

**INDIAN ACADEMY OF SCIENCES
BANGALORE 560 080**

Resonance – journal of science education

Introduction

The Indian Academy of Sciences has, since 1996, been publishing Resonance. This is part of an initiative by the Academy to contribute to improvement in university science education, particularly at the undergraduate level. The journal addresses undergraduate students and teachers of science. However, to a reasonable extent, material of interest to students at the +2 level as well as to postgraduate and research students is included. A brief description of the journal follows.

Philosophy and character of the journal

The journal aims to enrich the processes of learning and teaching science, by providing material of value to both students and teachers. It tries to achieve a level of scholarlyness, while being aesthetically pleasing, attractive, engaging and accessible to the reader. The overall emphasis is on pedagogically useful material, and the aim of popularizing and describing science to a general audience is also kept in mind. An attempt is made to achieve a style of writing that captures the attention of specialists, while educating students and helping teachers.

The journal, among other things, addresses those parts of science syllabi which by common experience are difficult to grasp as well as to teach, and provide well-written material which strengthens concepts, arguments, and connections between fields. It also helps to inculcate an understanding of the experimental method and rational thinking, and an appreciation in general terms of science as a human activity, its relationship to society, and as an important component of culture in the contemporary world.

Structure of Resonance

A balanced coverage of all areas of science and engineering is attempted in each issue, to make it possible for a student in one branch to read about other areas without artificial boundaries.

The journal has well illustrated articles and attractive regular features which readers can look forward to with anticipation.

1. Series Articles

These are spread over several (say 5-8) successive issues, exploring a theme or topic from several points of view.

2. General and classroom articles

These are individual contributions, of flexible length, intended to be educative and informative. They may deal with particular aspects of a subject in a technical manner, describe scientific advances, strengthen the understanding of key concepts, etc.

3. Featured scientist and related articles

Every issue features a well-known scientist on the backcover. Articles relating to her/his life and work are covered extensively by eminent scientists. Often we reproduce under classics, or Reflections section, an article/excerpts by the featured scientist.

4. Others

- a) *Feature articles under categories like "Nature watch", "What's new in computers?", and "Molecule of the month appear now and then.*
- b) *Book Reviews of old and new classics, good quality textbooks, popular science books of interest to students as well as general readers, are reviewed on a regular basis.*
- c) *Every year, in-depth articles by experts on the Nobel Prizes (physics, chemistry and physiology/medicine) are published.*
- d) *Research News, Think-it-over, personal reflections, etc. are some of the other features of this journal.*
- e) *High quality articles on science and issues related to science which have appeared elsewhere and written by leading figures in science are reprinted on a very selective basis. The aim is to provide "Inimitable classics" to readers, and not merely newspaper and magazine clippings from science correspondents.*

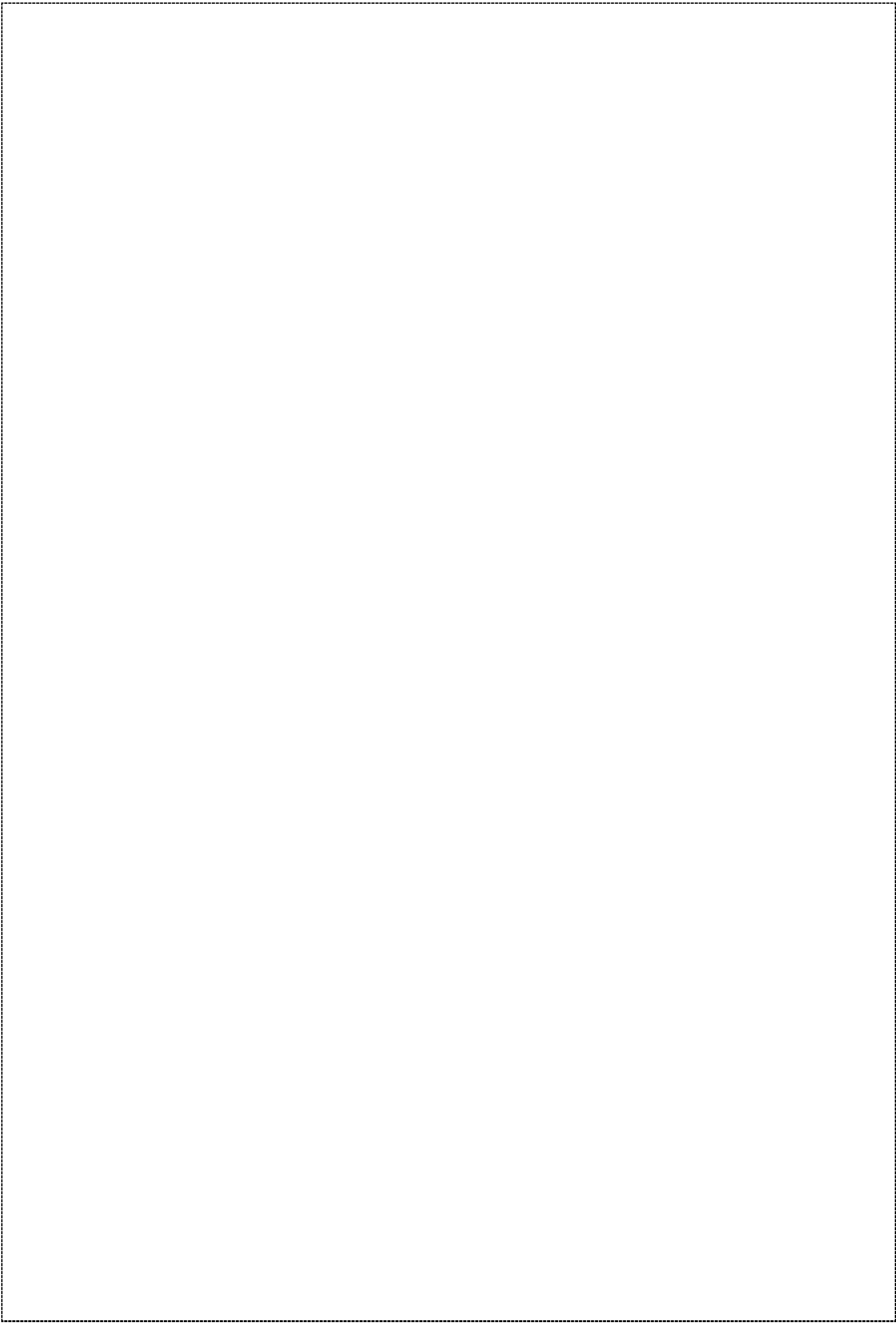
5. Information and announcements:

This provides information of direct interest to students, such as scholarships, fellowships, schools, workshops and new courses. Information about various research organizations and their activities/facilities are described in detail.

Subscription rates:

<i>India (₹)</i>		
	<i>Institutional</i>	<i>Personal</i>
<i>12 issues</i>	<i>700</i>	
<i>24 issues</i>	<i>1300</i>	<i>600*</i>
<i>36 issues</i>	<i>1900</i>	<i>800</i>
<i>60 issues</i>	<i>2800</i>	<i>1200</i>

** personal subscriptions are accepted for a minimum period of two years.*



Resonance

Published by the Indian Academy of Sciences

Editor-in-Chief: Sury, B.

ISSN: 0971-8044 (print version)

ISSN: 0973-712X (electronic version)

Journal no. 12045