

Special Issue

Advances in Bioactive Peptides: Mechanisms of Action and Biosynthesis

Message from the Guest Editors

Bioactive Peptides (BAPs) represent a diverse class of natural/synthetic molecules that are fundamental to the innate immune response across diverse organisms. Renowned for their swift and versatile activity targeting bacteria, fungi, and viruses, and even influencing cancer cell behavior, BAPs are increasingly recognized as promising alternatives to traditional therapeutic approaches. Their capacity to selectively engage with disease-causing agents without fostering widespread resistance renders them an appealing tool in the ongoing fight against antibiotic-resistant infections, which have ascended to become a prominent global health issue. This Special Issue is dedicated to exploring the complex and multifaceted roles of BAPs, focusing on both their mechanisms of action and the biosynthetic pathways involved in their production.

Guest Editors

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