Session 6-2: Student's Poster Presentation (Parallel Session)		
15:15 – 17:00		
• **Process Innovation & Digital Transformation**		
	Red Mud as a Low-Cost sorbent for Sulfur Removal and COS Decomposition: A Theoretical and Experimental Study	Gayeong Kim (YNU)
	Fundamental Understanding of NiO Reactivity as an Oxygen Carrier in Chemical Looping Combustion	Chaerin Son (YNU)
	Enabling Uniform Microstructure of Dry Electrode via Pre-kneading Process	Taehyeong Kim (YNU)
	Facile Wet-Chemical Fabrication of Dye-Sensitized Fluorine-Doped TiO_2/WO_3 Heterostructured Photoanodes for Enhanced Photoelectrochemical Water Splitting Performance	Ohjun Kwon (YNU)
	Understanding Surfactant Monolayers on Fe (110) for Effective Corrosion Inhibition	Sitthikiat Boonchoo (CU)
• **Emerging Trends in Biotechnology**		
	An Innovative Nanogel-Emulsion System with Enhanced Stability and Route Flexibility for Hydrophobic Drug Delivery	Chongzhi Chen (KU)
	Construction of library aimed at optimizing artificial hydrolytic enzymes	Masayuki Ota (KU)
	Inhibition of Staphylococcus aureus Biofilms and Virulence by Multi-Halogenated Pyrimidins	Minhwi Sim (YNU)
	Production of High-Concentration Alginate Microspheres via Osmosis-Induced Concentration of Double Emulsions	Suhwa Son (YNU)
	Buckling-Controlled Payload Release from Architected Asymmetric Microcapsules	Hyojin Kim (YNU)
	Hydrogel Microspheres with Color-Coded Multicompartmental Structure for Multiplexed Bioassays	Jihyeon Kim (YNU)
	Isolation, Purification, and Characterization of Carbonic Anhydrase from Caulerpa lentillifera (Sea Grapes): Evaluating Its Effectiveness in CO_2 Sequestration	Kattariya Srasamran (CU)
• **Sustainable Energy and Environmental Technologies**		
	Redispersion of metal agglomerates using mechanochemistry for recyclable catalysts	Yuta Nishihara (KU)
	Molecular designing Spiro-based Hole Transport Materials for Sustainable and	Donghwan Kim (YNU)