

## NOTES FOR CONTRIBUTORS

### **Aims and scope**

Indian Journal of Physics, the prestigious journal is being published by the Indian Association for the Cultivation of Science (IACS) since 1926. Sir C. V. Raman was the founder and first editor. The second volume of the Journal published his famous article "A New Radiation", reporting the discovery of Raman Effect. In India, this is the oldest journal in Physics and the contributors are from all over the world.

The journal is devoted to the publication of original scientific research results in the form of full papers and short notes. New preliminary work of importance is considered for publication under the Rapid Communications section. It also publishes Review Articles from time to time. The Journal emphasizes both fundamental and applied research work in Physics. The journal also publishes Reviews on books under Book-Reviews section.

Proceedings of National and International Symposia held in India and Annual Endowment Lectures of IACS are also published from time to time. In addition, Special issues dedicated to distinguished physicists are also brought out.

Indian Journal of Physics is published monthly, containing 12 regular issues in a year from January to December.

### **Manuscript Submission**

Submission of a manuscript implies: that the work described has not been published before; that it is not under consideration for publication anywhere else; that its publication has been approved by all co-authors, if any, as well as by the responsible authorities – tacitly or explicitly – at the institute where the work has been carried out. The publisher will not be held legally responsible should there be any claims for compensation.

### **Permissions**

Authors wishing to include figures, tables, or text passages that have already been published elsewhere are required to obtain permission from the copyright owner(s) for both the print and online format and to include evidence that such permission has been granted when submitting their papers. Any material received without such evidence will be assumed to originate from the authors.

### **Online Submission**

Authors must submit their manuscripts online at <http://www.editorialmanager.com/injp> Electronic submission substantially reduces the editorial processing and reviewing times and shortens overall publication times. Please follow the hyperlink "Submit online" on the right and upload all of your manuscript files following the instructions given on the screen.

Please click the 'Login' button from the menu above and log in to the system as 'Author'.

Then submit your manuscript and track its progress through the system. A wide range of submission file formats is supported, including: Word, WordPerfect, RTF, TXT, TIFF, GIF, JPEG, EPS, LaTeX2E, TeX, Postscript, PICT, Excel, Tar, Zip and Powerpoint. PDF is not an acceptable file format.

## **Preparation and Submission of Manuscripts**

The followings are the requirements which should be met before submission of the manuscripts to Indian Journal of Physics.

### **(i) Manuscript**

The original typescript for a **full paper** should have double spacing and a wide margin (Single Column, print area - 21 cms × 14 cms). The title page should contain title, author(s), address(es), abstract, PACS Nos. and Keywords. The main text should start on a new page. All pages should be numbered. The paper must be divided into sections starting preferably with 'Introduction' and ending with 'Conclusions'. The main sections should be numbered as 1, 2, 3, *etc.* and the subsections as 2.1, 2.2, 2.3 *etc.*

**Rapid communication** is devoted to the announcement of timely and important results. Contributions to this and **Note** sections should not exceed 8 typed pages (double spaced), including figures, equations, tables and references. They should follow the same style and format as the full paper except that they need not be divided into sections.

The **Review Article** in frontier topics must be prepared as per format of the full paper. Such article should have a coverage of 25-50 printed pages of the journal. Three copies of the extended abstract along with a plan of the article and short bio-data of the reviewers, must be sent prior to the communication of the review article.

Manuscripts of the **Proceedings of conferences** may be submitted (after being refereed and properly edited by the Convener/Guest Editor) in a Camera-ready format. A prior approval from the Board of Editors is, however, mandatory for its publication. Such articles may be reviewed again by the Editor-in-Chief.

**Final version of the Manuscript (after being accepted and edited) must be submitted containing the Text in MSWORD / LaTeX, and the Figures in Post Script Files before it is scheduled for publication.**

### **(ii) Title**

The title should be brief and yet convey to the informed reader, the particular nature of the contents of the paper.

### **(iii) Address**

The Name(s) of the author(s) and address(es) of the institute where the research work was done, should be indicated. The name of the author to whom correspondence is to be addressed, should be underlined. The present address(es) of the author(s), if it is different, may be given as a *foot note*. E-mail address of the corresponding author must be provided.

### **(iv) Abstract**

An abstract of less than 200 words is required. It should contain the essence of the result achieved.

### **(v) Keywords and PACS numbers**

Appropriate **Keywords** and **PACS Nos.** (*Physics and Astronomy Classification Scheme of American Institute of Physics*) (not more than six) must be provided for indexing and information retrieval services. PACS is available online (<http://www.aip.org/pacs/>).

### **(vi) Text**

In the preparation of text, the authors should pay attention to the language (usage of words, grammar and construction of sentences), logical presentation, enumeration of assumptions made, justifications of approximations made *etc.* and all the limitations must be stated whenever and wherever necessary. Moreover, a paper must be self-contained, its presentation being clear, concise and satisfactory.

### **(vii) Figures**

The number of figures should be kept to the minimum. Each figure must be referred to in the text, be numbered and have a caption. The captions should be typed on a separate sheet. The appropriate place of the figure should be indicated in the margin of the text. Axes of figures must be labelled properly. The letterings as well as the essential details be inserted in all the submitted copies. Waste space at the top and bottom should be avoided. After acceptance, electronic files for the figures (Post Script Files) are to be submitted.

### **(viii) Tables**

Tables should be typed on separate sheets and each table should have a number and a self-explanatory title. Column headings of tables should be brief. Footnotes to the tables, if any, should be identified by superscript letters and placed at the bottom of the table. When papers include extensive tabular material or appendices, which may be of

interest to relatively few readers, the material should be deposited with the Editorial Office.

### **(ix) Formulae**

Displayed formula should be numbered; typed or written by hand clearly and unambiguously. Vectors, special symbols, superscript and subscripts *etc.* should be identified with proper signs in the manuscript. Long equations should be avoided as much as possible, by introduction of suitable abbreviations of component expressions. International conventions in the choice of symbols, units and notations should be followed.

### **(x) References**

All references referred to text, tables and figures of a manuscript must be combined in a single list, numbered consecutively in their order of first appearance and arranged in the same order at the end of the text material. They should be cited in text by Arabic numerals in square brackets at appropriate places of a sentence, for example [1-5] *etc.* The references cited should be limited to the absolute minimum and the list to be submitted in a separate sheet containing names of all authors ('*et al*' is not allowed). They should be as complete as possible and be presented as follows :

[3] U Fano and A R P Rao *Atomic Collisions and Spectra* (New York : Academic) **Vol 1**, Ch 2, Sec 4, p 25 (1986)

[7] T Atsumi, T Isihara, M Koyama and M Matsuzawa *Phys. Rev.* **A42** 6391 (1990)

[11] T Le-Brun, M Lavolleé and P Morin *X-ray and Inner Shell Processes* (AIP Conf. Proc. 215) (eds) T A Carison, M O Krause and S Manson (New York : AIP) p 846 (1990)

[14] S B Hansen, K B MacAdam and L G Gray *12th Int. Conf. on Atomic Physics* (Ann. Arbor) Abstracts px- 12 (1990)

[15] H Pauly *Atomic and Molecular Beams Methods* (eds) G Scoles, D Bassi, U Buck and D Laine (London : Oxford University Press) p 83 (1988)

[19] W Fritsch (private communication) (1988)

[21] K B MacAdam (to be published) (1991)

[23] T Roy *PhD Thesis* (University of Calcutta, India) (1992)

### **(xi) Footnotes**

As far as possible, footnotes should be avoided.

## **(xii) Appendices**

All appendices should be numbered consecutively and typed on separate sheets. **Manuscripts which do not conform to these conventions are returned to the authors immediately.**

## **Corrections and Modifications**

Authors are requested to exercise utmost care in preparation of manuscripts so that there is little need to incorporate alterations at the final stage. Extensive modifications at this stage are not allowed.

### **IMPORTANT INSTRUCTIONS TO THE CONTRIBUTORS**

The authors are requested to include the following important Information in their Covering Letters submitting the papers to Indian Journal of Physics.

*(i) The mailing address of the Corresponding Author with E-mail, Fax and Phone Nos.*

*(ii) A list of Potential Referees with postal and e-mail addresses for the submitted Manuscript.*

*(iii) The specific Field under which the Manuscript is to be placed.*

*(iv) Whether the Manuscript should be published as (a) Review, (b) Full paper, (c) Short note, (d) Rapid communication.*

*(v) Justification if the Manuscript is to be published as a Rapid Communication.*



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