



Laboratoire PPSM – UMR CNRS 8531

Photochimie et Photophysique Supramoléculaires et Macromoléculaires

Séminaire PPSM

Vendredi 22 Septembre 2017 - 14h00

Auditorium D. Chemla - Bâtiment IDA

Professeur Reza TAYEBEE

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University, Sabzevar, Iran

Invité par : Pierre Audebert

«Hybrid organic-inorganic based heteropolyacids in organic synthesis: Multi-component heterogeneous catalysis»

The research of Pr Tayebbee's group addresses the rational design of nanoengineered materials for clean catalytic technologies, with particular focus on the inorganic-organic nanohybrid green materials for organic synthesis.

In this presentation, recent publications related to fabrication, characterization and application of various heteropolyacids supported on different kinds of mesoporous silicas are introduced. Then, applications of these inorganic-organic based heteropolyacids are reviewed in different multi-component condensation reactions to synthesize pharmaceutically important chemicals. The end of this report is focused on the heterogenization of some functionalized tetrazines on our familiar mesoporous nanomaterials to achieve efficient heterogeneous green catalysts suitable for various multi-component and oxidation reactions in near future.

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