

## Special Issue

# The Role of Extracellular Matrix in Bioengineering

### Message from the Guest Editor

Extracellular matrices (ECMs) include a family of proteins that fill the interstitial space in human tissue or form basement membranes. ECMs have nonfibrous components, such as glycosaminoglycans, hyaluronan, chondroitin sulfate, dermatan sulfate, heparan sulfate and keratan sulfate. There are also fibrous proteins, such as collagens and elastin, and multidomain proteins, including glycoprotein, fibronectin and laminin. ECMs play critical roles in human tissue development, normal function, disease pathology progress and in vitro tissue culture models. This collection focuses on the novel functions and pathological roles of ECM proteins, as well as biomimetic molecules with which to substitute an ECM mixture or a single type of ECM protein. The applications cover all tissue types in tissue engineering, regenerative medicine and bioengineering.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 July 2022)



## Biomolecules

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Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



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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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