



نقابة المهندسين الأردنيين  
Jordan Engineers Association

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الموضوع مؤتمر الهندسة الكيميائية الاردني الدولي التاسع



## The Hybrid 9<sup>th</sup> Jordan International Chemical Engineering Conference

ISBN: 2020/3/1033 | ISSN: 2707-7942

Oct 12 - 14, 2021, Amman - Jordan



نقابة المهندسين الأردنيين  
Jordan Engineers Association  
شعبة الهندسة الكيميائية  
Chemical Engineering Division

### About the conference

Jordan International Chemical Engineering Conference (JICHEC) series began in 1993 in Amman, Jordan. Ever since, an international edition of the JICHEC series has been held every three years, supported by the Jordanian Engineers Association.

The aim of JICHEC series is to feature the latest release in the world of chemical and process engineering, bringing together scientists, researchers, industry stakeholders, and investors to exchange experiences and challenges. From the very beginning, JICHEC conferences have involved participants from the Arab and Middle East countries in addition to many European, Asian, and North and South American countries.

Based on our long experience, and with the support of the prestigious sponsoring journals, the diversity of historical and touristic attractions in Jordan, as well as the hospitality of the Jordanian people, we are optimistic to reach more than 500 participants from all continents in JICHEC09.

Of course, the social program has always been rich in different activities and visits to many historical and touristic places in Jordan such as Petra, Wadi Rum, Jerash and Ajloun. The JICHEC09 social committee will do their best to ensure that your stay in Jordan will meet your expectations.

Fortunately, in this issue, JICHEC09 will have five international journals in chemical engineering and related engineering applications that will publish special issues for some selected papers submitted to the conference, encouraging local and international scientists and researchers to participate.

### Conference Topics

- 1 **Heat and mass Transfer in Chemical Process**
  - Heat and mass transfer process intensification
  - Heat and mass transfer in multiphase processes
  - Heat and mass transfer in porous media
  - Development of new insulating materials
- 2 **Biochemical Engineering and Biotechnology**
  - New applications of biocatalysts
  - Biotreatment and biodegradation
  - New biochemical products, antibiotics, food and others
  - Biomass utilization
- 3 **Nanotechnology Applications in Chemical Engineering**
  - Nanoparticles and catalysts
  - Nanomembranes
  - Carbon nanotubes
  - Nanofluids
  - Functional films and nanostructures
- 4 **Sustainable Environmental Management**
  - Sustainable wastewater treatment processes, reuse, purification, and hygiene
  - Solid waste management
  - Pollution control and prevention
  - Gas emission management
  - Carbon dioxide capture
  - Environmental standards
- 5 **Chemical Process Modeling, Simulation and Control**
  - Computer applications in chemical engineering
  - Continuous process design and optimization
  - Process dynamic and controls
- 6 **Potentials and Challenges of Local Industries**
  - Potash and Bromine
  - Phosphate
  - Multi-component fertilizers
  - Cement
  - Detergents and cosmetics
  - Food industry
  - Pharmaceuticals
  - Other industries
- 7 **Energy First: Renewable Energy and Conventional Resources for Chemical Industries**
  - Fuel cells
  - Bio energy wastes as fuel resources
  - Photocatalysts
  - Solar cells and solar powered technologies
  - Oil shale
  - Fossil fuels
- 8 **Chemical engineering kinetics and process control**
  - Chemical reactors and reaction kinetics, and phenomena
  - Catalysis
  - Reactor design
- 9 **Chemical Engineering and the Dead Sea: the Chemically Live Sea**
  - Extraction of new minerals
  - Dead Sea industry and renewable energy
  - Sequestration of CO<sub>2</sub> and other gases in the Dead Sea
  - The impact of environmental changes on Dead Sea industry
  - Dead Sea sustainability
- 10 **Desalination and Sustainable Water Treatment**
  - Drinking water desalination
  - Grey water treatment processes
  - Combined wastewater treatment processes
  - Industrial waste water treatment processes
- 11 **Chemical Process Safety**
  - Managing process safety hazards
  - Hazard identification and chemical risk management
  - Risk based process safety
  - Dust explosions control
  - Runaway chemical reactions control
  - Chemical reactivity management
  - Inherent safer engineering design
  - Layer of protection on analysis
  - Dispersion of toxic and flammable analysis
- 12 **General Chemical Engineering**
  - Active learning
  - Team working
  - New opportunities for students and young researchers in chemical engineering
  - Engineering program accreditation
  - E-learning
  - New methods for education
  - Scale up and scale down approaches
  - Energy systems integration
  - The smart chemical plant
  - Process intensification
  - Composite materials
  - Biodegradable polymers
  - Conductive polymers
  - New polymerization processes
  - Any topic in Chemical Engineering

### Important Dates

Abstract submission deadline	July 22, 2021
Notification of abstract acceptance	July 29, 2021
Full paper submission deadline	August 15, 2021
Notification of paper acceptance	August 25, 2021
Revised paper submission deadline	September 01, 2021

### Submission

The submitted manuscripts are two categories:  
1- The first one which is submitted to be published in the conference proceeding after a peer review process.

2- The second category includes the manuscripts which are submitted to be published in the sponsored journals. These manuscripts will be reviewed by those journals after a revision by the conference scientific committee.

All submitted manuscripts should fulfill the requirements and format of the conference proceeding or the journal submitted for.  
Submit paper: [http://bit.ly/JICHEC\\_Submitpaper](http://bit.ly/JICHEC_Submitpaper)

### Partner Scientific Journals

- 1- **Science of the Total Environment**
  - <https://www.journals.elsevier.com/science-of-the-total-environment/>
  - ISSN: 0948-8697
  - Impact factor: 6.551
- 2- **The Canadian Journal of Chemical Engineering**
  - <http://www.cheminst.ca/journal/>
  - ISSN: 1939-019X
  - Impact factor: 1.687
- 3- **Arabian Journal for Science and Engineering**
  - <https://www.springer.com/journal/13369>
  - ISSN: 2193-567X
  - Impact factor: 1.711
- 4- **Desalination and Water Treatment**
  - <https://www.deswater.com/home.asp>
  - ISSN: 1944-3994
  - Impact factor: 1.320
- 5- **Jordanian Journal of Engineering and Chemical Industries**
  - <http://jjecei.net/about-the-journal/>
  - ISSN: 2616-9584

### Registration Fees

Type of participation	Online	Actual
JEA Member (Attendees & Authors)	50 \$	150 \$
Non - JEA Members (Attendees & Authors)	50 \$	200 \$
Students	Free	30 \$

Registration fees usually include conference materials, opening banquet, coffee breaks and lunches.

Deadline for registration for submission: August 01, 2021

The registration fees are not refundable.

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Contact Us

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