



Amide Bond Activation

Guest Editor:

Prof. Dr. Michal Szostak

Department of Chemistry,
Rutgers University, 73 Warren St.,
Newark, NJ 07102, USA

Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editor

Dear Colleagues,

The amide bond represents a privileged motif in chemistry. Recent years have witnessed an explosion of interest in the development of new chemical transformations of amides. An important trend involves chemoselective activation of the N–C amide bond by metal insertion. This thriving class of reactions originates from the classic studies on amide bond destabilization and has a potential to become widely applicable cross-coupling platform. More generally, N–C bond activation emphasizes the significance of ubiquitous amide bonds to participate in a wide range of electrophilic, Lewis acid, radical, and nucleophilic reaction pathways, among other transformations. These methods are beneficial to chemists because they supply valuable compounds by functional group interconversion or functionalization of amides on the fundamental level. Equally relevant are structural and theoretical studies that provide the basis for chemoselective manipulation of amidic resonance. This Special Issue aims to provide a broad survey of recent advances in activation of amides and address various approaches in the field.

Prof. Dr. Michal Szostak
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)