

University M'sila Mohamed Boudiaf

Faculty of Science

Department of Chemistry

Laboratory of Organo-Therapeutic Substances and Sustainable Processes (OTSSPL)



Organize



*1st International Hybrid Seminar:
Green Chemistry and Artificial Intelligence:
Towards Molecular Design*

GCAITMD'25

21- 22

October 2025

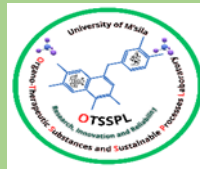
M'sila - Algeria

CONTEXT AND OBJECTIVES

We are pleased to announce the First International Hybrid Seminar (GCAITMD'25): Green Chemistry and Artificial Intelligence: Towards Molecular Design (GCAITMD'25), organized by the Laboratory of Organo-Therapeutic Substances and Sustainable Processes (LOTSSP), Department of Chemistry, Faculty of Science, Mohamed Boudiaf University - M'sila. This international seminar offers the scientific community an excellent opportunity to exchange ideas and experiences, guide doctoral students in their academic and research journeys, and establish or strengthen collaborations with national and/or international research institutes, as well as with Algerian and foreign universities and the industrial sector. The ultimate aim is to foster the development of new scientific research initiatives. The event will cover a broad spectrum of topics in chemistry, ranging from semi-synthetic materials and organic synthesis to environmental engineering, medicinal chemistry, pharmaceutical chemistry, natural bioactive compounds, and macromolecules (polymers/biopolymers). This two-day international seminar also aims to disseminate applied research findings in the fields of pharmaceutical chemistry and sustainable development, highlighting their relevance to the advancement of medical science. A key focus will be on exploring the potential of artificial intelligence to promote sustainable development across various industrial sectors, particularly within the chemical and pharmaceutical industries.

THE ROLE OF ARTIFICIAL INTELLIGENCE IN CHEMICAL RESEARCH

Artificial intelligence is revolutionizing the field of chemistry by enabling the design of molecules with targeted properties. It optimizes the development of advanced drugs and materials through predictive modeling and the analysis of large datasets, thereby accelerating discoveries, reducing experimental costs, and driving innovation in molecular sciences.



MAIN TOPICS



- **Topic 01:** Green Chemistry, Organic Synthesis, and Molecular Modeling (organic/bio-organic synthesis and phytochemistry)
- **Topic 02:** Molecular Systems (polymer/biopolymer), Sustainable Development, Health, and the Role of Artificial Intelligence in Sustainability
- **Topic 03:** Nanomaterials and Nanostructures for Energy and Environmental Applications
- **Topic 04:** Valorization of Natural and Renewable Resources and Materials (bioprocesses and catalytic processes)
- **Topic 05:** Applications of Artificial Intelligence in Molecular Design in Chemistry

Honorary Chairs

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(Rector, University of M'sila)

Prof. BOUNAR Rabah
(Dean of the faculty of sciences, University of M'sila)

Conference Chair

Dr . BOULEGHLEM Hocine (Univ. M'sila)
Director of the Laboratory of Organo-Therapeutic Substances and Sustainable Processes (OTSSPL)

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PhD student: Fatima Gherbaoui, Univ Bordj Bou Arreridj-Algérie

Dr. Cheikh MOKRANI, Univ M'sila- Algérie (رحمه الله)

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Dr. Mounira ARIECH
PhD student. Fatima GHERBAOUI

KEY DATES

Deadline for abstract submission.....July 15th, 2025
Acceptance NotificationAugust 15th, 2025
Confirmation of participation.....September 15th, 2025
GCAITMD'25 Dates.....October 21st- 22nd, 2025

REGISTRATION FEES

PhD Student	6 000 DA
Academic Researchers	10000 DA
Industrialists	20 000 DA
International Researchers	200 euro
Stands	30 000 DA

- Registration fees include:
- Welcome reception
 - Oral and poster presentation sessions
 - Access to all conference sessions
 - Conference materials and documentation
 - Coffee breaks and lunch on days (Oct,21 & 22, 2025)
 - Certificate of attendance, signed by the conference president

SUBMISSION OF ABSTRACTS

<https://gcaitmd2025.tiiny.site/>

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