

Awardees of the 7th International Symposium on Feedstock Recycling of Polymeric Materials



Oral presentation awardees

N. Ortuno, University of Alicante

Emissions from the Pyrolysis and Combustion of Different Wastes



I am very honored to receive the ISFR Award and would like to thank the Scientific Committee for finding our work worthy. Attending the ISFR conference provided us in-depth information about recent developments in the fields of waste plastic, e-waste and biomass conversion processes. I would also like to thank all the participants for their outstanding contributions and specially for the interesting discussions

about our research topics. Pyrolysis and combustion have always been considered as attractive alternatives for waste disposal, since these techniques provide a reduction in volume of waste and also involve profitable energetic and/or chemical products. However, in this work we highlight the fact that the substances emitted during non-controlled waste thermal degradation may create a serious hazard for human health and for the environment, therefore such processes must be controlled from an environmental point of view considering the pollutants, with special attention to PAHs and PCDD/Fs.

J. D. Fonseca, Tohoku University

Evaluation of the Dehydrochlorination of Polyvinyl Chloride in Steam Atmosphere



At first, I was very surprised to hear my name being called out during the awarding ceremony. I managed to hurriedly stand up and walk to the main stage where the other awarded participants stood in line. then I started feeling very happy as I was granted the award. To my sides stood other participants whose presentations and posters were the best, and I felt honored to be standing among them. The award serves not only as a commemoration of a great symposium, but also as a personal incentive to work harder and aim for higher goals. Thank you very much for this wonderful opportunity.

Zs. Czegeny, Research Centre for Natural Sciences

Pyrolysis of Wood-, Cellulose-, Lignin-PVC Mixtures



The International Symposium on Feedstock Recycling of Polymeric Materials (ISFR) held every two year is an outstanding occasion for leading researchers, engineers and other industrial experts of the field of polymer recycling to meet and share their knowledge, experience and opinion. The 7th ISFR held in New Delhi, India was my second opportunity to attend this event after Toledo in 2011. It is a great honor that the scientific committee in this year selected my presentation to be awarded; it is one of the greatest scientific honor I have ever received. Here I would like to thank for the organizers for all of their work and hospitality, and for the sponsors to support these events.

B. Balagurumurthy, CSIR-Indian Institute of Petroleum

Effect of Pressure and Temperature on the Hydropyrolysis of Cotton Residue



It is a matter of great pride and honour to receive the best oral presentation award at the 7th International Symposium of Feedstock Recycling of Polymeric Materials at India Habitat Centre, New Delhi, India. This was my debut presentation and receiving this award during my maiden experience has motivated me immensely and induced in me a sense of responsibility to keep working hard. During the symposium, I had the opportunity to interact with renowned scientists and industrialists from all over the world. I am now looking forward to collaborate with several of these eminent researchers and hope to keep winning such awards in my further presentations as well.

K. Amulya, CSIR-Indian Institute of Chemical Technology

Production of Bioplastics from Biological Wastewater Treatment: A Sustainable Approach



I am thankful to my guide, Dr. S.Venkata Mohan, who has given me immense support and encouragement to present my work on 'Bioplastics from Production of Bioplastics from Biological Wastewater Treatment: A sustainable approach' at an International level. I am privileged to have received the ISFR Award and would like to thank the Scientific Committee for finding our work worthy. ISFR conference was a wonderful

learning experience and the information on the extent of efforts our experienced and budding scientists are putting in the field of waste plastic recycling for generation of value added products is very much informative. Attending this event gave me profound knowledge and understanding on the recent advances in the fields of waste plastic, e-waste and biomass conversion processes which will certainly help me in my work, back in my laboratory. Pyrolysis and combustion have always been considered as one of the best techniques to dispose and reduce the amount of wastes. However, I am glad that we also discussed about the harmful effects of the materials discharged during the thermal degradation process that may imbalance our eco system. Finally, I would like to close my comments by congratulating all the participants from different parts of the world for their exceptional work and we all were pleased to meet the young and eminent scientists.”

M. K. Shukla, CSIR-Indian Institute of Petroleum

Prospects of 2,5-Dimethylfuran as a Fuel: Physico-chemical and Engine Performance Characteristics Evaluation



As a developing country energy demands of India are rising rapidly. Being a net importer of crude oil this has caused a lot of burden on economy of the nation. On the other side country is facing problems related to disposal of waste biomass and municipal wastes. Efforts to produce biofuels from agricultural feedstock have not succeeded in recent past. These factors have forced the researchers to look for new sustainable fuel

alternatives. 2-5 DMF with its physico-chemical properties somewhere between ethanol and gasoline sounded like an attractive choice. As 7th ISFR was not only focused on various processes for the valorisation of polymeric wastes but also was to bring together scientists, engineers and other industrial experts from the world to brainstorm on the recent developments in the fields of waste plastic, e-waste and biomass conversion processes, it was sensible to share our experience with 2-5 DMF as a fuel alternative with other groups so that a selective pathway of its economic production via waste biomass may be established. I am thankful to ISFR organizers for giving me opportunity to present my work and attain an opportunity of interactions with other researchers and inputs in order to understand logistics about going

ahead in this direction. Receiving the award of excellence for my presentation *Prospects of 2,5-Dimethylfuran as a Fuel: Physico-chemical and Engine Performance Characteristics Evaluation* would help us highlighting the scope and potential of 2-5 DMF as a fuel alternate and create more interests in other groups within the country and globally to explore and resolve challenges related to economic production of 2,5 DMF from waste. On behalf of our research group, I am thankful to ISFR organizing Committee from core of my heart for such a opportunity and recognition.

C. Lederer, University of Leoben

Development of an Upscalable Recycling Process for Polyolefins and other Post-Consumer Plastic Fractions via Solvent-based Depolymerization



I would like to thank the organizing committee and all helpers for organizing this very absorbing and stimulating conference. It was already a great honor and chance for me to present my research topic in front of this peer research group in polymer feedstock recycling. Then being even rewarded for my presentation set the icing on the cake of a wonderful experience throughout the whole time in a breath-taking city like New Delhi. I am very looking forward to a hopefully equally interesting and memorable symposium in my home country of Austria in two years.

Poster presentation awardees

S. Kumagai, Tohoku University

Simultaneous Recovery of Organic and Inorganic Materials by the Thermal Decomposition of Plastic-Metal Composites



I am very honored to be awarded with this prize. I would like to thank all the participants who showed their interest in our research, and for the fruitful discussions during the 7th ISFR 2013. My special thank goes to Prof. Yoshioka as my supervisor, who supported and encouraged me. This conference was very attractive to create the awareness of importance of feedstock recycling. Various techniques were presented, which contained not only excellent results but also a philosophy of presenter. Therefore, this conference gave me a good experience, motivation, and opportunity to re-consider what is important, needed in the future. I would like to continue putting effort on being active in the front line of this important research field, contributing to the development in recycling technology.

H. Itou, Chiba University, National Institute of Advanced Industrial Science and Technology
Recovery of Useful Materials from Thermoset Composite Materials by Liquefaction



I am honored to receive such a big prize. I would like to thank all people involved in this work. Especially, I am grateful Dr. Kamo and Prof. Nakagome who were supported and encouraged me during advancing this work. This is my first time to participate in an international symposium. It is precious experience for me to see a lot of interested work and listen various thought of many researchers. Thank you very much for giving me this opportunity. I hope to success next conference in

2013 in Austria and generate new environmentally friendly ideas.

A. H. Padmasri, Osmania University

Ni Supported on Modified CeO₂ for Steam Reforming of Bio-Glycerol for the Production of Hydrogen

