

EDITORIAL

In this issue, we are delighted to include articles written by experts from different fields of science and technology. These articles were presented by the experts in the Webinar Series—Listening to Learn, organised by the Department of Education in Science and Mathematics, NCERT. It was felt that the topics discussed in the webinars will be of great value to the readers of School Science journal and hence, they have been presented in this issue. The experts were kind enough to convert their webinar presentations in the form of articles.

The article 'Multilevel Contours on Complex Planes' introduces a new concept called multilevel contours on complex planes that was developed in 2021 for the benefit of students in the Higher Secondary Stage which will strengthen their understanding about geometry principles. The article on 'Nuclear Radiations and their Applications' highlights the advantages of nuclear technology and weighs the benefits it will bring than the possible problems from this technology.

Arguments based on symmetry are quite common in Physics. The article 'Reflection Symmetry in Physics' discusses about the less-emphasised symmetry and the space reflection symmetry.

India, by virtue of its rich ancient knowledge systems have contributed globally beyond measure in the field of science and technology, including mathematics. Unfortunately, such knowledge is not appreciated as much as it should be. The articles 'Snippets of Ancient Indian Mathematics' and 'The Forgotten

Mathematical Legacy of Aryabhata' revisit India's landmark contributions in the field of mathematics. The former brings out the beauty and richness of studying problems from the perspectives of ancient Indian mathematics perspective while the latter brings out the pioneering contributions of Aryabhata to trigonometry.

Learning happens in the classroom but more learning happens outside of the classroom. There is so much we can learn when we step outside of the classroom or home—from the plants and animals that we see around. The article 'Learning Science from the Kitchen Garden' is a narration of experiences in a kitchen garden especially with respect to the morphology of flowering plants.

The challenges facing us due to environmental degradation is becoming more daunting by the day. Pollution of the soil, air and water or biodiversity loss are just some of the issues. The article 'Plastic Pollution: A Human Made Crisis' provides all the necessary information about plastic and its pollution. Soil pollution is another important issue that impacts not just the underground water but the whole soil ecosystem with many other implications. The article 'Soil-Water Quality Management' discusses on how to manage a polluted site.

Undoubtedly, India is now a leading player in the international space arena. We have seen several breakthroughs in the development of advanced technology in the area of space programme. Literally speaking, the sky is no more the limit! The article titled 'Indian Space Programme—A Brief Overview' takes

us to the journey India has taken in the field of space research and development.

A two-part article pertaining to all the presentations from the Listening to Learn webinars has also been included in this issue. It provides a ready-reference to access all the webinar presentations.

In addition to the articles, this issue also contains a section on Science News which provides information on the latest research findings, innovations, inventions, etc., in the area of science and technology.

We welcome your valuable suggestions. Happy reading and happy learning!