



Special Issue on Microwave-assisted Syntheses

Call for Papers

Microwave chemistry is the science of applying microwave radiation to chemical reactions. Microwaves act as high frequency electric fields and will generally heat any material containing mobile electric charges, such as polar molecules in a solvent or conducting ions in a solid. Microwave heating has certain advantages over conventional ovens: reaction rate acceleration, milder reaction conditions, higher chemical yield, different reaction selectivities, lower energy usage.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Microwave-assisted Syntheses**. Potential topics include, but are not limited to:

- Application of Microwave in particle Preparation Techniques
- Influence of Microwaves on Mass and Heat Transfer
- Mechanisms of Microwave Dielectric Heating
- Microwave-assisted Catalytic Reactions
- Microwave-assisted Organic Reactions in the Absence of Solvent
- Microwave-assisted Reactions for combinatorial Synthesis
- Microwave-assisted Reactions in Organic Solvents
- Microwave versus Conventional Heating

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Microwave-assisted Syntheses**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	December 31, 2015
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