

Co-Digestion of Organic Waste on Wastewater Treatment Plants and Biogas Plants

Prof. Dr.-Ing. Juergen Wiese, University of Applied Sciences Magdeburg-Stendal, Department of Water, Environment, Construction and Safety, Professor for Urban Water Management - Wastewater, Breitscheid-str. 2, 39114 Magdeburg, Germany, Phone: 0049-391-8864-373, E-Mail: juergen.wiese@hs-magdeburg.de

People all over the world are producing large amounts of organic waste (e.g., municipal organic waste, left overs from food production, sewage sludge) and renewable energy crops (e.g., grass, maize), which can be used to produce biogas as well as liquid and solid fertilizers by using anaerobic treatment. Therefore, different types of reactors (e.g., CSTR, plug-flow reactors), stirrers, pretreatment and feeding systems, energy conservation techniques (e.g., central heat-power generation units, biogas purification units) and control strategies have been developed during the last decades. The lecture will give an overview about these topics.