

Special Issue

Analysis of Peptidomimetic Toxicity in *E. coli* Bacterial Cells –Studies on Selected Strains

Message from the Guest Editor

This Special Issue is looking for new compounds that could replace antibiotics in terms of their biofunctionality, structure, and toxicity to pathogenic bacterial strains that infect our body. For many years, lengthy and costly research has been carried out in the search for such substances. An alternative to such research are compounds that occur naturally and are called peptidomimetics, which are similar in structure to commonly used antibiotics, but different in the nature of their functioning, because they are more specific and toxic to bacterial cells, such as coumarins and their derivatives and α -aminoamides. This Special Issue comprehensively discusses the latest achievements in the field of innovative methods of analyzing and assessing the toxicity of these compounds based on MIC and MBC tests and the use of the Fpg enzyme from the BER system, which is a repair glycosylase with two activities of glycosylase and AP-lyase.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2022)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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