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Micro-Nano Sensors and Materials for Health, Physical Applications, Electronics, Photonics and Energy

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Deadline for manuscript submissions:

closed (31 March 2024)

Message from the Guest Editors

Dear Colleagues,

Society is always striving to evolve, to develop new technologies and can help mankind on a daily basis. Micro- and nanomaterials have been playing a major role in the development of innovative technologies and can now be found in our daily life. Ever since they emerged the number of possible applications grew exponentially and now they can be used as sensors in areas as diverse as, environment (e.g., pollutants, gases), agriculture (e.g., in food packaging and food safety), and health (e.g., guided-drug delivery systems, bacterial and viral sensing). Indeed, they played a major role in the development of new technologies for SARS-CoV-2 during the current pandemic. Their versatility is also demonstrated by their application in energy storage devices, LEDs, smart windows, among others. The synthesis methods of these materials is also as diversified as their applications and the development of faster and sustainable methods for their production is maximizing their real application in health, physical, electronics, photonics, and energy. This is an area of great expansion that can provide powerful tools in numerous areas.



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Special Issue



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Message from the Editor-in-Chief

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