

EDITORIAL

Welcome to the March 2019 issue of the School Science Journal. In this issue, we explore the ever-evolving educational landscape and the relentless pursuit of knowledge. Our esteemed authors have shared their valuable insights on a variety of topics related to science learning. From the profound wisdom of ancient practices like yoga to the cutting-edge innovations of the modern virtual laboratory and the fundamentals of playful learning, where young minds take their first steps into the fascinating world of science, and so on. Hence, these articles paint a vivid picture of the exciting and ever-changing world of education.

Our first article 'YOGA— The Right Path to Health and Wellness' explores the profound impact of yoga on health, emphasising the holistic approach. The article, 'Review of Pre-school Period via Play-based Learning— A Stepping Stone of Learning Science' explores the foundational role of play-based learning in preschool education, igniting the curiosity of young minds and laying the groundwork for a lifelong love of science. The author stresses that the teachers and parents should provide congenial environment to children to explore the nature.

The article, 'Archimedes' Principle: Determination of Density of Unknown Liquids', guides readers through a practical experiment, illustrating the importance of hands-on experiences in grasping fundamental scientific concepts. This simple activity demonstrates the buoyancy

in classrooms and determines the density of an unknown solution using Archimedes' Principle by preparing a calibration chart using the solutions of known densities.

'Virtual Laboratories: A Positive Intervention in School Education' is an article that delves into the benefits of virtual laboratories, highlighting how they enhance students' understanding of complex scientific concepts. Virtual Labs are seen as a positive step towards democratising quality education, requiring continued investment and support from all stakeholders.

In the article 'Vedic Mathematics as a Maestro Technique for Secondary Science Learning' the authors introduce the benefits of Vedic mathematics in fostering a deeper understanding of science among secondary students. The integration of Vedic Mathematics with Science Education aims to make science content more relevant and beneficial by facilitating effective numerical problem-solving and fostering interdisciplinary collaboration between mathematics and science disciplines.

The article, 'Perceptions of Science Teachers on Experiential Learning' emphasised on the importance of experiential learning, especially for younger students with the strong perception. Education system needs to provide students with experiences of positive emotions, pedagogy that draws from each one's personal experiences and mobilise this knowledge and their personal skills.

The paper, 'A Study of K-12 Teachers'

Climate Change Knowledge in the United States' presents the findings of an online survey conducted among teachers in the United States about their climate change knowledge and other factors including teaching experience, grade level, subject taught, educational background, professional development attendance and whether teachers cover climate change in their curriculum, impacting their readiness to teach this critical topic effectively.

'Refinement of Multiple Choice Items Using Difficulty Index and Discrimination Power for Assessing Middle Stage Learners' Attainment in Science' is a research paper which proposes a systematic methodology

for analysing multiple-choice items using Item response theory for the development of assessment tools. The proposed tools will be used for measurement of conceptual learning in science among the learners of scheduled tribes dominated schools of Chhattisgarh.

Hence, our journal bridges the gap between tradition and innovation, theory and practice, all within the realm of science education. We hope that these diverse perspectives will inspire readers to continue their journey towards knowledge and wisdom in science education.

Happy reading and happy learning!