Special Issue

Recent Advances in Silk Fibroin

Message from the Guest Editor

Silk fibroin (SF) of silkworms has been used as clothing material for centuries and simple suture material in the biomedical field for decades. Recently, SF has been widely studied as a potential biomaterial in the biomedical and engineering fields. As a new direction or way for SF applications, it is being developed for electronics, photonics, MEMS, and microfluidics in the engineering field. In the recent past, 3D bioprinting with SF-based materials has emerged as a fast-growing trend in tissue engineering for patient-specific organ regenerations. Therefore, this themed issue on "Preparation and Applications of Silk Fibroin" focuses on advanced methods of silk fibroin preparation and their widespread use in both biomedical and engineering fields. In this perspective, we would like to welcome any original research articles, notably contributing to the innovative preparation method of SF-based materials and their diverse application in the biomedical and biotechnological fields. We would also like to invite review articles from global experts working in this area, particularly on the preparation methods and latest technological advances on the use of SF.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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