

EDITORIAL

In this issue, we have included a good mix of articles covering a wide range of areas such as science, mathematics and environmental education.

The article, 'Assessing the impacts of virtual learning during COVID-19 pandemic on students and teachers', brings to light the impact of virtual learning on the students and teachers and the challenges facing them during the transition from physical mode to the virtual mode of learning during COVID-19 pandemic. The purpose of this study was to see how online classrooms fared for professors and students in India in developing new skills and capacities that aided them and expanded their knowledge.

In the paper, 'Unconventional problems of ratio and proportion concerning distribution of three liquids and three rooms', the author has innovated and solved two problems associated with mathematical concept of ratio and proportion.

The next article, 'Empowering learners for the future: Integrating computational thinking in science and mathematics education', examines the significance of integrating computational thinking skills in the school curricula, focusing on science and mathematics subjects. Overall, the paper emphasises on equipping students with computational thinking skills to prepare them for the ever-evolving technological landscape and foster creativity and problem-solving abilities.

The article, 'An efficient method of slide preparation for study of bread mould across school curriculum', describes a simple technique for slide preparation by keeping it inside a moist chamber. This technique is useful for students from school to college education in the study of fungal morphology. This activity provides experiential learning and develops skills and several competencies including slide preparation, handling microscope, differentiating and classifying fungi on the basis of microscopic study.

As popular as it is, the concept of global warming is often not fully grasped by school students as it involves complex factors and interactions in the atmosphere. The article, 'Deciphering global warming for students at the secondary stage', attempts to provide a clear and comprehensive overview of global warming, designed specifically for secondary students to enhance their understanding.

The article, 'Implementing guided discovery learning in science classroom', throws light on how guided discovery learning is implemented in science classroom by providing appropriate examples. The article, also discusses the role of teacher and the rules that must be kept in mind while implementing this type of learning in classroom and also provides an opportunity to students for creation and discovering things through creative learning.

The National Achievement Survey is a test of the education systems for the districts at all India level, conducted for Classes III, V, VIII and X in different schools. The article,

'To study the reasons of low performance in the National Achievement Survey 2021 of Class VIII students with special reference to Jhabua district of Madhya Pradesh', discusses the result of a survey on the stated topic that aimed to measure the level of learning and achievement nationwide at the district level. The study attempted to find out the reasons for low performance in science in Jhabua district.

The article, 'Perceptions of the Upper Primary students on respiration and respiratory system', investigates the variety of probable misconceptions among 34 students of class VIII who have previously learned about the topic of respiration. By using open-ended questions and interviews, the authors

gathered both qualitative and quantitative data on these misconceptions and their origins. The article also highlights the importance of skill of questioning in the teaching-learning process as well as its efficiency to serve as a remedy of misconceptions.

In addition to the articles, this issue also contains pathbreaking research findings in different fields of science which have been picked from Science News. We sincerely hope that our readers will find the articles and news interesting and informative. Your valuable suggestions, observations and comments are always welcome to bring further improvement in the quality of the journal.

Happy reading and happy learning!