

TANGOUR BAHOUEDDINE PRESENTATION

Skills and Expertise

Nanomaterials
Carbon Nanomaterials
Electronic Structure
Density Functional Theory
Quantum Chemistry
Quantum Mechanics
Computational Chemistry
Nanostructured Materials
Nanoscience

Collaborations

The national collaborations we have established relate to the topics proposed by Professors Mohamed Dachraoui, Mongia Zina, Taoufik Boubaker, Manef Abderraba and Hajsaid Ayoub.

At the international level, my first international collaboration was with my co-supervisor for my PhD, Professor Jean Claude Barthelat from the Quantum Chemistry and Physics Laboratory at Paul Sabatier University. It concerned chemical reactivity and catalysis.

I would also like to highlight the collaboration with Professor Enrique Sanchez from the University of Seville in the areas of training and logistics.

On the subject of super-electrophile reactivity, I have established ties with the SIRCOB laboratory, Lavoisier-Franklin Institute, University of Versailles, directed by Professor François Terrier.

For nano-chemistry topics, I collaborated with the following teams:

- ITODYS at Paris Diderot University, led by Professor François Maurel,
- Theoretical Chemistry Laboratory at Pierre and Marie Curie University in Paris, led by Professor Christian Minot,
- LETIAM Laboratory at Paris Sud University, led by Professor Fathi Moussa,
- Nanomedicine, Imaging, and Therapeutics Laboratory at the University of Franche-Comté in Besançon, in particular with the co-director Fabien Picaud,
- Multiscale Modeling and Simulation Laboratory at Gustave Eiffel University in Champs-sur-Marne, led by Professor Majdi Hochlaf,
- Center for Catalysis Research and Innovation at the University of Ottawa, led by Professor Abdelhamid Sayari,
- Theoretical Physical Chemistry and Computational Chemistry Laboratory, led by Professor Meziane Brahimi,

- Department of Chemistry, College of Science and Arts, Qassim University, Ar Rass, Saudi Arabia, in collaboration with Doctor Ridha Ben Said.