

Guidelines for Authors

Resonance - *journal of science education* is primarily targeted to undergraduate students and teachers. The journal invites contributions in various branches of science and emphasizes a lucid style that will attract readers from diverse backgrounds. A helpful general rule is that at least the first one third of the article should be readily understood by a general audience.

Articles on topics in the undergraduate curriculum, especially those which students often consider difficult to understand, new classroom experiments, emerging techniques and ideas and innovative procedures for teaching specific concepts are particularly welcome. The submitted contributions should not have appeared elsewhere.

Manuscripts should be submitted in *duplicate* to any of the editors. Authors having access to a PC are encouraged to submit an ASCII version on a floppy diskette. If necessary the editors may edit the manuscript substantially in order to maintain uniformity of presentation and to enhance readability. Illustrations and other material if reproduced, must be properly credited; it is the author's responsibility to obtain permission of reproduction (copies of letters of permission should be sent). In case of difficulty, please contact the editors.

Title Authors are encouraged to provide a 4-7 word title and a 4-10 word sub-title. One of these should be a precise technical description of the contents of the article, while the other must attract the general readers' attention.

Author(s) The author's name and mailing address should be provided. A photograph and a brief (in less than 100 words) biographical sketch may be added. Inclusion of phone and fax numbers and e-mail address would help in expediting the processing of manuscripts.

Summary and Brief Provide a 2 to 4 sentence summary, and preferably a one sentence brief for the contents page.

Style and Contents Use simple English. Keep the sentences short. Break up the text into logical units, with readily understandable headings for each. Do not use multiple sub sections. Articles should generally be 1000-2000 words long.



Illustrations Use figures, charts and schemes liberally. A few colour illustrations may be useful. Try to use good quality computer generated images, with neatly labelled axes, clear labels, fonts and shades. Figure captions must be written with care and in some detail. Key features of the illustration may be pointed out in the caption.

Boxes Highlights, summaries, biographical and historical notes and margin notes presented at a level different from the main body of the text and which nevertheless enhance the interest of the main theme can be placed as boxed items. These would be printed in a different typeface. Such a boxed item should fit in a printed page and not exceed 250 words.

Suggested Reading Avoid technical references. If some citations are necessary, mention these as part of the text. A list of suggested readings may be included at the end.

Layout It is preferable to place all the boxes, illustrations and their captions after the main text of the article. The suggested location of the boxes and figures in the printed version may be marked in the text. In the printed version, the main text will occupy two-thirds of each page. The remaining large margin space will be used to highlight the contents of key paragraphs, for figure captions, or perhaps even for small figures. The space is to be used imaginatively to draw attention to the article. Although the editors will attempt to prepare these entries, authors are encouraged to make suitable suggestions and provide them as an annexure.

Book Reviews

The following types of books will be reviewed : (1) text books in subjects of interest to the journal; (2) general books in science brought to the attention of students/teachers; (3) well-known classics; (4) books on educational methods. Books reviewed should generally be affordable to students/teachers (price range Rs.50 to 300).

New books will get preference in review. A list of books received by the academy office will be circulated among the editors who will then decide which ones are to be listed and which to be reviewed.



Acknowledgements

Resonance gratefully acknowledges the help received from the following individuals and establishments:

Rohini Godbole, N Kumar, D Narasimha, S Ramasubramanian, Jayant Rao, V Ravi, Joseph Samuel, Supurna Sinha, Cherian Varughese.

Our special thanks to Dr K N Raju, Director, National Aerospace Laboratories (NAL) for graciously agreeing to offer NAL facilities in the production of the journal.

The photographs on the cover page were taken by Mr Dilip Kumar, of ITI, Bangalore and a member of the Association of Bangalore Amateur Astronomers. Mr Dilip Kumar ground and polished a special mirror just to take these eclipse photos.

Errata

Page 111 of *Resonance*, Vol. 1, No. 1 (1996)

The text "Richard Feynman ... shared the Nobel Prize in 1964..." should read "Richard Feynman ... shared the Nobel Prize in 1965..."

Annual Subscription Rates

	Personal	Institutional
India	Rs 100	Rs 200
Third World Countries	US \$ 25	US \$ 50
Other Countries	US \$ 50	US \$ 100

Send your subscriptions by cheque, DD or MO in favour of "Indian Academy of Sciences" to Circular Department, Indian Academy of Sciences, C V Raman Avenue, PB No. 8005, Bangalore 560 080, India.

