

International Conference on

“Emerging Trends in Biotechnology for Waste Conversion (ETBWC) 2017”

XIV Annual Convention of The Biotech Research Society (BRSI), India

**Hosted
by
CSIR-NEERI, Nagpur
(8-10 October, 2017)**

International conference on “Emerging Trends in Biotechnology for Waste Conversion (ETBWC)” was held at Council of Scientific & Industrial Research - National Environmental Engineering Research Institute (CSIR-NEERI) Nagpur in association with Biotech Research Society of India (BRSI) during 8-10, October 2017. The major objectives of the conference were:

- To focus on recent developments in the frontier areas of Biotechnology;
- To bring together scientists, engineers and other experts across the world to deliberate on global developments in the fields of Recycling, Bio-fuels and Bio-products, Biotechnology for Waste Conversion, Nanotechnology Applications, Novel product Developments, Industrial Bioengineering, Greenhouse Gas Emissions, Biophysical Technologies;
- To provide a unique platform to the participants from industries and academic institutions to share their thoughts and views to develop possible linkages among them.
- To serve the purpose of global networking among scientists, research scholars and academicians in order to create a nucleus of interface research.



The conference was divided into several sessions viz., inaugural session, 7 plenary sessions and 21 technical sessions based on different themes which touched all the aspects and involvement of

various stakeholders in biotechnological interventions for waste conversions in India.

There were participations from 15 countries including 365 delegates with 318 Poster and 63 Oral presentations covering 53 invited speakers, and 8 plenary speakers.

The conference was inaugurated by a new tradition of 'E-diya Prajawalan'. The opening session was embraced by respected dignitaries' viz., Dr. Claude Gillies Dussap (Charter President, International Bioprocessing Association France), Prof. Christian Larroche (Director, Polytech Clermont Ferrand, University Clermont France), Prof. Tej P. Singh (President, BRSI and Sr. Scientist, Department of Biophysics, AIIMS-Delhi), Dr. Rakesh Kumar (Director, CSIR-NEERI), Dr. Ashok Pandey (Distinguished Scientist, CSIR-IITR) and Dr. Sunil Kumar (Sr. Scientist, CSIR-NEERI).



Dr. Rakesh Kumar Director, (CSIR-NEERI and Chief Patron of ETBWC 2017) welcomed all the guests that came from different parts of India and across the globe. Dr. Kumar in his welcome address informed about the background and legacy of CSIR-NEERI. He

emphasized more on sound bio-technologies to be applied in the field of Municipal Solid Waste so as to get value out of the waste.

Dr. Sunil Kumar Sr. Scientist, CSIR-NEERI and Organizing Secretary defined the entire symbiosis of the Conference. He mentioned that international conferences like this will focus on recent development on frontier areas like recycling, biofuels, and also in



novel product development. He also insisted that this Conference aims to bring scientist, engineers and research community on the same floor to achieve

the sustainable environmental goals. Prof. Tej P. Singh (President, BRSI and Sr. Scientist, Department of Biophysics, AIIMS-Delhi.) highlighted that BRSI opens the door for new ideas in the field of research and technology. He envisaged that concept of BRSI is to work together as a team in order to make the event as an international activity. Dr. Ashok Pandey, Distinguished Scientist, CSIR-IITR and Founder President of BRSI clarified the role of BRSI among the researchers. He insisted that grand platforms like this Conference will surely open new ways towards interactive and positive discussions which would help the young researchers and industries to work together for the betterment of the society.



The abstract book was also E-released by Dr. Claude Gillies Dussap (Charter President, International Bioprocessing Association France). The yearly BRSI meeting was also held at CSIR-NEERI for all the board members. The Yearbook of BRSI was also E-released by Prof. Christian Larroche, Universite

Clearmont Auvergne, Clermont Ferrand, France.

Other Eminent Members:

- Dr. C.N. Ramchand, Saksin Life Science Pvt. Ltd. Chennai, San Francisco and MagGenome Technologies Pvt.Ltd., Cochin
- Prof. Jonathan W.C. Wong, Hong Kong Baptist University, Hong Kong
- Dr. Alok Dhawan, CSIR-Indian Institute of Toxicology Research, Lucknow
- Dr. Duu-Jong Lee, National Taiwan University, Taipei, Taiwan
- Dr. Kanchugarakoppal S. Rangappa, University of Mysore, Mysore
- Prof. Datta Madamwar, Sardar Patel University
- Prof. José A. Teixeira, University of Minho, Braga, Portugal
- Dr. Ganti S. Murthy, Oregon State University, USA
- Prof. Indu Shekhar Thakur, Jawaharlal Nehru University, New Delhi
- Prof. Ajay Kumar, Oklahoma State University, USA



- Prof. Zengqiang Zhang, Northwest A&F University Yangling, China
- Prof. Ajay Kumar, Oklahoma State University, USA
- Dr. Dinakar M. Salunke, International Centre for Genetic Engineering & Biotechnology, New Delhi



- Dr. Shekhar Mande, National Centre for Cell Science, Pune and others.

The Poster session was inaugurated by Prof. Jonathan W.C. Wong, Hong Kong Baptist University, Hong Kong. During the technical, plenary and poster sessions, several eminent delegates had put forward their innovative ideas. Prof Christian Larrohe (University Clermont

Auvergne, Clermont Ferrand) talked about immersed membrane bioreactors: present status and new tools for their design.

Prof W.C. Jonathan Wong, Hong Kong Baptist University focused on the Biogenic flocculant from *Acidithiobacillus ferrooxidans* for sludge dewatering and sewage treatment. Prof Zengqiang Zhang, Northwest A & F University Yanling China emphasized



on the clean composting opportunities, approaches and challenges. Dr. Carol SK Lin, City University, Hong Kong explained how food and beverage wastes could be changed into high value added products.

The three days of conference witnessed several talks both at

national and International level in order to boost biotech business and sustainability of technical aspects in waste conversion.



The conference also featured an enticing cultural event of two days which aimed to show the diversity and beauty of India.

At the closing ceremony, all the members of Organizing Committee got 'Shield of Appreciation' from BRSI.

