

Orissa Journal of Physics

Instructions to Authors

General

Contributions to *Orissa Journal of Physics* are welcomed from throughout the world. Papers previously published cannot be accepted for the journal and papers submitted to and accepted by *Orissa Journal of Physics* should not be published elsewhere. The author or the corresponding author of a multi-authored paper is required to complete, sign and send the Publication Authorization and Copyright Transfer (PACT) form to the Editorial office.

Manuscripts should be typed in double space on one side of the A4 size good quality white bond paper leaving ample margins on all sides. The manuscripts must be prepared neatly and concisely in English. Authors are encouraged to obtain assistance in the editing of their papers for proper and consistent use of English prior to submission. In the interests of speed, manuscripts should be copy edited and authors are requested to check their texts carefully before submitting so that proofs will require only corrections of typographical errors.

Authors of articles are invited to submit three copies of their papers prepared strictly in accordance with the following specified guidelines for manuscript preparation along with duly filled in PACT form to the Editor (Circulation), Centre for Academic and Social Advancements, B/86, Krishna Garden (Phase-II), Jagamara, Bhubaneswar – 751030 (Orissa), India or through e_mail to babitapani@gmail.com with the attachment of the paper preferably prepared in MS_Word. Electronic files in LaTeX are also acceptable. The typed text should be prepared using Times Roman / CG Times 12 point font.

Guidelines for Manuscript Preparation

Title Page: The first page must bear

- (a) title of the manuscript
- (b) the initials; and the names of the authors
- (c) names and addresses of the institutions where the work was carried out
- (d) the permanent or present addresses of the authors

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- (e) corresponding author should be specially earmarked with a superscripted dagger ‘†’ symbol.
- (f) the Physics and Astronomy Classification Scheme (PACS) Number for the manuscript

The submitted manuscript should have an abbreviated running title of not more than 50 characters including spaces. The title should be specific and contain words useful for indexing.

Abstract: All papers must have an abstract of not more than 200 words. The abstract should be comprehensive to readers before they read the paper and abbreviations and reference citations should be avoided. The abstract should indicate the general scope of the paper, the important findings and the conclusions drawn.

Keywords: Between 3 and 6 keywords must be provided for indexing and information retrieval services.

PACS Numbers: Provide at least three and upto four PACS numbers with the first number being the most appropriate e.g. (12.27 Vf). Use PACS 2006 version.

Text: The manuscript must be divided into sections preferably starting with ‘Introduction’ and ending with ‘Conclusions’. The main sections should be numbered in Arabic numerals 1, 2, 3 etc. and the subsections as 2.1, 2.2 etc.

Mathematical Material: Equations must be clearly written, each on its own line, well away from the text. All equations must be numbered consecutively in Arabic numerals with the number in parentheses near the right hand margin.

Tables: All tables must be numbered consecutively in Arabic numerals (e.g. Table 3) in the order of appearance in the text. The tables should be self-explanatory with a brief descriptive title. Column headings of tables should be brief. Table title and column headings should be bold faced. Extensive tables will be reproduced photographically and should therefore be typed carefully and in the exact format desired. Footnotes to the tables, if any, should be identified by superscript symbols and placed at the bottom of the page containing the table.

Figures: All figures, including photographs (which must be glossy prints) should be numbered consecutively in Arabic numerals in the order of occurrence in the

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text. Figure parts should be denoted by lower case letters (a, b, c etc.). Figure captions must be the concise depiction of figures and should be typed on a separate sheet. Curves should be drawn sufficiently thick and lettering should be large enough so that they remain legible after reduction to one half or even one third of the original size. The lettering size should be kept consistent throughout the final-sized artwork, usually about 2-3 mm (8-12 pt.). Shading/ outline effects for the letters should be avoided and Helvetica or Arial fonts may be preferably used. The symbols ○ ● □ ■ △ ▲ ▼ ◇ ◆ ☼ ☿ should be used in line drawings. Halftone figures i.e. photographs, drawings or paintings with fine shadings should have a minimum 300 dpi resolution.

Electronic Figure Submission:

- Figures in electronic/ soft form with graphics program used to create the artwork are preferred.
- For vector graphics, the preferred format is eps (encapsulated post script)/ ps (post script) and for halftones, please use the TIFF format. MS Office files are also acceptable.
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Footnotes: Use of Footnotes in the text should be avoided.

References: References should be cited in the text of the manuscript as consecutive numerals inside the square brackets in the same line and the list should be placed at the end of the article (not as footnote on each page) in numerical sequence. Some of the most frequently occurring cases are presented as follows:

- [1] D A Clarke, F S Philips, S. Stenberg and C C Stock, *Ann. N.Y. Acad. Sci.* **60**, 235 (1982)
- [2] K R Rai, B L Peterson, F R Appelbaum, J Kowitz, L Elias, L Shepherd, J Hines, G A Threatte, R A Larson, B D Cheson and C A Schiffer, *N. Engl. J. Med.* **343(24)**, 1750 (2000)

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- [3] G Socrates, *Infrared characteristic group frequencies*, 1st Edition (John Wiley, Chichester, UK, 1980)
- [4] L L Bennet and J A Montgomery, *Methods in cancer research* edited by H Busch (Academic Press, New York, 1967) Vol. III
- [5] K C Mittal, *Gigawatt pulsed relativistic electron beam generation studies in vacuum and gas-filled diodes*, Ph.D. Dissertation (University of Bombay, Mumbai, 1986)

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Appendices: Appendices should be labelled as A, B, etc. and the equations appearing in them be labelled as A1, A2, B1, B2 etc.

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Proofs: pdf file of the formatted proof will be sent to the corresponding author. If the corrections are not received within a reasonable time, it will be assumed that the authors have no correction to make.

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