

# RECYCLING & WASTE MANAGEMENT

March 05-06, 2018 | London, UK

## Recycle the present, save the future

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Although plastic polymers require greater processing as compared to many other recyclables, plastic recycling has become an increasingly important sector of recycling and waste management. Plastic recycling is the process of recovering different types of plastic material in order to reprocess them into varied other products, unlike their original form. An item made out of plastic is recycled into a different product, which usually cannot be recycled again. Recycling plastic saves twice as much energy as burning it in an incinerator, saves carbon dioxide, land filling and incineration. Polyethylene terephthalate (PET) and Polyurethane are among the most widely used polymers in wide variety of applications all over the globe. Recycling of these offers numerous products which have potential to be

utilized in various industries including construction, insulation, coatings, composites etc to name a few.

### Speaker Biography

Anagha Sabnis has received her PhD in Paints Technology from University Department of Chemical Technology, University of Mumbai, in 2006. She worked in a reputed MNC for 2 and half years, before joining the same institute in 2008 as an Assistant Professor of Paint Technology in the Department of Polymer & Surface Engineering. Presently her research group consists of 4 PhD and 30 master students. Her research interests include polymer synthesis from renewable resources, water based binders, coatings, chemical recycling of polymer waste for coating and allied applications etc. She has over 30 publications that have been cited over 300 times, and her publication H-index is 10 and she has been serving as technical reviewer for reputed Journals in the field of polymer and coatings.

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