**ICCB-2016 Scientific Program**

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| **December 8, 2016** | | | | |
| 14.00-19.00h | Registration – Main building Lobby | | | |
| 14.00-16.00h | BRSI Board and MC meeting (Board and MC members only) – Board room - MB | | | |
| 17.00-18.00h | Opening session and BRSI awards function – Dr. Channa Reddy Auditorium | | | |
| 18.15-19.15h | BRSI GB meeting (members only) Board room - MB | | | |
| 19.15-20.15h | Cultural program – Anna auditorium | | | |
| 20.15-21.15h | DINNER – Foodys | | | |
| **December 9, 2016** | | | | |
| 08.00-17.00h | Registration – TT | | | |
| 09.00-11.00h | Presentations by BRSI awards winners – Dr. Ambedkar and TT Gallery 1 | | | |
| 11.00-11.30h | **TEA/COFFEE** | | | |
| 11.30-13.00h | **Session IA – Dr. Ambedkar Audi** | **Session IB – TT Gallery 1** | **Session IC – Kamaraj Audi** | **SESSION ID – TT 725** |
|  | **BIOCATALYSIS AND BIOTRANSFORMATIONS**  **Chairs: NeeluNawani & Bhaskar Gurunathan** | **ALGAL BIOREFINERY**  **Chairs: You Kwan Oh& S Venkata Mohan** | **DRUG DISCOVERY & DEVELOPMENT AND SYNTHETIC BIOLOGY**  **Chairs: Tej P Singh & Renu Wadhwa** | **NANO-TECHNOLOGY AND HEALTH BIOTECHNOLOGY**  **Chairs: P Gunasekaran & Jose Teixeira** |
|  | **Cristobal N Aguilar**  Universidad Autónoma de Coahuila, Mexico  *Bioprocess and molecular analysis of fructoyltransferase biosynthesis by* Aspergillus oryzae *BM-DIA solid-state fermentation* | **Roger Ruan**  University of Minnesota, USA  *Environment-enhancing biofuel and biobased byproduct production through innovative waste-to-algae technologies* | **Sunil Kaul**  Advanced Institute of Science and Technology, Tsukuba, Japan  *Active ingredients enriched ashwagandha leaves: Benefits, bioactives, biology and biotechnology* | **Guillermo Raul Castro**  National University of La Plata, Argentina  *Micro- and nano-biocarriers for molecular transport* |
|  | **K Madhavan Nampoothiri**  CSIR-NIIST, Trivandrum  Corynebacterium glutamicum *as a potent biocatalyst for the bioconversion of pentose sugars to value-added products* | **Rajesh Rastogi**  Sardar Patel University, Vallabh Vidyanagar  *Natural UV-sunscreens from cyanobacteria and their potential application as cosmeceuticals* | **Pawan K Dhar**  Jawaharlal Nehru University, New Delhi  *Synthetic Biology: concepts, challenges and opportunities* | **AA Koutinas**  University of Patras, Greece  *Development of a new generation nano-tubes from tubular cellulose after its hydrolysis with cellulasses* |
|  | **Harvinder Singh Saini**  Guru Nanak Dev University, Amritsar  *Reduction of halogenated acetophenone derivatives by* Pseudomonas *sp (AP1): Comparing the efficiency of biological and chemical surfactants for improving yield of chiral synthons* | **NuruddinThajuddin**  Bharathidasan University, Tiruchirappalli  *Microalgal biomass production and applications* | **PN Rangarajan**  Indian Institute of Science, Bangalore  *New insights into the regulation of metabolic pathways in the methylotrophic yeast,* Pichia pastoris | **RajanishGiri**  Indian Institute of Technology, Mandi  *Zika virus: Learning its disordered side of proteome* |
|  | **T Satyanarayana**  University of Delhi, New Delhi  *Molecular aproches for improving production and caralyticefficience of acidic alpha-amylase of the acidophilicbacterium* Bacillus acidicola | **Vitor Vasconcelos**  Porto University, Portugal  *Cyanobacteria secondary metabolites with biotechnological applications: new approaches using ancient organisms* | **Asad U Khan**  Aligarh Muslim University, Aligarh  *Defining the Structural design of -lactamses: antibiotic resistance mechanism* | **Harishkumar Madhyastha**  University of Miyazaki, Japan  *Gene regulation during dermal wind healing by C-phycocyanin - BAMB5* |
| 13.00-1400h | **LUNCH – Foodys** | | | |
| 14.00-15.30h | **POSTER SESSION – I - Foodys** | | | |
| 15.30-17.00h | **Session IIA Dr. Ambedkar Audi** | **Session IIB TT Gallery 1** | **Session IIC Kamaraj Audi** | **SESSION IID TT 725** |
|  | **BIOPROCESSES AND PRODUCTS DEVELOPMENT**  **Chairs: SmitaLele & Suren Singh** | **ALGAL BIOREFINERY**  **Chairs: Verriah Jegatheesan & RupamKataki** | **DRUG DEVELOPMENT AND HEALTH CARE**  **Chairs: PN Rangarajan & RS Jayasomu** | **ENVIRONMENATL BIOTECHNOLOGY AND CLEAN WATER MANAGEMENT**  **Chairs: Samir K Khanal & In-Seop Chang** |
|  | **Apostolis Koutinas**  Agricultural University Athens, Greece  *Biorefinery development for the production of bio-based chemicals and polymers using food industry side streams* | **You Kwan Oh**  Korea Institute of Energy Research, Seoul, South Korea​  *Multifunctional nano/micro-particle engineering for microalgal biorefinery* | **Renu Wadhwa**  Advanced Institute of Science and Technology, Tsukuba, Japan  *Stress chaperone mortalin - Discovery to drug target* | **RamarajBoopathy**  Nicholls State University, USA  *Presence of antibiotic resistant bacteria and antibiotic resistance genes in the aquatic environment* |
|  | **ParmeswaranBinod**  *CSIR-NIIST, Trivandrum*  *Bio-based process for the production of industrially important platform chemicals* | **Chiranjib Banerjee**  Indian School of Mines, Dhanbad  *Bio-flocculation of microalgae* | **Monisha Dhiman**  Central University of Punjab, Bhatinda  *Role of mitochondia in doxorubicin induced cardio-toxicity* | **RajendhranJeyaprakash**  Madurai Kamaraj University, Madurai  *Genomic insights into the biofilm formation by* Pseudomonas aeruginosa *PAO1* |
|  | **Vinod Kumar**  Center of Innovative and Applied Bioprocessing, Mohali  *Microbial production of xylitol from agro waste residues: Current status and future perspectives* | **S Venkata Mohan**  CSIR-Indian Institute of Chemical Technology, Hyderabad, India  *Algal Cultivation in Biorefinery Mode: Closed Loop and Self-sustained Operation* | **AikateriniAlexiouChatzaki**  Democritus University of Thrace, Greece  *Gene promoter methylation and protein expression of BRMS1 gene in uterine cervix in relation to high-risk HPV infection and cervical cancer* | **Kavita Shah**  Banaras Hindu University, Varanasi  *Environmental biotechnology and innovations in era of changing climate* |
|  | **Soumya Mukherjee**  CSIR-IICB, Kolkata  *Tricking* Arthriniummalaysianum *into producing industrially important enzymes under 2-deoxy D-glucose treatment* | **MunishPuri**  Deakin University, Australia  *Lignocellulose biomass processing for*  *producing high value algal bioactive*s | **Kaustabh KumarMaiti**  CSIR-NIIST, Trivandrum  *New insight of surface enhanced Raman Scattering (SERS) nano-probe for spectroscopic detection and bioimaging of human cancer* | **M Sudhakara Reddy**  Thapar University, Patiala  *Cloning and characterization of glutathione synthesizing genes in ectomycorrhzal fungi and their role in metal tolerance* |
| 17.00-17.30h | **TEA/COFFEE** | | | |
| 17.30-19.00h | **Session IIIA Dr. Ambedkar Audi** | **Session IIIB TT Gallery 1** | **Session IIIC Kamaraj Audi** | **SESSION IIID TT 725** |
|  | **BIOPROCESSES AND PRODUCTS DEVELOPMENT**  **Chairs: KB Ramachandran & PS Panesar** | **LIGNOCELLULOSE BIOREFINERY**  **Chairs: Rajeev K Sukumaran & PraveenkumarRamanujam** | **DRUG DEVELOPMENT AND HEALTH CARE**  **Chairs: DurgV Singh & MukundBodhankar** | **ENVIRONMENTAL BIOENGINEERING- MEMBRANE PROCESSES AND TECHNOLOGIES**  **Chairs: RajmrajBoopathy & SuzanaYusup** |
|  | **Prakasham Reddy Shetty**  CSIR-Indian Institute of Chemical Technology, Hyderabad  *Microbial glucans and their application potential in biomedical sector* | **Jose Teixeira**  Universidade do Minho, Portugal  *Developments in the production of 2nd generation bioethanol* | **Dipti Sareen**  Punjab University, Chandigarh  *Novel lantibiotics: Identification and characterization*  **Kalpana Joshi**  Sinhgad College of Engineering, Vadgaon  *Pharmacogenomic of RA*  **KantiBhooshan Pandey**  CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar  *Regulation of erythrocyte membrane transporters by resveratrol: Implications for healthy human aging*  **K Pandima Devi**  Alagappa University, Karaikudi  *Multi-targeted neurotherapeutics against Alzheimer's disease: Evaluating the role of Grewiatiliaefolia and its active constituent in preventing Aβ induced proteotoxicity*  **SambasivamPeriyannan**  CSIRO, Australia  *Current trends in cloning disease resistance genes in plants* | **Verriah Jegatheesan**  RMIT University, Australia  *Application of membrane bioreactor (MBR) for the treatment of persistent pollutants: Textile effluent - a case study* |
|  | **Wan Azlina Ahmad**  UniversitiTeknologi Malaysia, Malaysia  *Production of bacterial pigments in low cost medium and formulation of biodegradable ink* | **Ulrika Rova**  Lulea University of Technology, Sweden  *Influence of sequential cultivation of oleaginous yeast* Rhodosporidiumtoruloides *and Bacillus spec on the enhancement of lipid yields from wood hydrolysates* | **N Manickam**  CSIR-Indian Institute of Toxicology Research  *Comparative metagenomic, phylogenetic and functional analyses of microbial communities from the Ganges river ecosystems* |
|  | **Pratyoosh Shukla**  Maharshi Dayanand University  *Computational modeling, systems biology and novel platform design approaches for microbial enzymes* | **Suren Singh**  Durban University of Technology, South Africa  *Agricultural waste as potential biomass for xylooligosaccharide production* | **NasreenMunshi**  Nirma University, Ahmedabad  *Hydrocarbon degradation by Pseudomonas citronellolis*, *the most abundant bacteria in common industrial effluent treatment plants* |
|  | **JyotiJadhav**  Shivaji University, Kolhapur  *Surface plasmon resonance for characterization of enzyme inhibitors* | **Sabeela Beevi**  Institute of Bioresources and Sustainable Development, Imphal  *Evaluation of Para grass from LoktakLake in Manipur as feedstock for bioethanol production* | **Deepak Pant**  Central University of Himachal Pradesh, Dharamshala,  *Hybrid (chemical and biological) method for the management of E-waste* |
| 19.00-20.00h | **DINNER - Foodys** | | | |
| **December 10, 2016** | | | | |
| 09.00-11.00h | **Session IVA Dr. Ambedkar Audi** | **Session IVB TT Gallery 1** | **Session IVC Kamaraj Audi** | **SESSION IVD TT 725** |
|  | **ANAEROBIC DIGESTION/WASTE TREATMENT**  **Chairs: Siddha N UpadhyayAnil K Patel** | **LIGNOCELLULOSE/ALGAL BIOREFINERY**  **Chairs: DattaMadamwar & Emmanual M Papamichael** | **FOOD PRODUCTION AND FUNCTIONAL FOODS**  **Chairs: Rajender S Sangwan & MA Khan** | **FOOD CROPS AND AG-BIOTECHNOLOGY**  **Chairs: Suresh K Dubey & Akhilesh K Tiwari** |
|  | **Samir Kumar Khanal**  University of Hawai’i at Māna, Honolulu, USA  *Anaerobic digestion of high yield energy crops for bioenergy production* | **In Seop Chang**  Gwangju Institute of Science and Technology, Korea  *Energy metabolism of carbon monoxide utilizing acetogens and biochemical productions* | **Sudhir Singh**  Center of Innovative and Applied Bioprocessing, Mohali  *Transformation of fruit and vegetable residues in functional products* | **NeelamSangwan**  CSIR-Central Institute of Medicinal & Aromatic Plants, Lucknow  *Biotechnological interventions to unveil the intricacies involved in production of bioactive compounds from* Ocimum*species* |
|  | **P Mullai**  Annamalai University, Karaikudi, Tamil Nadu  *Residence time distribution studies in hybrid upflow anaerobic sludge blanket reactor treating textile wastewater* | **Reeta Rani Singhania**  Indian Oil Corporation Limited, Faridabad  *Cellulase production: Challenges and future perspective for biorefinery* | **Eugenia Bezirtzoglou**  Democritus University of Thrace, Greece  *Current research and future perspectives on functional foods development – A selection of probiotics from various sources and characterization of probiotic activity* | **Ashwani Kumar**  Dr HSG University, Sagar  *Rhizosphere microbiome: Tool for understanding an engineering plant-microbe interaction* |
|  | **Li Shu**  Deakin University, Australia  *Comparison of aerobic and anaerobic degradation of textile dyes* | **Sudipta De**  Jadvapur University, Kolkata  *Sustainable energy solution through efficient system integration and utilizing local resources: technological, economic and environmental feasibility assessment in Indian context* | **LouloudaBosnea**  University of Patras, Greece  *Microbial encapsulation for food production* | **ZainulAkmarZakaria**  UniversitiTeknologi Malaysia  *Growth improvement of banana and oil palm seedlings using locally isolated nitrogen fixing and phosphate solubilizing bacteria* |
|  | **Sanjay P Govindwar**  Shivaji University, Kolhapur  *Phytoremediation technologies for cleaning textile dyes from industrial effluents and contaminated sites* | **Jo-Shu Chang**  National Cheng Kung University, Taiwan  *Biorefinery concepts on CO2 reutilization via microalgae platform* | **Suzana Ferreira-Dias**  Universidade de Lisboa, Portugal  *Towards sustainable production of dietic lipids and human milk fat substitutes for the food industry* | **Monika Garg**  National Agri-Food Biotechnology Institute, Mohali  *Nutraceutical colored wheat* |
| 11.00-11.30h | **TEA/COFFEE** | | |  |
| 11.30-13.00h | **Session VA Dr. Ambedkar Audi** | **Session VB TT Gallery 1** | **Session VC Kamaraj Audi** | **SESSION VD TT 725** |
|  | **SOLID WASTE MANAGEMENT**  **Chairs: Vinod K Garg & Ram Chandra** | **WASTE TO ENERGY/FOOD**  **Chairs:Sanjay P Govindwar &Uttam C Banerjee** | **HEALTH AND FOODBIOLOGY**  **Chairs: Athanios A Koutinas & SuzanaFerreira-Dias** | **PLANT BIOTECHNOLOGY**  **Chairs: Sunil Kaul & Ashwani Kumar** |
|  | **Sunil Kumar**  CSIR-National Environmental Engineering Research Institute, Nagpur  *Municipal solid waste management and Biotechnology* | **YusupSuzana**  UniversitiTeknologi PETRONAS, Malaysia  *Relative yield efficiency of high free fatty acid rubber seed (Heveabrasiliensis) oil via hydrodynamic cavitation technology* | **Duu-Jong Lee**  National Taiwan University of Technology and Science, Taiwan  *Inhibitory effect and interaction between silver nanoparticles and HIV-1 protease* | **Sujata Upadhyaya**  Sikkim University, Sikkim  *Recent advances in micropropagation of temperate and subtropical fruit crops* |
|  | **Vinod Kumar Garg**  Central University of Punjab, Bhatinda  *Potential of vermitechnology for nutrient recovery and organic waste recycling* | **Emmanuel M Papamichael**  University of Ioannina, Greece  *Lipase-assisted production of biofuel from industrial wastes of ethanol distilleries* | **Poonam Singh - Nee Nigam**  University of Ulster, UK  *Polymer ratio and concentration effect on viability of encapsulated probiotic bacteria in complex coacervates* | **RB Subramanian**  SP University, Vallabh Vidyanagar  *Molecular responses of plants to biotic and abiotic stress* |
|  | **Bhaskar Narayan**  CSIR-Central Food Technological Research Institute, Mysore  *Bio-TIPS for recovery of utilizable biomolecules from solid wastes from fish/meat processing industries* | **Maria Kanellaki**  University of Patras, Greece  *Extremely low temperature fermentations for food production using biocatalysts prepared using solid wastes of food industry* | **Suresh Dubey**  Banaras Hindu University, Varanasi  *Molecular ecological perspective of methanogenic archaeal community in rice agroecosystem* | **GA Ravishankar**  Dayananda Sagar College of Engineering, Bangalore  *Innovative plant biotechnological processes for the production of high-value metabolites* |
| 13.00-14.30h | **POSTER SESSION - II - Foodys** | | | |
| 14.00-15.00h | **LUNCH – Foodys** | | | |
| 15.30-16.30h | **CLOSING SESSION, ANNOUNCEMENT OF POSTER AWARDS AND VENUE FOR XIV BRSI CONVENTION – TT Gallery 1** | | | |
| 16.30-17.00h | **TEA/COFFEE** | | | |