



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي والبحث العلمي

People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
Mohamed Khider University of Biskra  
Faculty of Science and Technology  
Department of Mechanical Engineering  
Organizes



## The Fifth National Metallurgy Day

**Monday, December 8, 2025**

This Fifth Metallurgy Day will once again be a scientific gathering allowing Algerian researchers to present their scientific work and exchange ideas in the various fields of metallurgy.

**Topics: Presentations should be related to the following themes:**

- Metal and alloy processing,
- Heat treatment of metals,
- Metal corrosion,
- Metal surface treatment,
- Metal forming,
- Metal welding,
- Metal casting,
- Metal waste recycling



### Organisation committee

Dr. Messaoudi Salim  
Dr. Lemmadi Fatima Zohra  
Dr. Djellab Mounir  
Dr. Beggar Abdelhakim  
Dr. Ouannes Karima  
Dr. Benzine Haroune Rachid  
Dr. Djimaoui Toufik  
Dr. Dekhili Nour El-Houda  
Dr. Baya Mellik  
Dr. Benchouia Said  
PhD and Master's students in the field of metallurgy

### Scientific Committee

Pr. Bradai Djamel, USTHB Algiers  
Pr. Bentrah Hamza, University of Biskra  
Pr. Boumerzoug Zakaria, University of Biskra  
Pr. Ayad Abdelhak, University of Constantine 3  
Pr. Redjaimia Abdelkrim, University of Lorraine, France

### Scientific Program

8:30 AM - **Opening Ceremony**

9:00 AM - Plenary Lecture by Professor Emeritus **Abdelkrim Redjaimia**, University of Lorraine, France (20 minutes for presentation + 10 minutes for discussion): **High-Entropy Metallic Alloys**

9:30 AM - Plenary Lecture by Professor **Djamel Bradai**, USTHB Algiers (30 minutes for presentation + 10-minutes for discussion): **Synchrotron Radiation, Principle, and Its Application to Metallurgy**

10:10 AM - Coffee Break

10:30 AM - Plenary Lecture by Professor **Abdelhak Ayad**, University of Constantine 3 (30 minutes for presentation + 10 minutes for discussion): **X-ray Diffraction and Residual Stresses in Metals**

11:10 AM - Plenary Lecture by Professor Emeritus **Abdelkrim Redjaimia**, University of Lorraine, France (30 minutes for presentation + 10 minutes for discussion): **Transmission Electron Microscopy: Principles, and Its Applications to Metallurgy**

2:00 PM - **Poster Session**

3:00 PM – **Written Test** focusing on the content of plenary presentations

4:15 PM - **Closing Ceremony**



Participants wishing to present a poster are asked to send, before **November 30, 2025**, a **two-page abstract** containing their main results (see attached template) and a **registration form**. The address is as follows: [jnmbiskra2022@gmail.com](mailto:jnmbiskra2022@gmail.com)

The chairman of the organizing committee: Pr. Boumerzoug Zakaria