

**Call for Papers**

Films and membranes have enabled the growth and development of materials and sensors in various fields. Thin-film deposition techniques are key technologies for surface functionalization, such as optical coatings, thin-film solar cells, thin-film fuel cells (solid oxide fuel cells), photoelectric devices, and piezoelectric elements. These are contributing to the progress of innovative materials and sensors, which are furthering medical and energy technologies. On the other hand, cellular membranes formed by amphiphilic molecules, mostly phospholipids, in the presence of water have attractive functions, such as ion-selective permeability, membrane liquidity, and fusion. Many researchers have designed cell-membrane mimics with these functions, leading to the development of materials and biosensors. This special issue will focus on materials and sensors based on film-membrane sciences. The editor hopes that this special issue will guide exciting new research in the future.

**Scope:**

- Semiconductor ion sensors
- Functional films
- Gas sensors
- Functional films
- Biosensors
- Optical sensing devices
- Physical sensors
- Functional liposomes
- Probes for cellular membranes

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**Guest Editor:** Dr. Atsushi Shoji (Tokyo University of Pharmacy and Life Science)

**Submit to:** Online Manuscript Submission System (<https://myukk-org.ssl-xserver.jp/form/>)

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