

"QUANTUM BATTERY: SCIENCE FICTION OR REALITY?"

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The seminar will introduce the emerging concept of **quantum batteries** and explore how quantum-mechanical phenomena such as coherence, entanglement, and many-body interactions may provide new possibilities for energy storage and transfer. The talk will also discuss the origin of the **quantum advantage** and the prospects of realizing quantum batteries experimentally.

Date: 25 August 2026

Time: 11:00 AM

Venue: Department of Physics, University of Kashmir

All faculty members, research scholars, and students are cordially invited to attend the seminar.



Head,

Department of Physics
University of Kashmir