Special Issue

Novel Studies of Organic Electrosynthesis

Message from the Guest Editor

Organic synthesis arguably represents the most important discipline for the bottom-up assembly and late-stage diversification of molecular compounds with transformative applications to inter alia medicinal chemistry, drug development, and material sciences, as well as the chemical and pharmaceutical industries. The pioneering contributions of Faraday's hydrolysis of acetic acid, Kolbe's electrochemical decarboxylative dimerization, Hickeling's proposal of potential-controlled electrolysis, Simon's fluorination process, Monsanto's adiponitrile processes, Yoshida's concept of electroauxiliaries, Steckan's indirect electrolysis, BASF Lysmeral process (paired electrolysis), and the production of lead tetra-ethyl anti-knock compounds have enabled electrosynthesis to gain significant momentum for sustainable electro-organic syntheses. Numerous examples from the bench scale to industrial routes, including contributions of organic electrosynthesis to green chemistry, are expected to be well covered throughout this Special Issue.

Guest Editor

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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.

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