



Mechanical Design in DNA Nanotechnology

Guest Editor:

Dr. Alexander E. Marras
Pritzker School of Molecular
Engineering, University of
Chicago, Chicago, IL, USA

Deadline for manuscript
submissions:
closed (20 January 2022)

Message from the Guest Editor

As DNA nanotechnology pushes the limits of geometric resolution and mechanical programmability in soft materials, diverse applications employing structurally distinct DNA-based devices and materials are emerging, including recent progress in sensing, drug delivery, dynamic devices, imaging, and more. New software and fabrication methods remove design and cost barriers, enabling implementation of structural DNA nanotechnology into areas with emerging synergies. This Special Issue of *Applied Sciences* is intended to broadly cover utilization and strengths of predefined shape, structure, and mechanical properties in DNA-based, or DNA-hybrid, structures and materials and can include experimental, simulation, and modeling work.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)