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Biomimetics



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Message from the Editor-in-Chief

Welcome to *Biomimetics*, an open access journal regarding biomimicry and bionics. We are dedicated to research that relates to the most basic aspects of living organisms and the transfer of their properties to human applications. We aim to provide a forum and a survey for researchers and professionals interested in exploiting biologically inspired designs in engineering systems, technology and biomedicine.

Editor-in-Chief

Prof. Dr. Stanislav N. Gorb

Aims

Biomimetics (ISSN 2313-7673) publishes articles, reviews and short communications. Authors in the fields of material science, mechanical engineering, nanotechnology and biomedicine are all invited to submit experimental and theoretical results about research, design and application of principles from nature aimed to developing novel solutions that enable sustainable innovation.

Scope

- Biomimetic mechanism and design
- Biomimetic robotics
- Biofabrication and characterization
- Biomimetic and bioinspired chemistry
- Bioinspired sensing
- Nanotribology, nanomechanics, micro/nanoscale studies on biological systems
- Biomimetics inspired by animal and plant biomechanics
- Synthetic and biohybrid systems
- Self-organization and cooperative behavior
- Biomimetic aspects of tissue engineering
- Bioinspired, biomedical and biomolecular materials

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