:20	<p>Title: Influenza virus attaches onto the cell selectively</p> <p>Dr. Ayae Honda, Hosei University, Japan</p>	7:15-7:30	<p>Title: probiotic potential of bacillus subtilis isolated from milk and its antagonism against enteric pathogens</p> <p>Dr. Keerthi TR, Mahatma Gandhi University, India</p>
3:20 - 3:40	<p>Title: Performance of two methanogenic consortia immobilized on natural supports in methane production during co-digestion process</p> <p>Dr. Nadia Viridiana Arguijo Portillo, Universidad Autónoma de Coahuila, Mexico</p>	7:30-7:45	<p>Title: Inositols from hevea brasiliensis: isolation of l- quebrachitol and studies on its extraction from different latex serum sources</p> <p>Dr. Jayasree Gopalakrishnan, Rubber Research Institute of India, India</p>
Cofeebreak: 3:40-4:00			
4:00- 4:20	<p>Title: Synthesis and characterization of silver nanoparticles from marine streptomyces species</p> <p>Dr. R S Prakasham, Indian Institute of Chemical Technology, Hyderabad</p>	Venue: G.03	
4:20 - 4:40	<p>Title: Characterization of melanin pigment from <i>Pseudomonas stutzerii</i></p> <p>Dr. Niveditha Sahu, Indian Institute of Chemical Technology-Hyderabad, India</p>	Track 3(i): Aromatic compound degradation	
4:40 - 5:00	<p>Title: <i>Chaetomium globosum</i> (niocc 36) - an extremophilic marine derived fungus with biotechnological potential</p> <p>Dr. Chinnarajan Ravindran, National Institute of Oceanography (CSIR)-Goa, India</p>	3(ii): Detoxification by biotransformation	
Session Introduction			
2:00 - 2:20	<p>Title: Poultry meat & bone residues bioconversion: technology development and products characterization</p> <p>Dr. Olga Koroleva, Russian Academy of Sciences, Russia</p>		

2:20 - 2:40	<p>Title: Relation between macroscopic binding constant and the anticancer efficacy of the bovine serum albumin-quercetin derivatives against dug-sensitive and drug-resistant cells</p> <p>Dr. Winit Choiprasert, Chiang Mai University, Thailand</p>	6:00-6:15	<p>Title: Study on the bioremediation processes in <i>Litopenaeus vannamei</i> culture ponds with application of probiotics in coastal andhra pradesh, india</p> <p>Dr. Rayaprolu Srinivas, Novus Animal Nutrition (India) Pvt Ltd, India</p>
2:40 - 3:00	<p>Title: Effect of surfactants on bacterial cultures degrading hydrocarbons from non aqueous phase liquids</p> <p>Dr. Suparna Mukherji, Indian Institute of Technology, India</p>	6:15-6:30	<p>Title: Removal of Cr (III) from aqueous solution using immobilized <i>Rhizomucor tauricus</i> and spectroscopic characterization</p> <p>Dr. Krishna Prasad, GMRIT, India</p>
3:00 - 3:20	<p>Title: Gum ghatti and polyacrylamide based hydrogel-synthesis, characterization and biodegradation studies</p> <p>Dr. Balbir Singh Kaith, National Institute of Technology, India</p>	6:30-6:45	<p>Title: Mycorrhizosphere: an ecological remediation unit</p> <p>Dr. M.H.Fulekar, University of Mumbai, India</p>
3:20 - 3:40	<p>Title: Assessment of optimum dilution ratio and microbial consortium for biohydrogen production by anaerobic co-digestion of press mud with sewage and water - A comparative study</p> <p>Dr. R. Saravanane, Pondicherry Engineering College, India</p>	6:45-7:00	<p>Title: Bioremediation of shrimp biowaste for recovery of industrially important chitin and carotenoids by ecofriendly process</p> <p>Dr. Kandra Premeela, GITAM University, Visakhapatnam, India</p>
Cofeebreak: 3:40-4:00		7:00-7:15	<p>Title: Modification of Saccharam spontaneum – L Fiber through Graft Copolymerization and its application as Reinforcing agent in the preparation of biodegradable composites</p> <p>Dr. Rajeev Jindal, National Institute of Technology-Jalandhar, India</p>
Track 3(iii): Microbial bioremediation		Venue: G.04	
3(iv): Waste Water Treatment		Track 4: Molecular Biology and Bioinformatics	
Session Introduction			
4:00-4:20	<p>Title: Role of biotechnology towards achieving zero effluent discharge in a pulp and paper industry</p> <p>Dr. Shalini Singh, Indian Institute of Technology-Roorkee, India</p>	2:00 - 2:20	<p>Title: Discovering opportunities from functional genomics in oil palm</p> <p>Dr. Siti Nor Akmar Abdullah, Univrsiti Putra Malaysia, Malaysia</p>
4:20-4:40	<p>Title: White rot fungal cultures for degradation of water soluble pollutants</p> <p>Dr. Cenek Novotny, Academy of Sciences of the Czech Republic, Czech Republic</p>	2:20 - 2:40	<p>Title: Structurally- and dynamically-driven alteration of the catalytic machinery of the sars 3c-like with evolutionarily acquiring an extra-domain</p> <p>Dr. Jianxing Song, National University of Singapore, Singapore</p>
4:40-5:00	<p>Title: Anaerobic digestion: present status and future perspectives</p> <p>Dr. A. Gangagni Rao, Indian Institute of Chemical Technology (IICT)-Hyderabad, India</p>	2:40 - 3:00	<p>Gene mining from phreatophyte <i>prosopis juliflora</i> for generation of transgenic rice tolerant to abiotic stresses</p> <p>Dr. Suja George, M.S. Swaminathan Research Foundation, India</p>
5:00-5:15	<p>Title: Microbial bioremediation of toxic organic pollutants</p> <p>Dr. P.P.Kanekar, MACS-Agharkar Research institute</p>	3:00- 3:20	<p>A Transcriptional signature of pathogenic and non-pathogenic mycobacteria</p> <p>Dr. Prati Pal Singh, National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, Punjab, India</p>
5:15-5:30	<p>Title: Microbial bioremediation of industrial wastewater in Common Effluent Treatment Plant (CETP)</p> <p>Dr. S.S.Sarnaik, MACS-Agharkar Research institute</p>	3:20 - 3:40	<p>Title: Investigating cellular functions of the calcium signaling genes in <i>neurospora crassa</i></p> <p>Dr. Ranjan Tamuli, Indian Institute of Technology-Guwahati, India</p>
5:30-5:45	<p>Title: Bioremediation of nitro explosive-diaminodinitroethylene (fox-7) containing wastewater</p> <p>Mrs. Vrushali Patil, MACS-Agharkar Research institute</p>	Cofeebreak: 3:40-4:00	
5:45-6:00	<p>Title: Biogeophysical monitoring of engineered bioremediation of contaminants in geobiological systems</p> <p>Dr. Kushal P Singh, National Geophysical Research Institute-Hyderabad, India</p>	4:00- 4:15	<p>Title: An efficient method of soil DNA isolation for construction of metagenomic libraries</p> <p>Dr. Pavan Kumar Pindi, Palamuru University, India</p>

4:15 - 4:30	<p>Title: Vaccine design: Identification of the putative molecular target of infectious bursal disease virus on chicken lymphocytes using immunological and bioinformatic approach</p> <p>Prof. Hari Mohan Saxena, Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), India</p>
4:30 - 4:45	<p>Title: Genetic Engineering of gamma linolenic acid (gla): A pharmaceutically important fatty acid</p> <p>Dr. I. Swarnalatha Devi, Acharya Nagarjuna University, India</p>
4:45 - 5:00	<p>Rice Varietal identification by rapid chemical tests, electrophoretic variants of soluble seed proteins and DNA fingerprinting</p> <p>Dr. Sambasiva Rao P, Acharya N.G.Ranga Agricultural University, India</p>
5:00 - 5:15	<p>Evaluation of seizure activity after phosphodiesterase-7 inhibition with guanylate cyclase activation and inhibition in animal model of epilepsy</p> <p>Dr. Manoj G Tyagi, Christian Medical College, India</p>
5:15 - 5:30	<p>Expression of glutathione s-transferase in antibiotic resistance bacterial species (Staphylococcus sp., Streptococcus sp. and Micrococcus sp.) isolated from the poultry litter</p> <p>Dr. Thamaraiselvi, Bharathidasan University, India</p>
5:30 - 5:45	<p>Title: Biological synthesis of silver nanoparticles using medicinal plants</p> <p>Dr. N. Savithamma, S.V. University, India</p>
5:45 - 6:00	<p>Title: Metagenomics : A new window to the Marine Microbiology</p> <p>Dr. Vijaya. Ch, Vikrama Simhapuri University, India</p>

Poster Session

Venue: Hall 1 & 2

21 March 2011 Afternoon - [1:30 - 4:30]

Track 1 Poster Nos: 1-93, 435-437, 440, 442

22 March 2011

9:00 am onwards

Registrations at HICC

Requirements: Receipt/Confirmation mail

Venue: G.01

Track 5: Biosensors & Bioelectronics

Session Introduction

10:00 - 10:20	<p>Title: New Biosensors for the determination of mycotoxins in the agroalimentary system</p> <p>Dr. Hector Fernandez, Universidad Nacional de Río Cuarto, Argentina</p>
10:20 - 10:40	<p>Title: The similarities in the biology of normal and cancer stem cells when cultured on 3D-nanofibrous scaffold systems</p> <p>Dr. Mankhetkorn Samlee, Chiang Mai University, Thailand</p>

10:40 - 11:00	<p>Title: Optimized design of microwave maAntenna for the removal of liver tumor"</p> <p>Dr. Surita Maini, Sant Longowal Institute of Engineering and Technology (SLIET), India</p>
Cofeebreak: 11:00-11:20	
Track 6(i): Light Emission From Nanostructures	
6(ii): Recent Advances in Nanotechnology	
Session Introduction	
11:20- 11:40	<p>Title: Detection of bacteria by magnetic glyconanoparticles</p> <p>Dr. Roland J. Pieters, Utrecht University, Netherlands</p>
11:40- 12:00	<p>Title: Nanopatterned surfaces with controlled chemistry using DUV laser interferometry</p> <p>Dr. Olivier Soppera, Institut de Sciences des Materiaux de Mulhouse, USA</p>
12:00- 12:20	<p>Title: Profiling of biosurfactants: from a nanobiotechnology perspective</p> <p>Dr. C. Ganesh Kumar, Indian Institute of Chemical Technology-Hyderabad, India</p>
12:20 - 12:35	<p>Title: Nano is too big: Challenges and solutions for the delivery of biotech drugs</p> <p>Dr. Malay K Das, Dibrugarh University, India</p>
12:35 - 12:50	<p>Title: Biomedical applications of magnetic nanoparticles</p> <p>Dr. Fahima Dilnawaz, Laboratory of Nanomedicine, India</p>
Lunch break: 1:00-2:00	
Track 6(iii): Usage of Nanaoparticles in Chemotherapy	
6(iv): Application of Nanoparticles in Diagnostics	
Session Introduction	
2:00- 2:20	<p>Title: Superparamagnetic iron oxide nanoparticles for targeted drug delivery</p> <p>Dr. Anjana Pandey, University of Allahabad, India</p>
2:20- 2:40	<p>Title: Role of Nanocrystallinity, twins and silver-oxygen complex species for biological efficacy of novel antimicrobial silver films as therapeutic agents for burn wound dressings</p> <p>Dr. Sudhindra B. Sant, Indian Institute of Technology-Kharagpur, India</p>
2:40- 3:00	<p>Title: Role of multilayer structure with biopolymer nanolaminated coatings on droplet stability and digestion</p> <p>Dr. Min Hu, Wm. Bolthouse Farms, USA</p>
3:00 - 3:20	<p>Title: Construction and applications of mannose-grafted poly-dl-lactide-co glycolide nanoparticles for active targeting of macrophages</p> <p>Dr. Sanchaita Lala, Indian Institute of Chemical Biology-Kolkata, India</p>
3:20- 3:40	<p>Title: Applications of nanoparticles-based mass spectrometry</p> <p>Dr. K. Suresh Kumar, Sardar Vallabhbhai National Institute of Technology, India</p>
Cofeebreak: 3:40-4:00	
Venue: G.02	
Track 7: Petroleum & Environmental Biotechnology	
Session Introduction	
10:00 - 10:20	<p>Title: Eco-Industrial parks for pollution abatement and remediation</p> <p>Dr. M.N.V. Prasad, University of Hyderabad, India</p>

10:20 - 10:40	<p>Title: Development of cellulolytic yeasts for one-step conversion of cellulotics to bioethanol</p> <p>Dr. Van Zyl WH, University of Stellenbosch South Africa</p>	4:20 - 4:40	<p>Title: Molecular and immunological methods to diagnosis of herpesviral infections</p> <p>Dr. Ronaldo Luis Thomasini, State University of Campinas, Brazil</p>
10:40 - 11:00	<p>Title: Effects of nitrogen sources on production and composition of sophorolipids by wickerhamiella domercqiae var. sophorolipid CGMCC 1576</p> <p>Dr. Xin Song, Shandong University, China</p>	4:40 - 5:00	<p>Title: Immunomodulatory effect of human mesenchymal stem cells on t cell responses</p> <p>Dr. Rajesh Ramasamy, Universiti Putra Malaysia, Malaysia</p>
Cofeebreak: 11:00-11:20		5:00 - 5:20	<p>Title: Immune regulation by the human lymphocyte subpopulation: Role of melatonin, its receptor and catecholamine(s)</p> <p>Dr. Seema Rai, Banaras Hindu University, India</p>
11:20- 11:35	<p>Title: Enzymatic saccharification of the kelp polysaccharides for the bioethanol production</p> <p>Dr. Sushama S. Gomare, Rajarshi Shahu College, India</p>	5:20 - 5:40	<p>Title: Natural antibiotics: Antimicrobial Peptides</p> <p>Dr. Pratik Gholkar, KIT's College Of Engineering, India</p>
11:35- 11:50	<p>Title: Efficacy of a novel crude cellulose-poor xylanase from <i>Coprinellus disseminatus</i> SH-1 NTCC1163 to mitigate AOX in combined effluent generated during conventional and ECF bleaching</p> <p>Dr. Shalini Singh, Indian Institute of Technology Roorkee, India</p>	Venue: G.03	
11:50- 12:05	<p>Title: Altitudinal and longitudinal impacts upon the phytochemistry of ganodermataceae family</p> <p>Dr. Anita Kamra, H.N.B Garhwal University, India</p>	Track 9(i): Novel Peptide based Biomaterials in Medicine	
12:05 - 12:20	<p>Title: Human life protection in the event of nuclear eventualities upon earth</p> <p>Dr. S.S. Sawhney, Uttaranchal College of Science and Technology, India</p>	9(ii): Biomedical imaging and visualization	
Lunch break: 12:30-2:00		Session Introduction	
Track 8(i): Antigen and Antibody Reactions		10:00 - 10:20	<p>Title: Genetically encoded nonnatural amino acids: novel methods for bioengineering structure-function into biomaterials</p> <p>Dr. Eric Tippmann, Cardiff University, UK</p>
8(ii): Clinical Significance and Prognostic Values of Immunology		10:20 - 10:40	<p>Title: Targeting the death receptors in cancer therapy – novel insights into apoptosis and chemosensitivity</p> <p>Dr. Baolin Zhang, Center for Drug Evaluation and Research, USA</p>
Session Introduction		10:40 - 11:00	<p>Title: Production and Properties of Collagen-like Proteins from <i>Streptococcus pyogenes</i></p> <p>Dr. Ramshaw J.A.M., CSIRO, Materials Science and Engineering, Australia</p>
2:00- 2:20	<p>Title: Large scale production of therapeutic antibodies in china: From research to market</p> <p>Dr. Yajun Guo, Chinese National Engineering Research Center of Antibody Medicine, China</p>	Cofeebreak: 11:00-11:20	
2:20- 2:40	<p>Title: On-arrays capture of red blood cells in critical transfusional cases</p> <p>Dr. Pazart L, Besancon University Hospital, France</p>	11:20 - 11:40	<p>Title: Development of Manganese-Quercetin complex for molecular imaging of cancer using MRI</p> <p>Dr. Nathupakorn Dechsupa, Chiang Mai University, Thailand</p>
2:40- 3:00	<p>Title: Genetic and functional analysis of genes that control immune response to leishmaniasis</p> <p>Dr. Marie Lipoldova, Charles University, Czech Republic</p>	11:40 - 11:55	<p>Title: Clinical use of different biomaterials for cutaneous wound healing in veterinary practice</p> <p>Dr. R.V Suresh Kumar, SVVU, India</p>
3:00 - 3:20	<p>Title: Screening of the cytomegalovirus : an automated tool for rapid detection at the newborn's bed</p> <p>Dr. L. Pazart, Besancon University Hospital, France</p>	11:55 - 12:10	<p>Title: Biomaterials for practical solutions to orthopaedic surgical challenges</p> <p>Dr. Samit Kumar Nandi, West Bengal University of animal & Fishery Sciences, India</p>
Cofeebreak: 3:40-4:00		12:10 - 12:25	<p>Title: Lyophilization of human platelet for aggregometry studies in responding to different agonists</p> <p>Dr. Saleh Nasiri, Research Center of Iranian Blood Transfusion Organization, Iran</p>
Track 8(iii): Advanced Immunological Treatment Techniques		12:25 - 12:40	<p>Title: EEG signal analysis- An opening to the brain computer interface</p> <p>Dr. Sanjeev Singh, Sant Longowal Institute of Engg. & Tech., India</p>
8(iv): Immunoregulation and Immunotherapy			
Session Introduction			
4:00- 4:20	<p>Title: Novel human gastrointestinal stem cell derived cellular platform: bridging the innovation gap in discovery and development of new treatments for difficult diseases</p> <p>Dr. Asit B. Panja, AlfaGene Bioscience, Inc, USA</p>		

12:40- 1:00
Title: Production of polyhydroxyalkanoate (PHA) by Halomonas campisalis and its application as biodegradable packaging material
Dr. Smita Nilegaonkar, MACS-Agharkar Research Institute, India

Lunch break: 1:00-2:00

Track 9(iii): Molecular Diagnosis and Therapeutics
9(iv): Advances in Gene Therapy and Cancer
Session Introduction

2:00- 2:20
Title: Emerging molecular therapeutic targets in the control of metabolic and cardiovascular disease
Dr. Rajendra K. Tangirala, University of California, USA

2:20- 2:40
Title: Utilization of gene-engineered T cells as an effective cancer immunotherapy treatment
Dr. Phillip K. Darcy, Peter MacCallum Cancer Center, Australia

2:40- 3:00
Title: Biomarkers and Molecular Targets for Inflammatory Diseases
Dr. Tripathi B. Rajavashisth, University of California Los Angeles (UCLA), USA

3:00-3:20
Title: Cancer treatment and its impact on bone and marrow
Dr. Susanta Hui, University of Minnesota, USA

3:20-3:40
Title: Effects of vitamins on the growth and proliferation of tumor cells
Dr. Sunitha S.N, Mount Carmel College, India

3:40-4:00
Title: Isolation and morphological characterization of a brucellaphage against Brucella abortus strain S 19
Dr. Deepti Chachra, College of Veterinary Science, India

Cofeekbreak: 4:00-4:20

Track 10: Biochips & Tissue Chips
Session Introduction

4:20-4:40
Title: Detection and biotechnological potential of the RNAi suppressors
Dr. Sunil Kumar Mukherjee, International Centre for Genetic Engineering and Biotechnology, India

4:40-5:00
Title: Expanding roles of viral RNAi suppressors: present status and future prospects
Dr. Satendra K. Mangrauthia, Directorate of Rice Research, India

Poster Session

Venue: Hall 1 & 2

22 March 2011 Morning - [10:30 - 1:00]

Track 2, 3, 6 Poster Nos: 94-129, 130-155, 217-239, 441

Afternoon - [1:30 - 4:30]

Track 4, 5, 7 Poster Nos: 156-202, 203-216, 240-263

23 March 2011

9:00 am onwards

Registrations at HICC

Requirements: Receipt/Confirmation mail

Venue: G.01

Track 11: Stem Cell Research & Therapy
Session Introduction

10:00 - 10:20
Title: The NO/ONOO- Cycle as the cause of cfs/me and related diseases and also the three classic neurodegenerative diseases, alzheimer's, parkinson's and ALS
Dr. Martin L. Pall, Washington State University, USA

10:20 - 10:40
Title: Mesenchymal stem cells as gene delivery vehicle for successful islet transplantation
Dr. Ram I. Mahato, University of Tennessee Health Science Center, USA

10:40 - 11:00
Title: Endogenous stem cell mobilization: a novel therapeutic approach
Dr. Christian Drapeau, Stemtech International, USA

11:00- 11:20
Title: Stem Cell Therapy for bleeding disorder
Dr. Neelam Yadav, National Institute of Immunology-New Delhi, India

Cofeekbreak: 11:20-11:40

Track 12: Tissue Science & Engineering
Session Introduction

11:40- 12:00
Title: Pathophysiology for the faulty bony repair of the injured growth plate cartilage and potentials and challeges for cartilage regeneration
Dr. Cory J. Xian, University of South Australia, Australia

12:00- 12:20
Title: A rapid photochemical crosslinking technology for fabrication of protein-based tissue sealants and scaffolds
Dr. Jerome A Werkmeister, CSIRO Materials Science and Engineering, Australia

12:20 - 12:40
Title: Use of Tissue cultures for the conservation of endemic and endangered turkish digitalis species and production of cardenolides
Dr. Ekrem Gurel, Abant Izzet Baysal University, Turkey

Lunch break: 12:40-2:00

Track 13: Food Processing & Technology
Session Introduction

2:00- 2:20
Title: Characterization of bioactive components from chiba seed (psoralea corylifolia l.) extracts obtained by supercritical carbon dioxide
Dr. B. Manohar, Food Engineering Department CFTRI-India

2:20- 2:40
Title: Phenolic Compounds and their role during oxidative processes in fruits and vegetables
Dr. Arzu Altunkaya, Yuzuncu Yil University, Turkey

2:40- 3:00
Title: Production of gluten- free products from underutilized millets
Dr. T.V.Hymavathi, ANG Ranga Agricultural University, India

3:00 - 3:20
Title: Cashew apple juice preservation – an integrated approach for shelf life enhancement
Dr. Khasim Beebi, GITAM University, India

3:20 - 3:40
Title: Functional benefits of inulin (in) and fructo oligosacharides (fos) in food processing and value addition
Dr. T.V.Hymavathi, ANG Ranga Agricultural University, India

Cofeekbreak: 3:40-4:00

Track 14: OMICS Technologies	
Session Introduction	
4:00- 4:20	Title: Integrated functional genomics of soybean drought tolerance Dr. Babu Valliyodan , University of Missouri, USA
4:20 - 4:40	Title: Proteomics for vaccine against infectious diseases Dr. Syed Imteyaz Alam , Defence Research & Development Establishment, India
4:40 - 5:00	Title: miRNAomics-Regulation of plant development under salt stress and disease Dr. Neeti Sanan Misra , International Centre for Genetic Engineering and Biotechnology, New Delhi, India
5:00 - 5:20	Title: Bioinformatics for mining the data from next generation biotechnology platforms Dr. Ramana V Davuluri , University of Pennsylvania, USA
5:20 - 5:40	Title: Systems biology approaches for drug discovery and personalized medicine Dr. Shailza Singh , Pune University, India
5:40 - 6:00	Title: Targeting liposomal drug delivery for anti-protozoal drugs: A systems biology approach Dr. Ramana V Davuluri , University of Pennsylvania, USA
6:00-6:20	Title: Effect of benzene metabolites on phospholipids metabolism in <i>Saccharomyces cerevisiae</i> Dr. Vasanthi Nachiappan , Bharathidasan University, India

Venue: G.02

Track 15(i): Plant Science and Agricultural Biotechnology

Session Introduction

10:00 - 10:20	Title: Metabolic engineering in the genomics era for improvements in crops Dr. Rajinder S. Ranu , Colorado State University, USA
10:20 - 10:40	Title: Fermentative production of L-glutamic acid by <i>Corynebacterium glutamicum</i> DSM 20300 t using starchy root tubers of wild <i>Colocasia esculenta</i>, <i>Mirabilis jalapa</i>, and <i>kedrostris rostroata</i> Dr. D. Sarvamangala , GITAM University, India
10:40 - 11:00	Title: A review of selected plant leaf resources as protein supplements for non-ruminant feeding in the growing economy of developing countries Dr. Fasuyi, Ayodeji Oludare , University of Ado-Ekiti, Nigeria
11:00- 11:20	Title: Hairy roots for secondary metabolite production and co-cultivation of am fungi Dr. Pratap Chandran R , K. V. M. College of Engineering and Information Technology, India
Cofeebreak: 11:20-11:40	
11:40- 12:00	Title: Cisgenesis for crop improvement Dr. Henk J. Schouten , Wageningen University and Research Centre, The Netherlands
12:00- 12:20	Title: Value-added utilization of agro-industrial residues by <i>Rhizopus oryzae</i> for the production of a phytase of potential commercial interests Dr. Sanjoy Ghosh , Indian Institute of Technology, India

12:20 - 12:40	Title: Polar lipids of developing seeds and pod walls of mustard Dr. Sarabjot Sohal , Lovely Professional University, India
12:40 - 1:00	Title: Potential of haploid reuener action studies from leaf explants of <i>Capparis zeylanica</i> l-a medicinal important plant Dr. M.Venkateshwarlu , Kakatiya University, India
Lunch break: 1:00-2:00	

Track 15(ii): Animal Biotechnology

Session Introduction

2:00- 2:20	Title: Biosynthesys of antitumor extra and intracellular fungal polysaccharides of <i>ganoderma lucidum</i> and <i>grifola frondosa</i> by submerged and solid state cultivation Dr. Marin Berovic , University of Ljubljana, Slovenia
2:20- 2:40	Title: Implications of major animal genes and improvement of meat quality of farm animals Dr. Arup Ratan Sen , National Research Centre on Meat-Hyderabad, India
2:40- 3:00	Title: Combined oncolytic effect of HN gene of newcastle disease virus and TNF-a on chemically induced tumour in rats Dr. R.S. Rajmani , Indian Veterinary Research Institute, India

Cofeebreak: 3:00-3:20

Track 15(iii): Industrial Biotechnology: Upstream and Downstream Processes

15(iv): Recombinant DNA Technology

Session Introduction

3:20-3:40	Title: Identification of FH causing mutations/ SNPs in Malaysian population Dr. Livy Alex , Generti™ Biosystems Sdn. Bhd., INFOVALLEY Group of Companies, Malaysia
3:40-4:00	Title: Genetic engineering of biofuel crops to improve renewable energy production Dr. Zhanyuan J. Zhang , University of Missouri, USA
4:00- 4:20	Title: Application of Process Analytical Technology (PAT) for bioprocess production environment Dr. Sreenivasula Reddy Ramireddy , S4BIO, India
4:20-4:40	Title: Transgenic plants for abiotic stress tolerance Dr. Susan Eapen , Bhabha Atomic Research Centre, India




































Poster Session

Venue: Hall 1 & 2

23 March 2011 Morning - [10:30 - 1:00]	
Track 8-14	Poster Nos: 264-286, 287-310, 311-312, 313-315, 316-321, 443, 444, 445
Afternoon - [1:30 - 4:30]	
Track 15, 16	Poster Nos: 350-428, 429-439, 446



Upcoming Conferences

- | | | |
|---|---|---|
|  World Congress on Biotechnology 21-23 March 2011 HICC, Hyderabad, India |  International Conference & Exhibition on Vaccines & Vaccination 22-24 November 2011 Philadelphia, USA |  OMICS Group 2 nd World Congress on Proteomics & Bioinformatics 23-25 April 2012 Paris, France |
|  International Conference & Exhibition on Proteomics & Bioinformatics 6-8 June 2011 HICC, Hyderabad, India |  International Conference & Exhibition on Cell Science & Stem Cell Research 29 Nov-1 Dec 2011 Philadelphia, USA |  OMICS Group 3 rd World Congress on Bioavailability & Bioequivalence 4-6 June 2012 Hyderabad, India |
|  International Conference & Exhibition on Pharmaceutical Biotechnology 6-8 June 2011 HICC, Hyderabad, India |  OMICS Group 2 nd World Congress on Biotechnology 29 Nov-1 Dec 2011 Philadelphia, USA |  OMICS Group 2 nd World Congress on Pharmaceutics & Novel Drug Delivery Systems 4-6 June 2012 Hyderabad, India |
|  2 nd World Congress on Bioavailability & Bioequivalence: Pharmaceutical R & D Summit 6-8 June 2011 Las Vegas, USA |  2 nd World Congress on Diabetes & Metabolism 6-8 December 2011 Philadelphia, USA |  OMICS Group 3 rd World Congress on Diabetes and Metabolism 4-6 June 2012 Hyderabad, India |
|  International Conference on Pharmaceutics & Novel Drug Delivery Systems 7-8 June Las Vegas, USA |  OMICS Group World Congress on Paediatrics & Gynaecology 6-8 December 2011 Philadelphia, USA |  OMICS Group 2 nd World Congress on Paediatrics & Gynaecology 18-20 June 2012 Hyderabad, India |
|  International Conference & Exhibition on Clinical Research: Dermatology, Ophthalmology a Cardiology 5-6 July 2011 San Francisco, USA |  International Conference on Metabolomics & Systems Biology 19-22 February 2012 San Francisco, USA |  OMICS Group 2 nd World Congress on Gastroenterology & Urology 18-20 June 2012 Hyderabad, India |
|  International Conference & Exhibition on Cancer Science & Therapy 15-17 August 2011 Las Vegas, USA |  OMICS Group 2 nd World Congress on Clinical Research 4-6 March 2012 Omaha, USA |  OMICS Group 2 nd World Congress on Virology 2-4 July 2012 Las Vegas, USA |
|  International Conference & Exhibition on Virology 5-7 September 2011 Baltimore, USA |  International Conference & Exhibition on Biometrics & Biostatistics 4-6 March 2012 Omaha, USA |  OMICS Group 3 rd World Congress on Biomarkers & Clinical Research 2-4 July 2012 Las Vegas, USA |
|  International Conference on Pharmaceutical Regulatory Affairs 6-7 September 2011 Baltimore, USA |  OMICS Group World Congress on Gastroenterology & Urology 11-14 March 2012 Omaha, USA |  OMICS Group 3 rd World Congress on Analytical & Bio-analytical Techniques 6-8 August 2012 Hyderabad, India |
|  OMICS Group 2 nd World Congress on Analytical & Bioanalytical Techniques 6-8 September 2011 Hyderabad, India |  International Conference & Exhibition on Nanotechnology & Nanomedicine 11-14 March 2012, Omaha, USA |  OMICS Group 2 nd World Congress on Vaccines & Vaccination 20-22 Aug 2012 San Francisco, USA |
|  2 nd World Congress on Biomarkers & Clinical Research 12-14 September 2011 Baltimore, USA |  OMICS Group 2 nd World Congress on Cancer Science & Therapy 9-11 April 2012 Baltimore, USA |  OMICS Group 2 nd World Congress on Cell Science & Stem Cell Research 20-22 Aug 2012 San Francisco, USA |
| |  OMICS Group 3 rd World Congress on Biotechnology 23-25 April 2012 Paris, France |  OMICS Group 4 th World Congress on Biotechnology 3-5 December 2012 Hyderabad, India |

OMICS Publishing Group

1058 Reed Terrace, Ste 1, Sunnyvale, CA-94086, USA

Phone: +1- 650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499

International Conference & Exhibition on

Pharmaceutical Biotechnology

06-08 June 2011 HICC, Hyderabad, India

Theme: Furtherance in research of Biologics with the help of Pharmaceutical Biotechnology

Important Dates:

Last date for abstract submission : 30 April 2011
Early bird registration : 29 April 2011
Last date for Registration : 07 May 2011

E-mail: biopharma2011@omicsonline.org



Venue:

Hyderabad International Convention Centre (HICC), Hyderabad, India

International Conference & Exhibition on

Proteomics & Bioinformatics

06-08 June 2011 HICC, Hyderabad, India

Theme: To Promote, Foster & Enhance research in different fields of Omics

Important Dates:

Last date for abstract submission : 15 April 2011
Early bird registration : 05 April 2011
Last date for Registration : 05 May 2011

E-mail: proteomics2011@omicsonline.org



Venue:

Hyderabad International Convention Centre (HICC), Hyderabad, India

Local Co-Organizers/Event Partners



OMICS Group 2nd World Congress on

Analytical & Bioanalytical Techniques

6-8 September 2011 Hyderabad, India

Theme: Advanced Scientific Technologies & Industry Insight

Important Dates:

Last date for abstract submission : 10 June 2011
Early bird registration : 15 July 2011
Last date for Registration : 05 August 2011

E-mail: analytica2011@omicsonline.org



Venue:

Marriott Hotel & Convention Centre Hyderabad, India

Conference Secretariat

1-90/1, Plot No. 20, Kavuri Hills, Madhapur -HITEC City, Hyderabad, A P INDIA - 500 081

Ph: 040-40131823/24; Fax: +1-650-618-1414

Toll free: +1-800-216-6499 (For USA & Canada only)

<http://www.omicsonline.org/biotechnology2011>

Let Us
Meet Again
at



OMICS Group 2nd World Congress on **Biotechnology**

29 Nov-1 Dec 2011 Philadelphia, USA

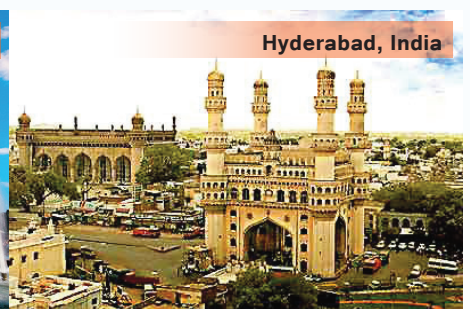
OMICS Group 3rd World Congress on **Biotechnology**

23-25 April 2012 Paris, France

OMICS Group 4th World Congress on **Biotechnology**

3-5 December 2012 Hyderabad, India

Bookmark your dates



OMICS Publishing Group

1058 Reed Terrace, Ste 1, Sunnyvale, CA-94086, USA

Phone: +1- 650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499