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Advanced Biochemical Sensors: Materials Research and Application

Guest Editor:

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Deadline for manuscript submissions:
closed (20 May 2022)

Message from the Guest Editor

Dear Colleagues,

Materials research has greatly contributed to the improvement of the performances of advanced biochemical sensors. This Special Issue will present the latest trends of materials research in the field of advanced biochemical sensors.

- New materials for optical, electrical, and acoustic transduction: Carbon-based materials (graphene, carbon nanotubes, etc.), nanostructured materials, quantum dots, etc.;
- New materials for (bio)chemical recognition: Molecularly imprinted polymers, artificial enzymes;
- Biosourced materials for the design of biochemical sensors;
- Materials research for microtechnology, for 3D printing;
- New materials for the encapsulation of biochemical sensors.

Review and research papers are welcome.

Dr. Nicole Jaffrezic-Renault
Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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