

# UK- KSA WASTE-2-ENERGY MEETING

4 - 5 March 2024

Aston University, Birmingham, UK

## MEETING AGENDA

Event Location: Room 1A, Conference Aston, Aston University

4<sup>th</sup> MARCH 2024

9.00-9.10	Arrivals & Welcome		
9.10-9.20	Opening Remarks by Prof. Tony Dodd, Deputy Dean EPS	Aston University	
9.20-9.30	Project Overview by Dr Muhammad Imran	Aston University	
9.30-9.45	Aamir Farooq <i>Fuel screening and laser-based sensing for waste-to-energy applications</i>	KAUST, KSA	
9.45-10.00	Iain Mansell <i>West Midlands Innovation – Welcome to the Innovation Revolution</i>	WMCA , UK	<u>Session Chair</u> Muhammad Imran Aston University, UK
10.0 -10.15	Bassam Dally <i>High hydrogen syn-gas production from supercritical water gasification (SCWG) of mixed plastic waste</i>	KAUST, KSA	
10.15-10.30	Mark Sommerfeld <i>UK Energy Policy and The Development of the Energy from Waste Sector</i>	Renewable Energy Association, UK	
10.30-10.45	Coffee Break		
10.45-11.00	Paula Blanco-Sanchez <i>Biomass waste gasification to yield high-value products</i>	Aston University, UK	<u>Session Chair</u> Mark Sommerfeld Renewable Energy Association, UK
11.00-11.15	Simone Morra <i>Fermentative hydrogen production from waste biomass</i>	University of Nottingham, UK	
11.15-11.30	Vesna Najdanovic <i>Applications of green solvents</i>	Aston University, UK	
11.30-11.45	Sanjay Nagarajan <i>Hydrodynamic cavitation based biomass pre-treatment for enhancing biofuel yields</i>	University of Bath, UK	
11.45-12.00	Paul Knobbs <i>International Research Opportunities</i>	Aston University, UK	
12.00-12.30	Panel discussion <b>Sanjay Nagarajan, Simone Morra, Tim Miller, Aamir Farooq, Bassam Dally, Paul Knobbs</b>		
12.30-13.30	Lunch Break		
13.30-13.45	John Clealand <i>SIRC Applied Solutions Centre @ KAUST, Applying Holistic Solutions in Waste to Energy Deployment</i>	SIRC, KAUST Beacon Development, KSA	<u>Session Chair</u> Patricia Thornley Aston University, UK
13.45-14.00	Johnny Stuen <i>An overview of EfW technologies available, and the possibility to apply carbon capture to them</i>	Kanfagroup, Norway	
14.00-14.15	Katie Chong <i>EBRI Systems Analysis Group</i>	Aston University, UK	
14.15-15.00	Panel discussion <b>Taghred Alhazmi, John Clealand, Johnny Stuen, Katie Chong, Amana Bezanty, Jim Schubert (NEOM), Iain Mansell</b>		
15.00-15.15	Photo Session		
15.15-15.30	Coffee Break		
15.30-16.00	Tech Exhibition & Networking		
16.00-16.15	Alfred Fernandez <i>Upcycling cassava peel waste into bioplastics towards Net Zero</i>	Aston University, UK	<u>Session Chair</u> Abed Alaswad Aston University, UK
16.15-16.30	Mohammad H. Alotaibi <i>KACST efforts in waste management and recycling</i>	KACST, KSA	
16.30-16.45	Abul Hossain <i>Assessment of Pyrolysis Oil for Engine Application</i>	Aston University, UK	
16.45-17.30	Round Table Discussion <b>Action Plan for next steps, Exploration of Funding &amp; investment opportunities, collaboration opportunities, PhD opportunities</b>		

5<sup>th</sup> MARCH 2024

9.00-9.15	Adil Eltayeb Abdelnour - Remote Presentation <i>Technology selection to harness residual organic waste for bioenergy in Saudi Arabia</i>	Estidamah, KSA	<u>Session Chair</u> Paula Blanco-Sanchez Aston University, UK
9.15-9.30	Ainul Nadirah Izaharuddin <i>Gasification in Aluminium De-coating Process</i>	Aston University & Mechatherm, UK	
9.30 -9.45	Abdul Raheem <i>Biomass to coal-like hydrochar via hydrothermal carbonization</i>	Aston University, UK	
9.45-10.00	Afrah M. Aldossari <i>Plastic waste to hydrogen using advanced microwave technology</i>	KACST, KSA	
10.00-10.15	Daniel Jozef Nowakowski <i>Characterisation and valorisation of biomass-derived biochars</i>	Aston University, UK	
10.15-10.30	Closing Remarks - Aamir Farooq	KAUST. KSA	
10.30-10.45	Coffee Break		
10.45-12.00	EBRI lab & Plant Tour		
12. 00- 3.00	Lunch		
13.00-13.30	Travel to Cofton Nursery, Biochar Plant		<u>Coach Travel to Sites</u>
13.30-14.30	Biochar Plant Tour		
14.30-15.00	Travel to Sustainable Energy Centre		
15.00-16.30	Sustainable Energy Centre Tour		
16.30-17.00	Travel Back to conference Aston		
17.00-17.30	Tea / Coffee & Departures		