



Polymer Actuators: From Fabrication to Application

Guest Editors:

Dr. Feilong Zhang

School of Materials Science and Engineering, Nanyang Technological University, Singapore, Singapore

Dr. Man Yang

Key Laboratory of Bio-inspired Materials and Interface Science, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences 29 Zhongguancun East Road, Haidian District, Beijing 100190, China

Deadline for manuscript submissions:

closed (5 June 2022)

Message from the Guest Editors

This *Special Issue* will report on advances in the design and utilization of polymer actuators for practical application, such as sensors, robotics, motors, and three-dimensional (3D) frameworks. The scope includes, but is not restricted to, responsive polymers, the novel design of actuators, smart sensors, the novel design of robots, as well as other complex systems with actuators as elements, which will facilitate the development of polymer actuators for special applications.

In particular, this *Special Issue* will welcome manuscripts that cover topics including, but not limited to, the following:

1. The design and fabrication of responsive polymers;
2. Polymer actuators with novel structures;
3. The mechanisms of natural actuators;
4. Polymer actuators for soft robotics;
5. Polymer actuators for smart sensors;
6. Polymer actuators for 3D frameworks;
7. Polymer actuators for motors;

