

INDIAN JOURNAL OF CHEMISTRY

GUIDE TO AUTHORS

The Journal Scope and Editorial Policy

The Indian Journal of Chemistry (IJC), a monthly journal, publishes papers in the areas of inorganic chemistry (synthetic and structural inorganic chemistry, inorganic reaction mechanisms), solid state chemistry, photochemistry, thermodynamics, spectroscopy, electrochemistry, theoretical and computational chemistry, organic chemistry (organic reaction mechanism, synthesis of chiral compounds, bio-organic chemistry, enzymes in organic synthesis, chemoenzymatic and enantioselective synthesis of organic compounds, metal-catalyzed asymmetric reactions), medicinal chemistry, natural products, analytical chemistry and materials chemistry.

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Manuscripts will be considered for publication as Rapid Communications, Papers, Notes or Reviews.

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Manuscripts should be prepared in grammatically correct English. MS Word should be used for inputting the text using Times New Roman (12 pts) and symbols (12 pts). Equations should be input in 11 pts using Equation Editor and set to within 8.5 cm width. The equations may be split to more than one line, if necessary. Equations should be numbered as ... (1), ... (2), etc. Tables should be input using the Table Editor and not tabs or spaces. The text should be typed with 1.5 line spacing with margin of 1" on all sides. The entire manuscript should be prepared as one file. The Tables should be inserted after the text, followed by the figure captions and the figures.

The material should be presented in the following order: (i) Title of paper; (ii) Name(s) of author(s); (iii) Institute and address of author(s); (iv) Abstract; (v) Introduction; (vi) Experimental Details; (vii) Results and Discussion; (viii) Conclusions; (ix) Acknowledgement; (x) Supplementary Data; (xi) References; (xii) Graphical abstract. All tables and figures should be given at the end of the article.

Title

It should be useful in indexing and information retrieval. If an article forms part of a series, a sub-title indicating the aspects of the work covered in the present article should be provided. The title of an article should include names and not formulae of chemical substances and should not contain abbreviations. A short title suitable for use as a running title should also be given.

Authorship

The initials and surnames of all the authors should be given, elaborating an initial only if it is necessary for identification. The complete address where work has been performed should follow the names of the authors. If the present address of an author is different, it should be given as a footnote. The author for correspondence should be indicated by (*). The email address of the author for correspondence is essential.

Abstract

The abstract should be informative and indicate the scope and principal findings of the study. It should normally not exceed 200 words or ~3 % of the length of the paper.

Introduction

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background discussion should be brief and restricted to pertinent material, i. e., what is necessary to indicate the reason for undertaking the research and essential background. Extensive reviews of previous work should be avoided.

Experimental Details

This section should be clearly stated with sufficient details to enable others to repeat the study. New methods should be described in detail, but if the methods are already known, a mere reference with modifications, if any, will suffice. General reaction conditions should be given only once.

Results and Discussion

It is desirable to combine the results and discussion under one section, with the results given first followed by a discussion of its significance. This aids easy understanding of the results obtained. Discussion should deal with interpretation of results without repeating the information already presented as results. It should relate the new findings to the known and include logical deductions.

Only primary data essential for following the discussion and the main conclusions emerging from the study should be included. Secondary data may be retained by the authors for supply on demand. SI units and associated conventions should be used throughout. Same data should not be presented in tabular and graphic forms.

Tables & Illustrations

Tables must be given on separate sheets after the references and numbered sequentially in order of first appearance in Arabic numerals. **Tables** should bear brief titles. Column headings should be brief and units of measurement (SI units) should be abbreviated and placed below the headings. **Tables** should be referred to in the text as Table I, Table II, etc.

All illustrations must be numbered consecutively in Arabic numerals and referred to in the text as Fig. 1, Scheme I, etc. All illustrations should be of either column width (7.5–8.5 cm) or page width (12–17.5 cm) and should not require any reduction. Lettering in the illustrations should be Arial font 7–8 pt, not bold (or 9 pt Times New Roman, not bold). For graphs, axes labels should be in 8 pt Arial (or 9 pt Times New Roman) and given as: Parameter (Units) [e.g. λ (nm), Time (min)]. Curves should be labeled as 1, 2, and parts of figures as (a), (b), etc. For photographs and images, high quality digital images should be provided. Coloured illustrations should be saved in the CMYK mode with a resolution of 300 dpi. Half tones and black and white illustrations should be as bitmap/grayscale with a resolution of 200 dpi. Captions and legends to the figures should be self-explanatory and should be given on a separate sheet after the tables. The illustrations should be placed after the captions and also sent in tiff/ jpeg formats separately.

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Nomenclature

The nomenclature should conform to the Definitive Rules for Nomenclature of the International Union of Pure and Applied Chemistry and the practices of Chemical Abstracts. Some pertinent references are:

- (i) *Nomenclature of Inorganic Chemistry*, 3rd Edn, (Blackwell, Oxford) 1990; Indian Edition (Jain Interscience, Delhi) 1994, "Red Book".
- (ii) *Quantities, Units and Symbols in Physical Chemistry*, 2nd Edn, (Blackwell, Oxford) 1993, "Green Book".
- (iii) *Compendium of Macromolecular Nomenclature*, (Blackwell, Oxford) 1991, "Purple Book".

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Conclusions

The conclusions should not summarise information already presented. It should stem directly from the data presented, without any extra material. It should highlight the novelty and significance of the study.

Acknowledgement

This should be brief and should acknowledge funding agencies (with grant/project details) and other special assistance. Trivial formalities like permission to carry out the study, etc., should be avoided.

References

References to literature, numbered consecutively, must be placed at the end of the paper. In the text, these should be indicated by numbers and placed as superscript before the punctuation mark [e. g., The ionic liquids are highly polar solvents^{10,19}, and a large number of photophysical studies are reported in these media²⁰⁻²⁴].

In citing references to research papers, surnames and initials of authors should be followed, in order, by the title of the periodical in the abbreviated form (italics), the volume number, the year within circular brackets and the page reference [e.g. Dewan A, Kakati D K & Das B K, *Indian J Chem*, 49A (2010) 39]. The name of all the authors should be given and abbreviations like *et al.*, *idem* and *ibid* should be avoided. For names of periodicals, the standard abbreviations listed in the World List of Scientific Periodicals edited by William Allan Smith & Francis Lawrence Kent (Butterworths Scientific Publications,

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Graphical Abstract

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