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# *Scientific Program*

5<sup>th</sup> World Congress on

## **CATALYSIS AND CHEMICAL ENGINEERING**

September 05-06, 2018 Tokyo, Japan



**Hosting Organization: Conference Series LLC LTD**

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09:00-09:25 Registrations

Guest Salon

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09:25-09:30

Opening Ceremony

**Keynote Forum**

09:30-10:20 **Title: Experimental study on diffusion combustion of high-speed hydrogen round microjets. Part 1: Attach flame in subsonic flow**

V V Kozlov, Novosibirsk State University, Russia

10:20-11:10 **Title: Metal oxides composites for use as photocatalysts**

Sukon Phanichphant, Chiang Mai University, Thailand

**Group Photo**

Networking & Refreshment Break: 11:10-11:30

**Sessions:**

Heterogenous Catalysis | Environmental Catalysis and Green Chemistry | Chemical Engineering | Petrochemical Engineering

**Session Introduction**

Session Chair: V V Kozlov, Novosibirsk State University, Russia

11:30-12:00 **Title: Synergy of N-doped TiO<sub>2</sub> and visible LED irradiation in peroxymonosulfate activation: Application to monuron decay and reaction kinetics**

Amal Abdelhaleem, The Hong Kong Polytechnic University, Hong Kong

12:00-12:30 **Title: The photocatalytic degradation of monuron in the N-doped TiO<sub>2</sub>/Oxone/visible LED process: Mineralization and quantification of reaction intermediates**

Amal Abdelhaleem, The Hong Kong Polytechnic University, Hong Kong

12:30-13:00 **Title: Effect of adding porcelain on properties of porous ceramic based on Electromelted Corundum (EMC)**

Zaw Ye Maw Oo, D. Mendeleev University of Chemical Technology of Russia, Russia

Lunch Break: 13:00-14:00 @ California Restaurant

14:00-14:30 **Title: Direct hydrogenation of carbon dioxide into light olefins over ZnO-Y<sub>2</sub>O<sub>3</sub> + SAPO-34 bifunctional catalysts**

Tie Yu, Dalian Institute of Chemical Physics, China

14:30-15:00 **Title: Influence of ZnO promoter on physicochemical and activity profile of novel carbon nanofibers based Cu-ZrO<sub>2</sub> catalysts for CO<sub>2</sub> hydrogenation to methanol**

Israaf Ud Din, Kohat University of Science and Technology, Pakistan

Networking & Refreshment Break: 15:00-15:20

**Poster Presentations**

CCE01 **Title: Modeling of 1,4-Naphthoquinone derivatives solubility in supercritical carbon dioxide with a density-based correlation and molecular connectivity indices**

Juan C de la Fuente, Universidad Técnica Federico Santa María, Chile

CCE02 **Title: High performance phosphite ligands containing various numbers of structural units for n-Regioselective hydroformylation of olefins**

Baoxin Zhang, Leibniz Institute for Catalysis, Germany

CCE03 **Title: Visible-light-assisted peroxymonosulfate activation and novel mechanism for degradation of contaminants over g-C<sub>3</sub>N<sub>4</sub> coordinating with iron (II) phthalocyanine catalyst**

Tiefeng Xu, Zhejiang Sci-Tech University, China

CCE04 **Title: Increases of the polyphenols concentration in the aqueous phase of the olive oil wastes by biocatalysis**

Carlos Zambra, University of Talca, Chile

- CCE05** Title: **A new type of amino amide organocatalyzed enantioselective crossed aldol reaction of ketones with aromatic aldehydes**  
Isiaka A Owolabi, Muroran Institute of Technology, Japan
- CCE06** Title: **Enzyme-catalyzed synthesis of sugar esters in glucose-based deep eutectic solvents with high pressure CO<sub>2</sub>**  
Dong-Woo Shin, Inha University, Korea
- CCE07** Title: **Deoxygenation reaction by immobilized ionic liquid catalyst**  
Chul Shin, Inha University, Korea

**Panel Discussions**

**Awards and Closing Ceremony**

**Day 2: September 06, 2018**

**B2B Meetings**

Networking & Lunch Break: 12:00-13:00 @ California Restaurant

