



Dr. Alexandra Fateeva

Alexandra Fateeva completed her PhD in CEA-Grenoble and the University Joseph Fourier, Grenoble Alpes (France) in 2008, focusing on the coordination chemistry of porphyrins for molecular electronics. She then joined the Institute Lavoisier de Versailles (France) in 2009 as a postdoctoral fellow, to work in the field of porous solids, in the group of G. Férey and C. Serre, in close collaboration with T. Devic. There, she aimed to develop redox active porous metal organic frameworks (MOFs) for energy-related applications. In 2010, she joined the group of Prof. Matthew Rosseinsky at the University of Liverpool, to work on the design and synthesis of MOFs for catalytic applications. She was awarded an Ass. Professor position at the University of Lyon in the Laboratory of Materials and Interfaces in 2012, where she develops multi-functional MOFs. Her scientific activity is primarily focused on the design, synthesis, structural studies, and characterization of stable and photo-redox-active metal-organic MOFs. She is particularly developing original coordination architectures based on porphyrins that exhibit catalytic activities. In parallel, she is exploring new methods for the fabrication of MOF thin films and composite materials through various approaches, such as electrochemical synthesis and atomic layer deposition.