

EDITORIAL

Research Studies in Science and Mathematics education show that problem-solving helps in understanding the concept and developing skills in the subject. From this issue, we are starting a series of articles that present a problem-based learning course which has been used successfully by Mody and Pradhan to build capacity of physics students. In the first article of this series, authors present the learning objectives in different areas of basic physics and explain what each problem tries to achieve with its solution.

“Experiment is the sole source of truth”, wrote Henry Poincare in 1905 in his famous book, “Science and Hypothesis”. Science activities form an integral part of teaching-learning of Science. However, the main obstacle in achieving this objective, in particular, in underdeveloped countries, has been the lack of resources. UNESCO launched its global micro science project in some countries 15 years ago to meet this objective. “Small is Beautiful” describes the UNESCO experiment and the success of the project. Mohapatra and Jha talk about LDL Cholesterol and its relation to human health. The

article goes into details of LDL Cholesterol and mechanism of plaque formation that lead to blocked arteries. In this issue, Abhas Mukherjee also invites readers to ‘Have Fun with Celebrating International Year of Chemistry - 2011’

A case study of Loktak Lake of Manipur has been made by A.A. Singh. It shows wetlands as the primary habitat for flora and fauna. It also emphasises the socio-economic importance of wetlands.

Concept map has emerged as an important tool for teaching-learning and assessment in science. Kanak Sharma talks about the importance of Concept Maps in Teaching Organic Chemistry. She also explains the method to construct the concept map. In the last article, we visit the topic of Laser and its Applications.

Like other issues, this issue also carries Science News and Webwatch.

Comments and suggestions are welcome from readers for improvement in the quality of the journal.