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Advances of Antimicrobial in Bioengineering

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Deadline for manuscript submissions:
closed (30 March 2022)

Message from the Guest Editors

Presently, humankind is faced with an urgent need to develop novel and highly effective antimicrobials to control multidrug-resistant microorganisms and infectious outbreaks. Bioengineering is at the forefront as a critical and strategic field of knowledge for the development of innovative antimicrobial compounds and materials with tailored activity, as well as comprising low-propensity to induce microbial resistance. Reports of new bioengineered compounds or materials and the description of their mode of action are essential for the development of novel applications and strategies. Including bioprocess optimization, encompassing improved production methodologies, and advances in the development of applications and antagonistic approaches.

This special issue will gather original research and review articles focusing on bioengineered compounds and/or materials depicting the following:

- Superior antimicrobial efficiency;
- Comprehensive characterization of their antimicrobial action;
- Directed or selective action;
- Novel application strategies;
- Bioengineering optimization of the production process.

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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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