



Recent Advances and Applications of Nano/Micromotors

Guest Editors:

Dr. Víctor de la Asunción-Nadal

Division of Applied Physical Chemistry, Department of Chemistry, KTH Royal Institute of Technology, Stockholm, Sweden

Prof. Dr. Beatriz Jurado Sánchez

Departamento de Química Analítica, Química Física e Ingeniería Química, Universidad de Alcalá, Alcalá de Henares, Spain

Deadline for manuscript submissions:

closed (20 August 2023)

Message from the Guest Editors

Dear Colleagues,

The field of microscale motion and actuation has garnered significant attention from both scientists and consumers alike. This is due to the possibility of using miniaturized machines on the micro or nanoscale, opening up new avenues for previously unfeasible applications. Furthermore, through the integration of new smart materials, it is possible to grant these platforms on-board (bio)recognition and transduction mechanisms. It is also important for the micromotor community to study and gain a deep understanding of the principles of the propulsion mechanisms, as it will allow novel nano/micromotors that operate safely, efficiently, and with unprecedented precision, thereby expanding their applicability.

In addition, it is also important to develop new peripheral equipment that can aid in the remote positioning of the nano/micromotors, as well as generate physicochemical responses.

This issue will cover recent advances in the development of new nano/micromotor platforms as well as new applications that take advantage of the enhanced properties of such motors.





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