

## Special Issue

# Advances in the Preparation and Application of Silk Fibroin Materials

### Message from the Guest Editor

Silk fibroin protein, a natural biopolymer that is derived from the cocoons of silkworms, especially domestic species *Bombyx mori*, have internal good biocompatibility, mild immunological response, and anti-inflammatory and tuneable physicochemical properties. These have resulted in the use of silk ranging from skin care to tissue regeneration and pharmaceutical applications. The present Special Issue on “Advance in Preparation and Application of Silk Fibroin Materials” will compile research and review papers including, but not exclusively limited to, the following topics: \*the processing of silk extraction from natural sources, \*genetically engineered silk fibroin and chemically modified silk fibroin, \*material structure and function, \*biomimetic/bio-inspired materials, \*wearable devices, \*3D printing, \*carbon-neutral materials.

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### Guest Editor

Dr. Zhaozhu Zheng

National Engineering Laboratory for Modern Silk, College of Textile and Clothing Engineering, Soochow University, Suzhou 215123, China

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### Deadline for manuscript submissions

closed (20 August 2022)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editorial Board

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Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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