# **Special Issue**

# Bioinspired and Biobased Materials

# Message from the Guest Editor

Nature is a huge source of inspiration for material design, providing engineering solutions that are effective, adaptable to varying conditions, environmentally friendly and proven over long time spans. Classical examples include honevcomb-like structures, nacre-inspired tough ceramics or crustacean-inspired composites resistant to fracture. On the other hand, natural components such as biooils can be also efficiently incorporated into engineering materials, toward a more sustainable design, utilization of waste and lower environmental impact. This Special Issue is open for all contributions linked to the field of bioinspired and biobased materials, including their design, optimization of formulation, synthesis and characterization of properties, focusing on molecularlevel investigations. New concepts in these fields and dedicated review papers will also be welcome.

#### **Guest Editor**

Dr. Malgorzata Holynska ESA/ESTEC, Keplerlaan 1, 2201 AZ Noordwijk, The Netherlands

#### Deadline for manuscript submissions

closed (30 October 2025)



# International Journal of Molecular Sciences

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# Message from the Editor-in-Chief

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## **Editor-in-Chief**

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