



## RESEARCH PERSPECTIVES IN SCIENCE EDUCATION

**DR. K. M. RAJAN\***

\* Principal

St. Joseph's Training College

Mannanam P.O., Kottayam - 686 561 Kerala, India

### ABSTRACT

*One of the concerns about education is that the average graduate is not as well-educated as the average graduate of 25 or 35 years ago. This state of affairs is to be accentuated even after another 25 years. What is wrong with the system of education? Several efforts have been made to revise the content of the textbooks, to try different methods of instruction, to change testing and grading procedures, to practice collaborative learning strategies rather than individual learning, to provide audio-visual materials to help learning and so on. However, these efforts did not produce satisfactory results. This article suggests five themes for future research in science education with a different focus. They are (1) nature of the learner, (2) curriculum, (3) teaching, (4) teacher and (5) new technologies. Many variables contributing to individual differences are known. Thus, researchers in science education must consider learner as the unit of analysis. The sample size, equating groups, sampling techniques are all relevant in research but those things may not inform us about the learner or the learning process. Comparing two groups of students may inform the trends of group but not that of an individual learner which is vital to the understanding about the learner.*