Special Issue

Natural Products from Defined Microbial Interactions

Message from the Guest Editors

In the last few decades, chemical ecology has eavesdropped on the chemical language underlying microbe–host interactions. Despite increasing recognition that bacteria–animal interactions are the basis of evolution, the identity of signaling molecules underlying these interactions have remained largely enigmatic. Therefore, more efforts describing the chemistry and signaling molecules underlying defined multipartner interactions are pressingly needed. Furthermore, the structural diversity of natural products serving as signalling molecules provides a rich source of novel biologically/pharmacologically-active compounds. This Special Issue welcomes original research and reviews of literature on important aspects of natural products involved in defined bacteria–bacteria, bacteria–eukaryotes and fungi–eukaryotes interaction scenarios.

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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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