

ICSWHK2023 DISTINGUISHED TALKS



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Biochar Production and Application



Prof. Hailong Wang

Pristine and Modified Biochars Derived from Urban Green Waste for Remediation of Contaminated Environments

Prof. Dan Tsang

Green Technology with Biochar for Waste Recycling and Carbon Reduction



Prof. Dong-Jin Kim

Phosphate Adsorption of Mg and Ca-Biochar and its P Bioavailability

Prof. Qiyong Xu

Evaluation of Digestate-derived biochar on Humidification and in-situ odor Reduction during food waste digestate composting



Prof. Yaoyu Zhou

Magnetic ball-milled red mud@peanut seedling straw biochar as hydrogen peroxide activator for degradation of tetracycline



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Prof. Klaus Fricke

Enhanced Landfill Mining – Technologies, Products and Costs



Prof. Rainer Stegmann

Landfill In-situ Aeration and Improvement of Landfill Gas Extraction Systems- Ways to pollution control and climate protection



Dr. Hubert Baier

Pre- and co-processing of tailor-made alternative fuel

Anaerobic Digestion and Fermentation



Prof. Samir Kumar Khanal

Anaerobic co-digestion and machine learning



Prof. H el ene Carrere

Pretreatments of Organic Substrates and their Indigenous Bacteria for Dark Fermentation



Prof. Yanling Cheng

Fermentation of Food Waste for the Production of Clean Energy and Biofertilizer



Prof. Jun Zhou

Enhancing corn stalk and swine manure co-methanogenesis via a pulse-bioelectric stimulation in a mesophilic and thermophilic anaerobic digester



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Prof. Roger Ruan

Catalytic microwave-assisted pyrolysis of organic solid waste for fuels, chemicals, and materials production



Prof. Qunxing Huang

Novel step pyrolysis technology for recovery valuable products from waste tires

Composting of Organic Waste



Prof. Ji Li

Different Composting Technologies and Raw Materials Induced Microbial Dynamics and Core Microbiomes



Prof. Zengqiang Zhang

Nitrogen transformation during pig manure composting



Prof. Sandhya Babel

Microplastics Contamination in Compost Produced from Food Waste



Dr. Balasubramani Ravindran

Dynamics of nutrients and gaseous emissions during co-composting of food waste and Poultry manure with different amendments