

**[TS12F6]****Sustainable Process and Nanomaterials 2**

<b>Date &amp; Time</b>	July 5(Fri.), 2024 / 09:00-10:30
<b>Place</b>	Room 209A
<b>Session Chair(s)</b>	Uk Sim (KENTECH)

**TS12F6\_I\_1 \*Invited 09:00-09:30****Core-Shell Structured Mixed Metal Oxide Nanoclusters for Electrocatalytic Applications**

Chan Woo Lee

*(Kookmin University)***TS12F6\_I\_2 \*Invited 09:30-10:00****Catalytic Applications of Water-Soluble Pd Nanoparticles for Sustainable Organic Transformations**

Jan Farag, Ragaa Khalil, Edwin Avila, and Young-Seok Shon

*(California State University Long Beach)***TS12F6\_O\_3 10:00-10:15****Alkaline Seawater Electrolysis: An Unpredicted Dynamic Evolution of Molybdenum in Ni-MoN@NF Electrocatalyst**Shivraj Mahadik<sup>1</sup>, Subramani Surendran<sup>2</sup>, Tae-Hoon Kim<sup>1</sup>, and Uk Sim<sup>2,3</sup>*(<sup>1</sup>Chonnam National University, <sup>2</sup>KENTECH, <sup>3</sup>NEEL Sciences)***TS12F6\_O\_4 10:15-10:30****Efficient Urea Oxidation with Fe Integrated Cu-Based Heterostructure Electrocatalyst: A Sustainable Alternative for Improved H<sub>2</sub> Production**Krishnan Veeramani<sup>1</sup>, Subramani Surendran<sup>2</sup>, Tae-Hoon Kim<sup>1</sup>, and Uk Sim<sup>2,3</sup>*(<sup>1</sup>Chonnam National University, <sup>2</sup>KENTECH, <sup>3</sup>NEEL Sciences)*