



Special Issue on Atomic and Molecular Physics

Call for Papers

Atomic and molecular physics is the study of the properties, dynamics and interactions of the basic (but not fundamental) building blocks of matter. A crucial component of this is understanding the behaviour of the electrons that surround the atomic nucleus; these dynamics dominate the way atoms and molecules interact with their environment. 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 **atomic and molecular physics**.

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

- Atomic models
- Radiation and matter
- Wave equations for simple quantum systems
- Perturbation theory and radiative transitions
- Quantum Theory of One-Electron Atoms
- Many-electron atoms
- Molecular structure
- Approximation methods for many-electron systems

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 - Atomic and Molecular Physics**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	June 24th, 2022
Publication Date	August 2022

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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