

Special Issue

Structure, Function and New Developments of Sweet Proteins

Message from the Guest Editors

Sweet proteins, first discovered in the 70s in a few tropical plants, with their sweetness up to five orders of magnitude greater than sucrose, stand out as ideal candidates for the job, but several problems still need to be addressed before they can find application in real food and beverage preparations. This Special Issue has the goal to present the latest developments in the field of sweet proteins studies, which cover multiple research areas, from the rational design of new variants to withstand the environment of industrial processes, to the structural and computational studies to elucidate their action and the interaction with the sweet taste receptor; from the development of new biotechnological tools for the production to the development of pilot food formulates and the study of their physiological effects. We will welcome original research article and reviews on each of these subjects. This way, we hope to present the readers with a multifaceted picture, in which theoretical studies on the mechanism of sweet taste perception meet applicative and industrial research, defining a multidisciplinary landscape which attracts an increasing number of researchers.

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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