

EDITORIAL

The December 2018 includes an interdisciplinary approach to figure out the inquisitiveness of individual learners, teachers, or teacher-educators regarding different science subjects and domain areas through analysis. The current problems in multidisciplinary scientific, and educational aspects, which consist of physical, chemical, and biological sciences, are addressed. The current issue may raise awareness among teachers, teacher-educators, and students about their different queries.

The article 'Problem-based Learning in Basic Physics – XIII' discusses the usage of minimum mathematical knowledge and logical ability to solve problems in the light of physical laws. In the research paper 'Assessment of Science Laboratory Experiments (Physics, Chemistry, and Biology) in inculcating Science Process Skills at the Higher Secondary Level,' the author concludes that the level of understanding of Physics, Chemistry, and Biology is based on the laboratory skill test among the students.

The article 'Paris Agreement on Climate Change' creates awareness regarding the climatic conditions and discusses the ambitious Paris agreement action plan and the theme of India's 'Sustainable Lifestyle: Positive Climate Action' for COP22. The paper entitled 'Simple Classroom Method to Demonstrate the Law of Conservation of Mass' presents a simpler, safer, less time-consuming demonstration method to verify the law of conservation of mass using eco-friendly and locally available material. In the article 'Management of Biological Disaster,' the author discusses the bio-hazards, which have been assumed to be a serious problem

for health and the environment in recent years. The major findings of the article 'Assessment of Students' Understanding of Salt Hydrolysis: Misconceptions and Clarifications' show the importance of a practical approach in learning that teachers can adopt rather than restrict only to theoretical chemistry.

The article 'Computational Physics with Spreadsheet – III' illustrates the importance of MS Excel for better understanding the concepts of the superposition of waves in physics. The authors of 'Analysis of In-service and Pre-service Teachers' Understanding of Some Concepts of Biotechnology in Biology Curriculum" concludes in their present research study that there is a need to emphasise a practical approach on learning biotechnological concepts in the pre-service teacher education programme. Authors also recommend need-based well-designed capacity-building programmes for in-service teachers, which might be helpful to them for better delivery of biotechnological concepts in the biology curriculum during classroom teaching.

The research study on "The Relationship between Psychological stress due to the Socio-economic status (PSSSES) of Learners and their Achievements in Science" focuses on the impact of psychological stress due to low socioeconomic background on science learning. On the basis of results, authors have provided recommendations for policy makers and curriculum developers.

This issue also has the regular features 'Science News' and 'Web Watch' for readers. We wish all readers a fruitful reading. Your kind suggestions are always welcome.