



ARQUS BIP:

“Training in advanced sustainable metal-organic materials”

Virtual session: Tuesday, 6 May and Tuesday, 24 June

Face-to-face seminar: Monday, 2 June - Friday, 6 June

Background

Since 2022, “The ARQUS Metal-Organic network” has gathered different research groups working in the field of coordination chemistry within 5 universities of the ARQUS alliance (Granada, Graz, Leipzig, Lyon1, Padua). The objective is to stimulate research collaborations including PhD students.

Objectives

The BIP ambitions to bring together, in multi-disciplinary training, disciplines that are currently dispersed, and to give rise to training of excellence in the field. Indeed, research in the field of metal-organic materials involves knowledge that includes organic chemistry, coordination chemistry, solid-state chemistry, property characterization and structural and computational chemistry, which today are taught in a fragmented way in different disciplinary courses. At the end of the BIP the participant will be able to better understand the different scientific aspects of the field, facilitating the sharing of knowledge and expertise well beyond their own. This will stimulate, induce and eventually support future research activities.

This interdisciplinary training of participants in the preparation, characterization and modelling of sustainable advanced metal-organic materials aims to empower the participant with multidisciplinary fundamental knowledge to drive top-level research in the field.

Target audience

- Academic staff and PhD students
- Participants are expected to speak English

Number of spots per partners universities

- University of Granada: 6
- University of Graz: 4
- Leipzig University: 4
- University of Padua: 3


- University of Jaén: 1
- Sabanci University: 2

External applications are also accepted and will be determined by the number of spots available and relevance of the applications. Support from the sending institution is required.


Recognition

- 3 ECTS credits for the students who fully complete the programme
- A certificate of participation and achievement will be delivered to all the participants after the training

Tentative programme

 **Online session:** Tuesday, 6 May (10:00 - 12:00) and Tuesday, 24 June (09:00 -12:00)

Physical activities in Lyon, France (5 days)

 Université Lyon 1 - campus La Doua - 43 Bd du 11 novembre 1918, 69100 Villeurbanne

Monday, 2 June 2025

Afternoon session
14:00 - 18:00

Registration - Opening conference
Welcome buffet

Tuesday, 3 June 2025

Morning session
09:00 - 12:00

Training on coordination chemistry and metal-organic materials

Afternoon session
13:30 - 17:00

Training on application of metal-organic materials

Evening
18:00 - 20:00

Poster session

Wednesday, 4 June 2025

Morning session
09:00 - 12:00

Training on spectroscopic methods and metal-organic materials

Afternoon session
13:30 - 17:00

Training on optical properties of metal-organic materials

Thursday, 5 June 2025

Morning session
09:00 - 12:00

Training on magnetism of metal-organic materials

Afternoon session
13:30 - 17:00

Training on crystallographic method apply to metal-organic materials

Friday, 6 June 2025

Morning session
09:00 - 12:00

Brainstorming