



## Solar Energy Storage: Materials, Devices, Designs and Systems Level

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Deadline for manuscript  
submissions:

**closed (31 August 2022)**

### Message from the Guest Editor

Dear Colleagues,

For this Special Issue, we encourage the submission of relevant papers (communications, full research articles, review articles) on designs that implement solar energy storage focusing on device (materials, processes, device architectures and structures) and system level (microgrids), aiming at better performance and a lower cost.

We encourage the submission of papers exploring material, device, and system levels. Potential topics include but are not limited to:

- Solar/battery combination or architecture;
- Solar/supercapacitor combination or architecture;
- High-efficiency solar cells (silicon, thin films, perovskites, organic);
- High-energy and -power-density energy storage (batteries: lithium-ion, solid-state, beyond Li-ion; supercapacitors: EDLC, pseudo, hybrid; Li-ion capacitors);
- Solar storage and battery charging algorithms for performance optimization;
- System-level design, operation, and control of solar-storage for microgrid optimization.

Dr. Ashim Gurung

*Guest Editor*





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## Message from the Editor-in-Chief

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