catalysts

an Open Access Journal by MDPI

IMPACT FACTOR 4.0

CITESCORE 7.6

Combined Catalytic Systems for Organic Synthesis via Cascade and One-Pot Reactions

Guest Editor:

Prof. Dr. Laura Palombi
Dipartimento di Chimica e Biologia, Università di Salerno, Via GiovanniPaolo II, 132, 84084 Fisciano, SA, Italy

Deadline for manuscript submissions:
closed (15 January 2020)

Message from the Guest Editor

Dear Colleagues,

Thanks to the extensive exploiting of cascade, domino, and one-pot catalytic reactions, expeditious and elegant solutions to synthetic problems previously faced with energy-, atom-, and time-consuming procedures and/or waste generation have been proposed. More recently, the obvious inability of a single catalyst to act as a panacea for all ills inspired researchers to develop ingenious hybrid methods, consisting of the synergistic combination of different techniques or intrinsically distinct catalytic systems, which have been producing amazing advantages over traditional methodologies. As a consequence, items such as “tandem catalytic systems”, “organic–inorganic hybrid catalysts”, “electro-organocatalysis”, “photo-organocatalysts”, and “nano-organocatalysts” have been popping up in literature.

This Special Issue intends to collect both research and review articles focused on the most recent achievements and opportunities offered by mixed catalytic systems/techniques in cascade organic reactions and one-pot syntheses in general.