

Event report for the Chemical Feedstocks for Sustainable Industry

1 December 2023

London

The IPCG were proud co-organisers, alongside the AMCG and the Innovation Center for Applied Sustainable Technologies (iCAST), of the RSC event – Chemical Feedstocks for Sustainable Industry.

The event was an outstanding success in bringing together leading industrialists and academics to discuss the important topics of: Sustainable Chemicals from Biomass Residues, End-of-Life Plastic Recycling, and Oleochemicals.

Delegates included representatives from the well-known chemical companies:

- BASF
- BYK
- SYNGENTA
- HOBUM OLEOCHEMICALS
- PFIZER

as well as renowned academics from universities

- Oxford
- Manchester
- Kings College London
- Bath

Highlights from the event included:

- Review of mass balance approaches to delivering net zero in the chemical industry
- Strategic overview of available renewable raw materials for resin manufacture, as well as challenges for new renewable technologies
- APLEYARD LEE'S (sponsor) mapping of global patent trends in end-of-life plastics processing
- BYK's (sponsor) presentation of clay catalysts as potent B- & L-solid acid catalysts for use in processing bio-based feedstocks as well as in plastic pyrolysis
- Prof Matthew Jones' (University of Bath) discussion on the catalytic upgrading of polymers through chemical recycling

- Professor David Cole-Hamilton's (University of St Andrews) summary of an illustrious career delivering catalytic solutions to oleochemical processing
- Ryan Kerr's (University of Oxford) award winning poster – "The synthesis, mechanistic and property evaluation of poly(ester-alt-ethers) from commercial monomers and a Zr(IV) catalyst"

Pictures from the event at Royal Society of Chemistry's Burlington House



Clockwise from top left: Oscar Kelly (BYK) presenting sustainable applications of BYK's FULCAT acid clay catalysts; Miranda Lyndsay-Fynn (SONICHEM) presenting novel sonication technologies for processing biomass; Egidio D'Antona (POLESTAR) presenting POLESTAR's vision for producing the World's first net zero car.