

CNRS Researcher on Secondment at POLITEHNICA Bucharest

As part of the NANOEMCA Staff Exchanges project, Dr. Lavinia BALAN, Research Director at the CNRS (Centre National de la Recherche Scientifique), France, spent 11–29 September 2026 at the National University of Science and Technology POLITEHNICA Bucharest, Romania. Her secondment brought researchers from the two institutions together to share expertise and advance their work on nanomaterials.

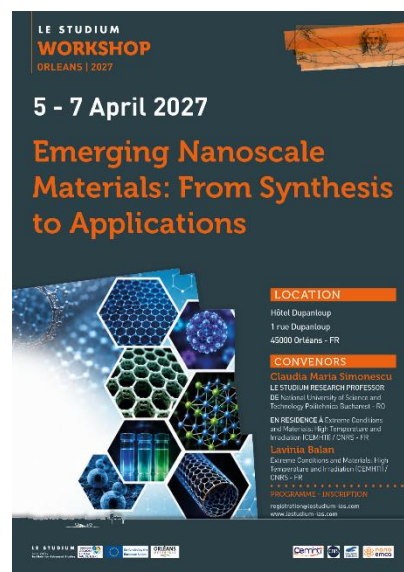
The visit focused on Work Package 3, which addresses the synthesis and characterization of periodic mesoporous organosilica (PMO) nanoreactors. Dr. BALAN and the POLITEHNICA Bucharest team discussed synthesis routes, characterization techniques and ways to assess the properties of these materials. Their exchanges also explored the relationship between preparation methods, material structure and the environmental, medical and catalytic applications envisaged by NANOEMCA.



Alongside meetings and laboratory visits, Dr. BALAN delivered seminars on the use of photochemistry in nanomaterial synthesis. These activities gave the teams an opportunity to compare experimental approaches, discuss technical challenges and identify areas where their expertise could support further joint research.

Dr. BALAN also joined discussions on the scientific programme and organization of the workshop *Emerging Nanoscale Materials: From Synthesis to Applications*, planned for 5–7 April 2027 in Orléans, France.

Coordinated by Prof. Dr. Claudia Maria Simonescu and supported by the host team, the secondment strengthened collaboration between CNRS and POLITEHNICA Bucharest and contributed to knowledge exchange across the NANOEMCA consortium.



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