

## Editorial

The current trend in Undergraduate Physics education in many countries is marked with emphasis on the cultivation of innovation and creativity amongst the students through the promotion of research culture. USA has the program called REU i.e Research Experience for Undergraduates under which UG students visit national laboratories and universities during summer months to carry out research under the guidance of the inhouse scientists. India has a similar program called NIUS i.e National Initiative in Undergraduate Science. Other countries do have similar programs. Also, at any time, students, even at undergraduate level, keep coming with new ideas and calculations. Even when such works are creative and original, due to their limited scope, it is often difficult to publish these in standard research journals. To provide a platform to bring out this wide variety of creative research carried out by undergraduate students, there is a need for an appropriate international journal. Herewith we are happy to present such a forum, which we hope with cooperation and support from the concerned international community of students and teachers, will be able to serve the above need adequately.

Student Journal of Physics presented here is not a completely new journal. It originally started in 2004 in India under the auspices of the Indian Association of Physics Teachers (IAPT) with title PRAYAS: Students Journal of Physics with the objective of inculcating the spirit of research amongst the undergraduate students (upto M.Sc. level) of Indian universities. It got its recognition as a viable journal of substantial value and importance in 2012 when it got its international registration number ISSN 2319-3166 with a new title Student Journal of Physics - a better universal title without flavor of any nation or region. In its short life span of 13 years, it has undoubtedly spread awareness of the importance of innovation and research in undergraduate education partly manifested in the enthausiastic participation of large number of students in the newly created National Student Symposium on Physics being held annually since 2013.

The success of the above experiment has inspired us to enhance SJP potential by fully converting it into an international journal with active participation of students and scientists from other countries retaining the same title and Regd. Number. This new avatar of SJP commences its publication with the present issue. It has a new International Editorial Board and International Advisory Body comprising members from several countries, which will be expanded in the course of its journey. It will be an on-line journal, free of any cost to the authors, and freely available worldwide in internet.

SJP provides a platform for the undergraduate students to explore their creativity, originality and independence in terms of research articles, which may be written in collaboration with senior scientist(s), but with a very significant contribution from the student. The articles will be judged for suitability of publication in the following two broad categories:

1. **Project based articles**

These articles are based on research projects assigned and guided by senior scientist(s) and carried out predominantly or entirely by the student.

2. **Articles based on original ideas of student**

These articles are originated by the student and developed by him/ her with possible help from senior advisor. Very often an undergraduate student producing original idea is unable to find a venue for its expression where it can get due attention. SJP will address it with due seriousness.

Since SJP is concerned with undergraduate physics education, it will occasionally publish articles on education written by senior physicists.

L. Satpathy