

INDIAN JOURNAL OF GEO MARINE SCIENCES

Instructions to Authors

SCOPE

The Indian Journal of Geo Marine Sciences (IJMS; Indian J Geo-Mar Sci), a multidisciplinary, peer-reviewed monthly periodical devoted to the publication of communications relating to various facets of research in Marine sciences. The articles should contribute significantly to physical oceanography including climate change; chemical oceanography including marine pollution; biological oceanography including aquatic biology and fisheries; geological oceanography including geochemistry, micropalaeontology, marine archaeology and marine geotechniques; satellite oceanography; and marine instrumentation/engineering and naval architecture. For more details on subject areas please visit. Therefore, original research, review articles and book reviews of general significance to marine sciences excluding core geosciences which are written clearly and well organized will be given preference. Authors are required to read the '**Instruction to Authors**' guidelines thoroughly before preparing the manuscript.

NATURE OF MANUSCRIPTS

Research articles, review articles, short communications, book reviews, meeting reports, and historical commentaries/notes are the categories of manuscripts to be submitted to IJMS.

Research articles [should not exceed 6000 words; display items should be limited to 10 numbers including tables and figures; and references should be limited to 40-45] discuss current trends in research in marine sciences that would be of interest to readers outside the field. The articles should include an appropriate title, abstract, keywords, introduction, materials and methods, results, discussion, conclusions, references, and appropriate illustrations including tables, figures and supplementary information that will help a general reader. The author(s) should also provide acknowledgements and funding details, conflict of interest, and author's contribution statements, at the end of the manuscript before reference section.

Review articles [should not exceed 8000 words, display items should be limited to 10 numbers including tables and figures; and references should be limited to 70-80] survey and discuss the current developments in fields related to marine sciences. They must dwell more on research work done during the last couple of years in the field and authors should integrate their own work with that of others with acumen and authenticity, mere compilation of references by a third party is discouraged.

Book reviews [should not exceed 1000 words] should feature commentary on new book(s) that are likely to be of broad interest to our readership.

Kindly contact the Journal Editor at ijms@niscair.res.in before you begin preparing your review articles/book reviews, indicating why you believe the work would be of interest to IJMS readers, and why you are well-positioned to write the review.

Short communication [less than 1500 words; display items should be limited to 04 numbers] serves to rapidly communicate important new findings.

Contributions dealing with technical advances or advances in instrumentation will be published as **Technical notes**.

Meeting reports [less than 800 words] deal with highlights/ technical contents of a conference/ symposium/ discussion-meeting, etc. conveying readers the significance of important advances.

Historical commentary/notes [limited to about 2000 words] inform readers about interesting aspects of personalities or institutions of marine sciences, and about developments of marine sciences. Illustrations and photographs are welcome.

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Authors should submit their manuscripts online at: <http://op.niscair.res.in/index.php/IJMS>. Submission of a manuscript to this journal implies that it is not under consideration for publication elsewhere. Author (Corresponding) may provide names of four potential reviewers including at least two active foreign researchers of repute along with their complete postal and email addresses.

PREPARATION OF MANUSCRIPT

General Style: Manuscripts should be presented as concise as possible, and should be typed in Times New Roman, 12 fonts and in double line space. The main manuscript file should be typed in single column; and each page and line should be numbered using standard MS-Word insert and page layout options. The matter should be arranged in the following order: Title, Name(s) of Author(s), Department(s) and Institution(s) details; Abstract; Keywords; Introduction; Materials and methods; Results; Discussion; Acknowledgement; Conflict of Interest statement, Author(s) contribution, References and Appendix/Supplementary data. Legends to Table and captions for Figures should be typed on separate pages at the end of the manuscript.

Symbols, units and nomenclature as recommended by the International Association for the Physical Sciences of the Ocean should be used [*The international system of units (SI) in oceanography: Unesco technical papers in marine sciences, no. 45, IAPSO Publication Scientifique no. 32; <http://www.vliz.be/imisdocs/publications/ocrd/259194.pdf>*]

Special attention should be given to the mathematical portions of the paper. Equations must have variable parameters in *italics* and the constants in roman. Superscripts, subscripts, capital and small letters as well as letters or symbols likely to be confused one for the other should be clearly distinguished.

Title: The title should be such as to be useful in indexing and information retrieval. If a paper forms part of a series, a subtitle indicating the aspects of the work covered in the paper should be provided. Title should not be too long. It should be brief and self-explanatory. Only the first letter should be in Capital and rest in lower case and in regular font. A short running title should also be supplied (length not exceeding 50 characters).

Abstract: The abstract should indicate the scope and significant content of the paper, highlighting the methodology adopted, principal findings and conclusions. It should be in such a form that abstracting periodicals can use it without modification. For full papers, it should not exceed 250 words and for short communications, about 100-150 words.

Keywords: Authors must provide 4 to 6 carefully chosen keywords, separated by comma and arranged alphabetically. First letter of each keyword should be given in capital letter.

Introduction: The introductory part should be brief and state precisely the scope of the paper. A brief background indicating why this particular subject has been chosen for the study should be reported. Literature review should not exceed what is necessary to indicate the reason for the research undertaken and the essential background.

Materials and Methods: The nomenclature, the source of materials and the procedures should be clearly stated to enable other workers to repeat the work, if necessary. New methods should be described in sufficient detail, but if the methods are already well recognized, a mere reference to them will do; deviation, if any, should, however, be given. Details of statistical analysis, if carried out should also be provided with proper references.

Results: Only such data as are essential for understanding discussion and main conclusions emerging from the study should be included. The data should be arranged in a unified and coherent sequence so that the report is developed clearly and logically. The same data should not be presented both in tabular and graphic forms. Only such tables and figures as are necessary should be given. Interpretation of the data should be taken up under discussion; in some cases, however, it may be desirable to combine results and discussion in a single section.

Discussion: Long, rambling discussions should be scrupulously avoided. The discussion should deal with the interpretation of results without repeating information already presented under results section. It should relate the new findings to the known, and include logical deductions.

Conclusions: The conclusion should be limited to 100 words, highlighting the principal findings and results. It should explain the significance of the results. Authors may also state future perspectives and may provide recommendations based on the results.

Acknowledgements: Acknowledgements should be brief and for specific assistance only including details of grants from funding agency(s), if any.

Conflict of Interest Statement: Authors should declare no competing or conflict of interest.

Author(s) Contributions: For transparency, we encourage authors to submit an author statement outlining their individual contributions to the paper such as Conceptualization; Formal analysis; Funding acquisition; Investigation; Resources; Software; Supervision; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be provided using the initials of the names of authors. Example: Charu Lata should be written as CL.

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If necessary, authors may cite a reference by name in a sentence itself by quoting last name of the author in the case of single author [e.g. Qasim^{*}]; last names of both the authors in the case of two authors separated by '&' in between [e.g. Padate & Rivonker^{*}]; and by last name of the author followed by '*et al.*' in the case of three or more authors [e.g. Hegde *et al.*^{*}]. The '^{*}' indicates reference number in superscript as provided in reference list. If the reference number comes on any numeral, it should be given within parenthesis (e.g. ref. 2 or refs. 2-8).

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U-Model incorporated with RBFNN for multivariable underwater glider control parameters, *Indian J Geo-Mar Sci*, 46 (12) (2017) 2482–2492.]. If a paper has been accepted for publication, the names and initials of the authors, paper title and the journal should be given followed by the words “in press” within circular brackets.

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Reference to a book should include, in the following order, names and initials of authors, the title of the book (in *italics*), volume number, edition, name of publisher and place of publication within circular brackets, year and the pages [e.g. Sverdrup H U, Johnson M W & Fleming R H, *The Oceans*, (Prentice-Hall Inc, New Jersey), 1955, pp. 1087].

If the reference is to the work of an author published in a book (book chapter) by a different author or edited by a different person, the fact that it is cited from the source book (in *italics*) should be clearly indicated. [e.g. Azam F & Smith D C, Bacterial influence on the variability in the ocean's biogeochemical state: A mechanistic view, In: *Particle analysis in oceanography*, edited by S Demers (Springer-Verlag, Berlin), 1991, pp. 213-216].

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Reference to a paper presented at a conference, the proceedings of which are not published, should include, in the following order: names and initials of the authors, title of the paper, name of the conference (in *italics*), place where the conference was held within circular brackets and date [e.g. Sastry L S, The salinity minimum in the Arabian Sea, paper presented at the *Symposium on Indian Ocean and Adjacent Seas-Their Origin, Science and Resources* (Cochin), 1971].

Citation to thesis:

Reference to a thesis, technical reports should include the name of the author, title of the thesis (in *italics*), university or institution to which it was submitted and year of submission [e.g. Naqvi S W, *Relationships between nutrients and dissolved oxygen and nitrate reduction in the Arabian Sea*, Ph.D. thesis, University of Poona, India, 1986].

Citation to patent:

Reference to a patent should include names of patentees, country of origin (in *italics*) and patent number, the organization to which the patent has been assigned within circular brackets, date of acceptance of the patent and

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Reference to website should include, in the following order: name of the editors, title of the website/organisation (in *italics*), followed by website details and month and year of accession in circular brackets [e.g. Froese R & Pauly D. (eds.) *Fishbase*, world wide web electronic publication. <http://www.fishbase.org> version (07/2008)].

Unpublished papers and personal communications should also be included in the references [e.g. Pande A B, unpublished work/data); (Pande A B, personal communication)].

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Tables: Tables should be inserted at the end of the manuscript and should be typed on separate sheets of paper without any text matter on the page. They should be numbered consecutively in Arabic numerals and should bear brief titles. Column headings should be brief. Units of measurement should be abbreviated and placed below the headings. Negative result should be indicated as ‘Nil’ and absence of a datum by a dash. Inclusion of structural formulae inside the tables should be avoided. Tables should be set in Microsoft Word using the Table option available in the Menu Toolbar (i.e. by inserting table, inserting rows and columns). The columns and rows should not be bordered.

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[Signatures and names of all the authors]

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