

Tentative Outline
Special Thematic Issue for Current Organic Chemistry

Title of thematic issue

Organic Transformation using heterogeneous catalysts

Guest Editor's Name, affiliation and email addresses:

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Aims & Scope:

Catalysis is such an enormous field, that it can encompass almost everything from the study of fundamental physical properties to genetically engineering chemical-producing microorganisms. Thus, catalysis is the area of chemistry which has tremendous impact on the society. It is fundamental to numerous endeavours such as, making consumer products we use every day, producing the drugs that keep the population healthy, helping agriculture feed the planet, breaking down environmental pollutants in air and water, generating, storing and converting energy. The production of chemicals through catalytic processes accounts for approximately 25% of the industrial energy. In the literature, there are so many articles published in the field of catalysis. Hence, this issue represent the articles which will contributed in the field of organic transformation using heterogeneous catalysts.

Keywords:

Organic transformation, Heterogeneous catalysis, Solid base catalyst, Solvent-free Organic reactions

Subtopics along with Contributing authors and abstract

The subtopics to be covered within this issue are listed below:

- Heterogeneous catalysis: application in organic synthesis
- Metal or Metal oxide supported catalyst : application in organic transformation
- Biomass conversion
- CO₂ fixation using solid based catalysts
- Catalytic mechanism and kinetics studies

- Title no: 1** : **Cerium Based Catalysts: Application in Organic Transformation**
 Name : Ravi Tomar
 Affiliation : Drug Discovery & Development Laboratory, Department of Chemistry, University of Delhi, Delhi-, 110007 India
 Abstract : TBA
 Keywords : Cerium based materials, organic synthesis, Catalysis
 Email : drravitomar451@gmail.com
- Title no: 2** : **Biomass conversion over metal supported catalyst**
 Name : Shun Nishimura
 Affiliation : School of Materials Science, Japan Advanced Institute of Science and Technology, 1-1 Asahidai, Nomi, Ishikawa, 923-1292 Japan
 Abstract : TBA
 Keywords : Solid based catalyst, Organic Synthesis, Catalysis
 Email :
- Title no: 3** : **Ionic Liquid based catalysts with their catalytic application in organic synthesis**
 Name : Hitesh Sehrawat and Ramesh Chandra
 Affiliation : Drug Discovery & Development Laboratory, Department of Chemistry, University of Delhi, Delhi-, 110007 India
 Abstract : TBA
 Keywords : Ionic Liquids, organic synthesis, Catalysis
 Email : hiteshsehrawat88@gmail.com
- Title no: 4** : **Polymer based heterogeneous catalyst for organic transformations**
 Name : Vivek Mishra
 Affiliation : Department of Chemistry, University of Ulsan, Ulsan 680-749, Republic of Korea
 Abstract : TBA
 Keywords : Polymer based material, organic synthesis, Catalysis
 Email : vivekbhuchem@gmail.com
- Title no: 5** : **Hydrotalcite: Application in oxidation of alcohols**
 Name : Poonam Singh
 Affiliation : Department of Applied Chemistry, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, India
 Abstract : TBA
 Keywords : Polymer based material, organic synthesis, Catalysis
- Title no: 6** : **A review on oxidation aldoses to aldonic acid over heterogeneous catalysts**
 Name : Loveneesh Kumar and Ramesh Chandra
 Affiliation : Drug Discovery & Development Laboratory, Department of Chemistry, University of Delhi, Delhi-, 110007 India
 Abstract : TBA
 Keywords : Solid based catalyst, organic synthesis, Catalysis
 Email : loveneeshkr@gmail.com

- Title no: 7** : **A review for theoretical chemistry cancer drugs**
 Name : Neeraj Kumar
 Affiliation : SRM- IST University , Modinagar , UP
 Abstract : TBA
 Keywords : TBA
 Email : nan.neeraj@gmail.com
- Title no: 8** : **Biodiesel Production over heterogeneous catalysts**
 Name : Naveent Kumar Gupta
 Affiliation : Central Institute of Mining and Fuel Research (CSIR), Gasification and Liquefaction Research Group, P.O.-FRI, Dhanbad, 828108 Jharkhand, India
 Abstract : TBA
 Keywords : TBA
 Email : navneetguptatum@gmail.com
- Title no: 9** : **Metal support catalysts in organic chemistry**
 Name : Dr. Hemant Choudhary
 Affiliation : College of Arts & Sciences, The University of Alabama, 712 Capstone Drive, Tuscaloosa, Alabama 35401, United States
 Abstract : TBA
 Keywords : TBA

Schedule:

- ✧ Manuscript submission deadline: 31.01.2020
- ✧ Peer Review Due: 28.02.2020
- ✧ Revision Due: 31.03.2020
- ✧ Announcement of acceptance by the Guest Editors: 30.04.2020
- ✧ Final manuscripts due: 31.05.2020

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