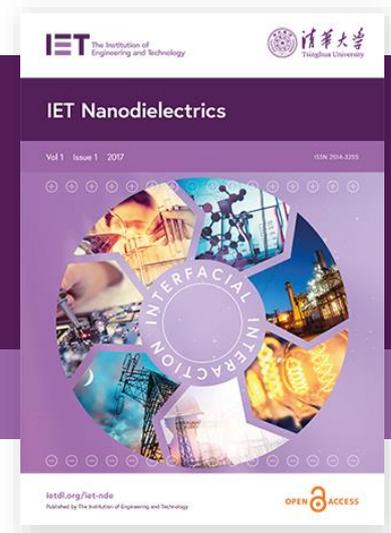


## IET Nanodielectrics

# Call for Papers

Submission Deadline: 15<sup>th</sup> December 2020 | Publication Date: December 2021

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## Special Issue on: Special Issue on Biological Nanodielectrics

The 21st century is often referred to as “a century of biological science and technology”. However, to this date we still struggle to fully understand the electric power systems, neural systems (in particular, brain functionality) of natural biosystems. Electrical activities in live biosystems, natural dielectrics and various soft-materials such as lipid membranes, play a key role in our understanding. But the detailed functions and working mechanisms of bio-dielectrics are not yet fully revealed.

On the other hand, nano-/micro-dielectrics are widely applied in the fields of high-power storage, electrical sensory, solid and flexible integrated circuit chips and wearable devices. By investigating the functions and mechanisms of soft-material dielectrics in biosystems, we may invent novel hybrid devices that are compatible to live tissues and organs. This will aid our development of future technology for healthcare, medical and clinical applications.

This Special Issue on Biological Nanodielectrics aims to promote research of all aspects related to bio-, nano- (or micro-) dielectrics.

To submit your paper and for more information about the journal please visit: <https://mc.manuscriptcentral.com/theiet-nde>

Topics of interest include, but are not limited to:

- Bio-electrical sensors
- Bio-power devices and systems
- Neural and brain devices and interfaces
- Electromagnetic treatment of neurons at the cell-level
- Nano-micro-implantation of artificial electrical devices

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