

## Special Issue

# Latest Research on Photovoltaic Materials and Solar Cells

### Message from the Guest Editor

The topic of this Special Issue titled “Latest Research on Photovoltaic Materials and Solar Cells” is dedicated to the development of solar cells such as perovskite cells, perovskite/Si tandem cells, perovskite/CIGS tandem cells, dye-sensitized cells, inorganic CZTSe cells, quantum dots cells, organic solar cells and other promising new PV technologies. Despite great advancements, these technologies are not yet advanced enough to be used in mass production. Research on these types of cells is extremely intensive in many laboratories, bringing new achievements in efficiency and stability. In particular, perovskite solar cells and tandem perovskite cells are interesting due to their high efficiencies and simple technological process. These cells, despite great progress, still struggle with the problem of long-term stability as well as the presence of toxic lead in high-efficiency perovskite cells. The aim this Special Issue is to present original results from theoretical and experimental research in the field of emerging PV technologies. Review papers are also welcome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (10 December 2024)



## Materials

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### Message from the Editorial Board

*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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