

**Clariant Chemistry Day Basel 2018**

Poster abstract

Plasma Technology

**AN ENABLER FOR WASTE-TO-VALUE CONCEPTS IN CIRCULAR ECONOMY**

C. Dreiser, S. Brand, O. Wachsen, Group Process Technology, Clariant

With a strong focus on sustainability, Clariant is developing novel technologies for renewables processing, zero waste production and Circular Economy concepts. The application of plasma technology in gasification enables both the valorization of chemical waste and the use of renewable energy sources to drive the process. The presented concept and research results reveal the high potential as a tolerant process to handle various feedstocks for efficient material use. The application of the concept in a cross-sectorial environment gives a future perspective on gaining Circular Economy.