

VENICE 2024

25-27 NOVEMBER 2024
HOTEL MONACO & GRAN CANAL
VENICE, ITALY

**10TH INTERNATIONAL
SYMPOSIUM ON ENERGY
FROM BIOMASS AND WASTE**

**SYMPOSIUM GUIDEBOOK / PROGRAMME,
USEFUL INFO, SOCIAL EVENTS, NOTEBOOK**

WEDNESDAY NOVEMBER 27

MORNING

SESSION A7 / SALONE DEL RIDOTTO / 10:30-11:30

RESOURCES RECOVERY FROM INDUSTRIAL AND COMMERCIAL WASTE

Chair / Presidente:

P.T. Triwigati, S. Noh, S. Moon, E. Kim, Y. Park (KR)

Waste to Resource: feasibility study on ligand-based pH swing process for selective recovery of manganese and calcium carbonate from steel slag

K. Shu, C. Chuaicham, K. Sasaki (JP)

Photocatalytic H₂ evolution on TiO₂/Fe-doped hydroxyapatite derived from converter slag

H.N. Ly, W.R. Lee, S. Kim (KR)

Advanced indoor air treatment: tungsten-doped titanium dioxide nanohybrids for photocatalytic toluene removal

X. Lü, T. Lu (FI)

Waste heat potentials from liquid cooled data centres for sustainable building heating solutions

SESSION B7 / CORTE ROOM / 10:30-11:30

ANAEROBIC DIGESTION: PROCESS ENHANCEMENT

Chair / Presidente: R. Stegmann (DE)

J.W.C. Wong, L. Luo (HK)

Regulation of acidogenic fermentation through exogenous additives for promoting carbon conversion of food waste in two-phase anaerobic system

J.H. Lee, J.Y. Choi, J.H. Lee, D.Y. Kim, E. Lee, K.Y. Park (KR)

Impact of sonication pretreatment on phosphorus release and adsorption from livestock manure anaerobic digestate

J. Kim, J. Y. Kim (KR)

Mitigating calcium inhibition in organic sludge digestion through CO₂ injection

Z. Shi, P. He, J. Guo, W. Peng, H. Zhang, F. Lü (CN)

The impact of mechanical pretreatment system on carbon reduction: A field study of an industrial-scale biogas plant in China