

Special Issue

Recent Advances of Molecular Machines and Molecular Robots

Message from the Guest Editors

"Recent Advances of Molecular Machines and Molecular Robots" is a highly interdisciplinary research field including material science, chemistry, biotechnology, biophysics, soft matter physics, micro-electromechanical systems (MEMS), and computer science. The interaction between 'molecular machine engineering' based on motor protein science/supramolecular chemistry, and 'molecular robotics' based on DNA nanotechnology/computing promote the development of nanometer- or micrometer-sized dynamical and programmable robotic systems equipped with molecular sensors and molecular intelligence. In this Special Issue, we would like you to contribute research papers, short communications, and review articles related to molecular machine engineering and molecular robotics from a wide range of research fields. By overviewing the recent advances in this field, we would like to ferment seeds of future applications such as medical microrobots, intelligent drug delivery systems, artificial cells/organelles, environmental nano/microsensor robots, agricultural nano/microrobots, and unconventional brain-like computers.

Guest Editors

Prof. Dr. Masahiro Takinoue

School of Computing, Tokyo Institute of Technology, Tokyo 152-8550, Japan

Prof. Dr. Ryuji Kawano

Department of Biotechnology and Life Science, Tokyo University of Agriculture and Technology (TUAT), 2-24-16 Naka-cho, Koganei-shi, Tokyo 184-8588, Japan

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

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