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

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Message from the Guest Editor

Dear Colleagues,

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.



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Special Issue



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Message from the Editor-in-Chief

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