

	Topic- Waste to wealth - Resource recovery and recycling	Topic- Industrial bioprocesses and products development	Topic- Biomass to fuels and chemicals
	Chairs:Samir Kumar Khanal, University of Hawaii, Honolulu, USA & Zengqiang Zhang, Northwest A&F University, Yangling, China	Chairs:DattaMadamwar, Sardar Patel University, Vallabh Vidyanagar&Mark R Wilkins, University of Nebraska–Lincoln, USA	Chairs:Claude-Gilles Dussap, Universite Clermont Auvergne, Clermont Ferrand, France& Siddha N Upadhyay, Banaras Hindu University, Varanasi
11:50-12:10	José A. Teixeira, University of Minho, Braga, Portugal-Ohmic heating as innovative technology for a more efficient wastes recovery	Christian Larroche, Universite Clermont Auvergne, Clermont Ferrand, France- Immersed membrane bioreactors: present status and new tools for their design	Rajeev K Sukumaran, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum -Enzymes for biofuels: β-Glucosidases as blend-in enzymes for biomass hydrolyzing cellulases cocktails
12:10-12:30	Ram S. Singh, Banaras Hindu University, Varanasi -Major challenges and current research efforts in the bioremediation of liquid and gaseous waste	K MadhavanNampoothiri, CSIR- National Institute for Interdisciplinary Science and Technology, Trivandrum-Microbial degradation of high impact polystyrene (HIPS) e-plastics	MukundAdsul, DBT Bioenergy Centre, IOCL, Faridabad - Designing cellulolytic enzyme cocktail for efficient and economic conversion of lignocellulosic biomass to biofuels
12:30-12:50	Deepak Pant, Central University of Himachal Pradesh, Dharamshala -Bioprocess of using weed biomass for surfactant removal from wastewater	Vivek K. Morya, DST-Centre for Policy Research, BBA Central University, Lucknow- Optimization and evaluation of the highly productive protein refolding process, using ionic liquid	Pramod W. Ramteke, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad -Nanomaterials for biofuel production using lignocellulosic waste
12:50-13:10	Rama Kant Dubey, Banaras Hindu University, Varanasi- Agro-waste management practices for improving soil functions, crop productivity and agricultural sustainability under diverse agroecosystems	LathaRangan, Indian Institute of Technology, Guwahati-Mining of natural compounds from seeds of Pongamiapinnata, a versatile oleaginous legume tree	Bijender Kumar Bajaj, University of Jammu, Jammu-Ionic liquids for valorization of lignocellulosic wastes for biofuel-ethanol production under consolidated bioprocessing
13:10-13:30	Zhi Li, National University of Singapore, Singapore -Bioproduction of biodiesel from waste grease	Sunil Kumar Khare, Indian Institute of Technology, New Delhi-Interaction of nanoparticles with microbial cells: evidences of nanotoxicity	Xiang Lu, Nanjing Tech University, Nanjing, China –The model of fiber dispersion for biomass fiber field polyethylene composites
13:30-14.30	Lunch		
14:00-15:30	Poster session-I (cont.....)		
15:30-16:50	Session IIA	Session IIB	Session IIC
	Topic – Bioenergy and Biorefineries	Topic- Industrial bioprocesses and products	Topic- Solid waste management

		development	
	Chairs: Thallada Bhaskar, CSIR- Indian Institute of Petroleum, Dehradun & Duu-Jong Lee, National Taiwan University, Taipei, Taiwan	Chairs: Vikash K Dubey, Indian Institute of Technology, Guwahati & Jo-Shu Chang, National Cheng Kung University, Tainan, Taiwan	Chairs: Vinod K Garg, Central University of Punjab, Bathinda & José A. Teixeira, University of Minho, Braga, Portugal
15:30-15:50	Rajeshwar Dayal Tyagi, University of Quebec, INRS-ETE, Quebec, Canada - Sustainable biodiesel production - An approach	Indu Shekhar Thakur, Jawaharlal Nehru University, New Delhi - Molecular characterization of Serratia sp. ISTD04 for sequestration of carbon dioxide and production of exopolysaccharide	Zengqiang Zhang, Northwest A&F University Yangling, China - Clean composting - Opportunities, Approaches and Challenges
15:50-16:10	Ganti S. Murthy, Oregon State University, USA - A systems perspective on lignocellulosic biorefineries using high yielding tropical grasses	Sudesh Kumar Yadav, Center of Innovative and Applied Bioprocessing, Mohali - Biosynthetic approaches in transformation of biomass into value-added products	Zainul Akmar Zakaria, Universiti Teknologi Malaysia, Kuala Lumpur - Sustainable techniques for pineapple waste management in Johor, Malaysia
16:10-16:30	Claude-Gilles Dussap, Université Clermont Auvergne, France - Influence of reduced gravity for higher plant growth for space life support systems	Mark R Wilkins, University of Nebraska-Lincoln, USA - Production of aryl alcohol oxidase by an Aspergillus nidulans mutant in a trickle bed reactor	Jishuang Chen, Nanjing Tech University, Nanjing, China - Industrial utilization of biomass for new materials and the development of straw plastic composites (SPC)
16:30-16:50	Ajay Kumar, Oklahoma State University, USA - Small-scale co-gasification of municipal solid waste (MSW) and biomass for power generation	Parmjit S Panesar, SL Institute of Technology and Engineering, Longowal, Production of L (+) lactic acid from waste potato starch using fungal culture	Mukesh Kumar Awasthi, Northwest A&F University, Yangling, China - Co-composting of sewage sludge and wheat straw: Microbial diversity and potential mitigation of ammonia and greenhouse gases emission
16:50-17:20	Refreshments		
17:20-19:00	Session IIIA	Session IIIB	Session IIIC
	Topic - Environmental Technologies: value-chain from wastes	Topic - Industrial bioprocesses and products development	Topic - Organization for Women in Science in the Developing World
	Chairs: Sunil K Khare, Indian Institute of Technology, New Delhi & Christian Larroche, Université Clermont Auvergne, France	Chairs: Reeta Rani Singhania, DBT Bioenergy Centre, IOCL, Faridabad & Jonathan W. C. Wong, Hong Kong Baptist University, Hong Kong	Chairs: Kaiser Jameel, Bhagwan Mahavir Medical Research Center, Hyderabad & Akka Jyothy, Osmania University, Hyderabad
17:20-17:40	A. Gangagni Rao, CSIR-Indian Institute of Chemical Technology, Hyderabad - Sustainable waste management Biotechnologies: A decentralized	Nishi Morya, Adhita Biosciences Private Ltd Lucknow - Development of cosmeceutical based cosmetic products from Indian herbs	Vijayakhader, Acharya NG Ranga Agricultural University, Hyderabad - Economic empowerment of women through

	<i>and remunerative approach for waste treatment</i>		<i>application of Science & Technology for food, nutrition, health & livelihood security</i>
17:40-18:00	S Venkata Mohan, CSIR-Indian Institute of Chemical Technology, Hyderabad - <i>Acidogenic waste-biohydrogen platform: Pilot-scale experience</i>	Wan Azlina Ahmad, University Technology, Malaysia - <i>Optimization of growth condition and chromium reduction by thermophilic strain Geobacilluscaldoxylosilyticus UTM 6</i>	RamanibaiRavichandran, University of Madras, Chennai - <i>Women self-help groups and their role in eco restoration and conservation of Pulicat Lagoon</i>
18:00-18:20	Rebecca Thombre, Modern College, Pune - <i>Microbial fuel cell (MFC) technology in altered gravity: Implications in turning waste into electricity on space missions</i>	AkshayaGupte, Natubhai V Patel College of Pure and Applied Sciences, Vallabh Vidyanagar - <i>Laccases: Advancing Sustainability in Chemical Industry</i>	Sudha Chauhan, ICMR, New Delhi - <i>Waste maanagement in India: Role of biotechnology and women</i>
18:20-18:40	M Sudhakara Reddy, Thaper University, Patiala , <i>Glutathione synthesizing genes in ectomycorrhizal fungi and their role in metal detoxification</i>	C. Ganesh Kumar, CSIR-Indian Institute of Chemical Technology, Hyderabad - <i>Microbial-derived silver nanoparticles and their application as drug delivery agents</i>	Arti S. Shanware, Nagpur University, Nagpur - <i>Endeavoring agri-waste management for sustained agriculture ecosystem</i>
18:40-19:00	SudhirPratap Singh, Center of Innovative and Applied Bioprocessing, Mohali - <i>An integrated bio-process for the production of functional biomolecules utilising dairy and sugarcane industry by-products</i>	Kazushige Yokota, Shimane University, Shimane, Japan - <i>Analysis of polyphenolic antioxidants from regional bioresources and their health benefits for the uses as food additives and nutraceuticals</i>	SushmaTamta, Kumaun University, Nainital - <i>Desmodemus sp. may be a potential source of biodiesel production</i>
19:00-20:00	Cultural program		
20:00-21:00	Dinner		
October 10, 2017 [TUESDAY]			
09:00-10:00	Plenary session II: Chairs- Tej P Singh, All India Institute of Medical Sciences, New Delhi & RajeshwarDayalTyagi, University of Quebec, INRS-ETE, Quebec, Canada		
09:00-09:20	Plenary 5- Jonathan W. C. Wong, Hong Kong Baptist University, Hong Kong - <i>Biogenic Flocculant from Acidithiobacillusferoxidans for sludge dewatering and sewage treatment</i>		
09:20-09:40	Plenary 6- CN Ramchand, Saksin Life Sciences Pvt. Ltd. Chennai, San Francisco and MagGenome Technologies Pvt. Ltd., Cochin - <i>Waste disposal in pharmaceutical and biopharmaceuticals industries</i>		
09:40-10:00	Plenary 7 - Dinakar M. Salunke, International Centre for Genetic Engineering & Biotechnology, New Delhi - <i>Structural proteomics of plant seeds</i>		
10:00-10:30	Refreshments and Poster session 6 II		
10:30-12:10	Session IVA	Session IVB	Session IVC

	Topic – Industrial effluent treatment	Topic – Industrial bioprocesses and products development	Topic- Environmental bioengineering and ecology
	Chairs: Shailesh R. Dave, Gujarat University, Ahmedabad&BaskarGurunathan, St.Joseph's College of EngineeringChennai	Chairs: P Binod, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum &TulsiSatyanarayana, Netaji Subhas Institute of Technology, New Delhi	Chairs: M Sudhakara Reddy, Thapar Institute of Engineering & Technology University, Patiala &R Praveen Kumar, Arunai Engineering College, Thiruvannamalai
10:30-10:50	Raj Boopathy, Nicholls University, Thibodaux, USA-<i>Presence of sulfonamide and carbapenem resistance genes in a wastewater treatment plant</i>	Vijayanand S. Moholkar, Indian Institute of Technology, Guwahati -<i>Physical insight into ultrasound-assisted biodesulfurization using free and immobilized cells of RhodococcusrhodochrousMTCC 3552</i>	Cheng-Di Dong, National Kaohsiung Marine University, Kaohsiung, Taiwan-<i>Biochar from woody biomass supported magnetite nanoparticles for remediation of PAHs-contaminated marine sediments</i>
10:50-11:10	Yonghong Wu, Institute of Soil Science Chinese Academy of Sciences, Nanjing, China-<i>Synergistic role of titanium dioxide addition, extracellular polymeric substance and denitrifiers on enhanced nitrate removal from wastewater</i>	VikasPruthi, Indian Institute of Technology, Roorkee-<i>Boosting neutral lipid accumulation in oleaginous microbes utilizing waste and low cost medium as a feedstock for biodiesel production</i>	Sunita J. Varjani, Gujarat Pollution Control Board, Gandhinagar - <i>Biodegradation of petroleum hydrocarbon pollutants</i>
11:10-11:30	P. Mullai, Annamalai University, Annamalai Nagar- <i>Substrate removal kinetics of pharmaceutical wastewater using anaerobic hybrid multiphase reactor</i>	Sangeeta Negi, Motilal Nehru National Institute of Technology, Allahabad-<i>Enhanced production of hydroxylase through media engineering from grease waste</i>	NatesanManickam, CSIR-Indian Institute of Toxicology Research, Lucknow- <i>Feasible biotechnological solutions for bioremediation of persistent chemical wastes</i>
11:30-11:50	A Murugan, Periyar University, Salem- <i>Ellagic acid production from ellagi tannin of mango pulp processing industrial waste</i>	Carol SK Lin, City University, Hong Kong- <i>Transforming food and beverage wastes to high value-added products</i>	Srikanth Sandipam, Indian Oil Corporation Ltd, Faridabad- <i>Stack mode MFC operation for refinery wastewater treatment</i>
12:00-13:00	Lunch		
13:00-14:15	Poster session – II (cont.....)		
14:15-15:45	Session VA	Session VB	Session VC
	Topic – Anaerobic digestion	Topic – Industrial bioprocesses and products development	Topic- Plant Physiology and Biotechnology
	Chairs: Shekhar Mande, National Centre for Cell Science, Pune&Hemant J. Purohit, CSIR-National Environmental Engineering Research Institute, Nagpur	Chairs: V Arul, Pondicherry University, Pondicherry &Ram Sarup Singh, Punjabi University, Patiala	Chairs: Cheng-Di Dong, National Kaohsiung Marine University, Kaohsiung, Taiwan&RS Jayasomu, CSIR-NISCAIR, New Delhi
14:15-14:35	Hee-Deung Park, Architectural Engineering	Kisan M. Kodam, Savitribai Phule Pune	Sumit Gandhi, CSIR-Indian Institute of

	Korea University, Seoul, South Korea - <i>Direct interspecies electron transfer via conductive materials makes a step forward in anaerobic digestion</i>	University, Pune - <i>Assessment of hazardous impact of ionic liquids on diverse biological systems and their biodegradation</i>	Integrative Medicine, Jammu - <i>Analysis of plant cytochrome P450s: key players in biosynthesis of secondary metabolites and degradation of xenobiotics</i>
14:35-14:55	Samir Kumar Khanal, University of Hawaii, USA - <i>Anaerobic digestion process control via oxidation-reduction potential (ORP)-based micro-aeration</i>	Manoj K. Dhar, University of Jammu, Jammu - <i>Genetic modification in xylan biosynthesis for efficient production of biofuels</i>	SnehalLokhandwala' Shroff S R Rotary Institute of Chemical Technology, Bharuch - <i>Heavy metal Tolerance: A phytostabilization approach by Funneliformisgeosporum MBAL to alleviate heavy metal stress in soil</i>
14:55-15:15	Lena Breitenmoser, FHNW, Switzerland - <i>Methane potential from Indian urban biowaste: Insight from six communities in Maharashtra state</i>	V Vivekanand, Centre for Energy and Environment, Malaviya National Institute of Technology, Jaipur - <i>Improved bioconversion of straw to biogas: delignification effects of fungal pretreatment</i>	K. K. Krishnani, ICAR-National Institute of Abiotic Stress Management, Pune - <i>Agrowaste derived products for edaphic stresses synergizing with integrated farming</i>
15:20-17:00	<p>Plenary session III: Industry-Young Researchers Interaction Session: Education, Entrepreneurship and Livelihood vis-à-vis Business of Biotechnology and Sustainability Chair & Moderator- Dr. Raghendra Gaikawai, CMD, HTBS, Pune Presentation by Dr Onkar Tiwari, Department of Biotechnology (Govt of India), New Delhi</p> <p>Panelist- Dr Vivek Agrawal, CEO, CDC India, Jaipur Dr CN Ramchand, CMD, Saksin Life Sciences Pvt. Ltd. Chennai, San Francisco and MagGenome Technologies Pvt. Ltd., Cochin Er Sunil Kumar Sharma, Feedback Infra</p>		
17:00-17:45	Closing session (Poster awards, Announcement for venue of XV BRSI Convention, Thanks Giving)		
17:45-18:15	Refreshments		