

Editorial

Preface of the 2nd International Electronic Conference on Processes (ECP 2023) [†]

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The 2nd International Electronic Conference on Processes: Process Engineering—Current State and Future Trends (ECP 2023) was hosted online from 17 to 31 May 2023.

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

Plenty of process/systems-related scientists and researchers joined this event and shared their findings around the following general and related themes including, but not limited to:

- Green chemistry engineering and relevant environmental 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 economy;
- Eco-friendly processes and methods.

The conference contains five sessions: S1. Environmental and Green Processes; S2. Energy Systems; S3. Food Processes; S4. Chemical Processes and Systems; S5. Particle processes. In these sessions, the following invited speakers presented insights into recent developments and future prospects:

- Prof. Dr. Dariusz Dziki, University of Life Sciences in Lublin, Poland, “Current Trends in Wheat Flour Milling”.
- Prof. Dr. Tom Van Gerven, KU Leuven, Belgium, “The Use of Ultrasound in the Transition to Flow Processes”.
- Prof. Shuyi Li, Wuhan Polytechnic University, China, “Impact of Physical Field Treatment on the Extraction and Interaction of Food Components”.
- Prof. Dr. Robert J. Meier, North-Rhine Westphalia consultant, Germany, “The Enthalpy of Formation of Organic Compounds with “Chemical Accuracy” - Challenging the limits of the GC method”.



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