



Dipartimento di Chimica  
Università degli Studi di Bari  
Aldo Moro



## AIM 2020 Advanced Inorganic Materials

green and unconventional synthesis, approaches and  
functional assessment

Dipartimento di Chimica, Università di Bari June 25-26 2020

### Scope

The workshop will be a platform aiming at giving students and experienced researchers an overview of the new advances and recent results in the field of *unconventional and green synthesis of advanced inorganic materials* as well as of useful techniques for their functional assessment.

### Audience

The workshop will bring together in a stimulating environment master and PhD students and experienced researchers with the aim of expanding their knowledge on unconventional approaches to advanced materials and discovering their unique potential for photo- and heterogeneous catalysis, energy storage and biomedical fields. The presentations will have an introductory and didactic scope.

### Main topics

Unconventional and green synthesis approaches for (photo)catalysis, energy storage and conversion, biomedicine and health  
Scale-up of inorganic materials synthesis  
Synthesis optimisation and understanding - innovative experimental and computational approaches

### Further topics

*Advanced design* - Computational-assisted development of syntheses, DoE, LCA  
*Unconventional synthesis approaches* - Flow, high-throughput and solvothermal methods, polyol-assisted synthesis, biogenic approaches, microwave heating, deep eutectic/supercritical/ionic liquid solvents, shape/anisotropy/porosity control  
*Synthesis of hybrid organic-inorganic materials* sol-gel, ceramics, biopolymer based, mesoporous  
*Characterisation and rationalisation* - Synchrotron-based methods, operando and time-resolved crystallisation pathways investigation

### Chairpersons

Prof. S. Gross, University of Padova, Italy  
Prof. M. L. Curri, University of Bari Italy

### Website

<http://www.unconventional-aim2020-bari.it>

Contact: [unconventionalgreen@gmail.com](mailto:unconventionalgreen@gmail.com)

 aim2020\_bari\_it

### Scientific Committee

Prof. J. Darr, UCL, London, UK  
Prof. M. Fröba, University of Hamburg Germany  
Prof. R. Walton, University of Warwick UK  
Prof. B. Smarsly, JLU Giessen Germany  
Prof. A. Agostiano, University of Bari Italy  
Dr. R. Comparelli, CNR IPCF Italy

Dr. M. M. Natile CNR ICMATE Italy  
Dr. M. Striccoli CNR IPCF, Italy

### Organising Committee

Dr. N. Depalo, CNR IPCF  
Dr. E. Fanizza, University of Bari  
Dr C. Ingrosso, CNR IPCF  
Dr. A. Panniello, CNR IPCF

