

## Special Issue

# Natural Products as Antimicrobial Agents: From Extraction to Therapeutic Applications

### Message from the Guest Editor

Antimicrobial resistance, as well as the emergence and re-emergence of some pathogens, constitute two major aspects of the Anthropocene epoch. Globally, the impact of human activities on the environment and on our ability to fight certain pathogens may aggravate this problem. In order to counter emerging diseases with a pandemic risk, the WHO promotes the “one health” approach, an integrated and unified approach to humans, animal, and environmental health on a global scale. New resistance mechanisms are also emerging, making the management of certain diseases very complex and sometimes impossible. Therefore, the identification of new antimicrobial agents and the improvement of new therapeutic strategies are urgently required. This Special Issue aims to disclose the most recent advances in the discovery of antimicrobial agents with a natural origin (plant, bacterial, and fungal origin) and hemisynthetic derivatives in the field of human and veterinary therapy, as well as the description of the new mechanisms of action of some natural antimicrobial agents. The SI is open to therapeutic solutions of all infectious diseases (viral, bacterial, fungal, and parasitic).

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### Guest Editor

Dr. Céline Rivière

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### Deadline for manuscript submissions

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## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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