

Editorial

I feel honored to take on the exciting task of being the **Chief Editor** of the **Physics Education Journal** of the **Indian Association of Physics Teachers (IAPT)**. I am thankful to Hon'ble Vice-Chancellor Prof. S.P. Bansal for his constant support and blessings. I am also grateful to Prof. P. K. Ahluwalia, President of IAPT, and the physics teachers' community of IAPT for their trust in me.

History of the Journal

The present format of the *Physics Education* journal was initiated in 1984 by the **UGC** with Prof. A. S. Nigavekar as the Editor. It was later adopted by **IAPT** in 1999 as one of its main activities.

Financial and administrative support has evolved over time:

- Initial support by **ISRO** and the **University of Pune**.
- Since 1999, continuous support from **BRNS**.
- Leadership transitioned across distinguished editors: Prof. R. Ramchandran (2004-10), Prof. Pramod S. Joag (2010-15), Prof. M. S. Santhanam (2016-20), and Dr. Saurabh Dube (2020-23).
- Since 2016, **IISER Pune** has played a key role in journal administration.
- Now, the **Central University of Himachal Pradesh** has taken on the administrative responsibility.

Vision and Goals

The journal aims to:

- **Propagate physics education** among teachers and students.
- Enhance publication models by:
 - Introducing diverse article types.

- Transitioning from **quarterly** to **monthly** publication in the coming years.
 - Appointing separate **Executive Editors** and **Associate Editors** for different subject areas.
- Move to the **OJS platform** to enhance the journal's professionalism by integrating:
 - Plagiarism checks.
 - Copy editing, typesetting, and proofreading.
 - DOI generation for articles.
 - Social media management.
 - COPE membership.

Focus Areas

The journal covers a wide range of physics disciplines, including:

- Quantum Physics.
- Classical Physics (Mechanics, Electromagnetism, Mathematical Physics).
- Atomic, Molecular, and Optical Sciences.
- Nuclear, Particle, Radiation, and Medical Physics.
- Condensed Matter Physics.
- Thermal and Statistical Physics.
- Innovative Experiments and Demonstrations.
- Physics Education Research.
- Computer Simulations in Physics.
- Materials Science and Nanotechnology.
- Astronomy and Cosmology.
- Engineering Sciences (Electronics, Applied Physics, Role of AI/ML in Physics Teaching).

Types of Articles Published

1. **Regular Articles** – Pedagogic articles for UG and PG students.
2. **Innovative Experiments and Demonstrations.**
3. **Computer Simulations in Physics.**
4. **Physics Education Research.**
5. **Series Articles** – Reputed professors present historical and conceptual developments in physics.
6. **Tutorial Reviews** – Simplifying contemporary research for UG and PG students.
7. **Multidisciplinary Physics** – Biophysics, Quantum Chemistry, Plasma Physics, AI/ML in Physics, etc.
8. **Notes and Discussion** – Focusing on single-concept discussions.
9. **Book Reviews.**

CHIEF EDITOR			
Prof. O. S. K. S. Sastri, Professor of Physics, Central University of Himachal Pradesh			
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12	Engineering Sciences (Electronics, Applied Physics, Role of AI and ML in Physics Teaching)	Dr. Vandana Luthra	<i>Gargi College, Delhi University</i>