



## Special Issue on Quantum Entanglement

### Call for Papers

Quantum entanglement is a physical resource, like energy, associated with the peculiar nonclassical correlations that are possible between separated quantum systems. Entanglement can be measured, transformed, and purified. A pair of quantum systems in an entangled state can be used as a quantum information channel to perform computational and cryptographic tasks that are impossible for classical systems. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **quantum entanglement**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **quantum entanglement**. In this special issue, potential topics include, but are not limited to:

- Dynamics of quantum entanglement
- Quantum entanglement of moving bodies
- Methods for detection of quantum entanglement
- Entangled states
- Methods of creating entanglement
- Quantum entanglement of a large number of photons
- Applications of quantum entanglement

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Quantum Entanglement**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	April 29th, 2022
Publication Date	June 2022

### Guest Editor:

For further questions or inquiries  
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