Message from the Guest Editors

Globally, significant research efforts and investment are being directed towards the further development of quantum diamond sensors and demonstration of their measurement capabilities. There is tremendous potential for deployment of quantum diamond sensors in electrical and thermal monitoring in electric vehicle batteries, high resolution magnetic resonance spectroscopy to uncover the chemical structures at a single molecule level, novel microwave sensors for use in the telecommunication sector, characterisation of future materials including spintronics devices and nanomaterials. Overall, quantum diamond sensors provide unprecedented measurement sensitivity and are poised to become essential tools across many sectors. This Special Issue on “Advanced Quantum Diamond Sensors and Applications” has the objective of showcasing current and emerging technologies that exploit the quantum assisted sensing capabilities of diamond. Reports describing new methodologies, materials, technical developments and applications are particularly welcome.
Message from the Editorial Board

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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