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Editorial

Preface of the 3rd International Electronic Conference on Processes (ECP 2024) †

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The 3rd International Electronic Conference on Processes—Green and Sustainable Process Engineering and Process Systems Engineering (ECP 2024) was hosted online from 29 to 31 May 2024.

This conference presented the latest studies in process/system-related research in chemistry, biology, material, energy, environment, food, and engineering fields. The goal was to show the current state, challenges, and opportunities and future trends in process systems engineering.

A large number of processes/system-related scientists and researchers joined this event and shared their findings around the following general and related themes, including, but not limited to, the following:

- Green chemistry engineering and environment-relevant processes;
- Experimental, theoretical, and computational research on process development and engineering;
- Process modeling, simulation, optimization, and control;
- Food-relevant processing and improvement of food quality;
- Sustainable and renewable systems engineering;
- Energy system and current demand and electricity market;
- Supply chain management;
- Circular economies;
- Eco-friendly processes and methods.

The conference included the following five sessions:

S1. Environmental and Green Processes;
S2. Energy Systems;
S3. Food Processes;
S4. Chemical Processes and Systems;
S5. Process Control and Monitoring.

In these sessions, the following invited speakers presented insights into recent developments and future prospects:

- Prof. Dr. Chao-Hui Feng, Kitami Institute of Technology, Japan, "Assessing the quality of sausage stuffed with modified casing containing waste citrus peel extracts using response surface methodology and hyperspectral imaging".
- Prof. Dr. Enrico Marsili, University of Nottingham Ningbo, China, "Biopolymer production in electroactive biofilms".
- Dr. Manuel Félix Ángel, Universidad de Sevilla, Spain, "Potential uses of waste and by-products from the red crayfish industry".
- Prof. Dani Dordevic, University of Veterinary and Pharmaceutical Sciences, Czech Republic, "Environmentally friendly production of edible or biodegradable packaging".

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- Dr. He Limo, Huazhong University of Science and Technology, China, "Catalytic reforming of biomass tar over Ni catalysts for co-production of hydrogen and carbon nanotubes".
- Dr. Gergely Kali, University of Innsbruck, Austria, "Thiolated polysaccharides: synthesis possibilities and applications".
- Dr. Carlos Sierra Fernández, University of León, Spain, "Optimizing Concentration Conditions through Attributive Analysis".
- Dr. Chunhui Zhao, Zhejiang University, China, "Theoretical exploration and practice of industrial process fault diagnosis based on zero sample learning".
- Dr. George Bollas, University of Connecticut, USA, "Distributed Ammonia Synthesis through a Chemical Looping Process".
- Dr. Nikolaos Diangelakis, Technical University of Crete, Greece, "Robust (explicit) Optimization and Control via Mixed-Integer Programming".
- Dr. Xue Yong, University of Liverpool, UK, "Bi-Layer Single Atom Catalysts Boosted Nitrate-to-Ammonia Electroreduction with High Activity and Selectivity".

Conflicts of Interest: The author declares no conflicts of interest.