

## **Abstract submission template for invitees**

### **Title 12 Font Times New Roman bold**

Name of authors, Underline the name of Presenting Author- 12 Font Times New Roman normal

Affiliation – give names of department and institution, city, country, Email of presenting author -11 Font Times New Roman font

**Abstract** (maximum 250 words, 11 Font Times New Roman font)

Waste-to-wealth (w-2-w) and waste-to-energy (w-2-e) concept has gained much momentum in recent years, as on one hand, it offers unique opportunity to handle and dispose solid wastes (municipal waste as well as agro-industrial wastes) and simultaneously provides alternative sources of renewable energy. Solid waste treatment and management is a major issue worldwide. Several countries lack proper basic waste management infrastructure and awareness. Thus, waste-to-energy could be an attractive solution for resource recovery, which eventually offers potential benefits when works on the principles of biorefinery. A biorefinery is a facility that integrates biomass conversion processes and equipment to produce bio-products, including biofuels and chemicals. It is analogous to today's petroleum refinery. By producing several products, a biorefinery takes the advantages of various components present in the biomass and their intermediates, therefore maximizing the value derived from the biomass feedstock. They also help in complete or near-complete utilization of the feedstock and reduction in solid, liquid or gaseous wastes. Various wastes such as food wastes, agricultural/municipal solid wastes, etc. offer potential opportunities if used as feed stock for developing bio-based processes to produce value-added chemicals and fuels. Potential application of such wastes to produce liquid and gaseous biofuels and other products on principle of biorefineries has gained more attention for possibilities of bioethanol, biobutanol, biodiesel and other high-value chemicals production, coupled with industrial waste treatment. Two major pathways for these include thermo-chemical conversion and biochemical conversion. However, process integration is key for the techno-economic success.

**Keywords:** Provide 3-5 five keywords (separated by commas, Times New Roman 11 font)

### **Brief Bio-sketch**

Photo (head shot only)	Brief CV (11 Font Times New Roman, maximum 150 words)
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