Ministry of Higher Education and Scientific Research

Mohamed Chérif Messaadia University, Souk Ahras

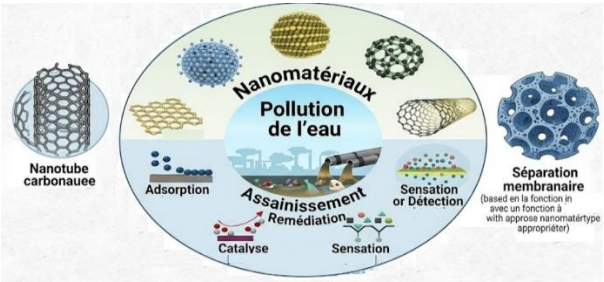
Faculty of Sciences and Technology

Laboratory of science and technical of water and environment

Organizes on November 10, 2026

A study day on :

Nanoparticules and water treatment: *Advanced, applications and perspectives.* *NTEA-2026*

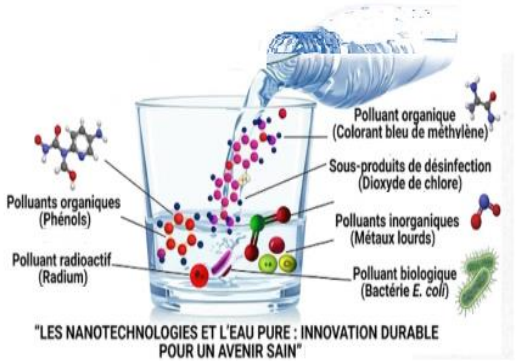


Preamble

Water is an endangered resource, and our current treatment tools are no longer sufficient to face the new dynamics of anthropogenic pollution. To meet this urgent environmental challenge, science is now turning to the infinitely small. Nanomaterials, thanks to their exceptional reactivity and innovation potential, represent a genuine revolution for the water sector.

Yet this technological promise raises fundamental questions : how do we move from the laboratory to a viable, connected industrial scale? What are the real risks of these components on our ecosystems, and how can our regulations be adapted?

The study day «Nanoparticles and water treatment: advances, applications and perspectives» sets out to draw an uncompromising state of the art. Through the combined perspectives of researchers and field practitioners, this event will explore the potential of these cutting-edge technologies while laying the foundations for responsible, safe and sustainable innovation.



Themes

- **Theme 1 : Fundamental Research and Eco-design (Advances)**

- Green synthesis and waste valorization, mechanisms at the nanoscale.

- **Theme 2 : Technological Processes and Performance (Applications)**

- Destruction of complex pollutants, filtration and desalination, adsorption, magnetism and disinfection.

- **Theme 3 : Safety, Ecotoxicology and Regulation (Risks)**

- Environmental fate, ecotoxicology and legislation.

- **Theme 4 : Industrialization, Economy and Digitalization (Perspectives)**

- Scaling-up, circular economy and Smart Water (connected water).

Important dates

Abstract submission deadline :

5 Novembre 2026

Notification of acceptance :

07 Novembre 2026

Honorary Chairs

Pr. Noura Moussa
Rector of Mohamed Chérif Messaadia University, Souk Ahras

Dr. Farida Khammar
Dean of the Faculty of Sciences and Technology

Chair of the Study Day

Dr. Souheila Bouacherine

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Dr. Souheila Bouacherine

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