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## ABOUT THE JOURNAL:

**Journal of Advanced Materials and Technology (JAMT)** is a peer reviewed multi-disciplinary journal focused on all the aspects of advanced materials.

JAMT is an open access International journal, was established in 2020 for the publication of national and international research papers in all fields of natural sciences and technology. From the design and assembly of advanced structured materials, functionalization and properties to the imaging of technology. The journal aims to capture the latest advances and breakthroughs in material science. Advanced Materials is one of the fastest developing areas of science, covering the application of chemistry & Physics-based techniques to the study of materials; including materials synthesis, behavior and the relationships between material structure and properties at the atomic and molecular scale

## DESCRIPTION

JAMT provides a forum for the publication of original research on the development of sustainable technologies focusing on synthesis, processing, characterization, demonstration, modelling, simulation and applications of advanced functional materials and devices.

JAMT calls for full-length research papers, critical review papers, perspectives and letters to the Editor that cover the following fields:

- Nano-composite materials
- Ferroelectric materials
- Magnetic materials
- Optical materials
- Semiconductors
- Superconductors

- Colloidal Materials
- Photocatalysis
- Electrochemistry
- Energy Storage and Conversion Devices
- Organic electronics
- Drug delivery
- Sensors and biosensors
- Biochemistry
- Polymer and Interdisciplinary Physics
- Water and Environmental sustainability

## **FLEXIBILITY**

We provide our authors flexibility in formatting their manuscripts. Your article doesn't have to conform to a strict structure. While all manuscripts require essential elements, we do not impose any limit on article length or the number of tables and figures. JAMT publishes 1 volume and 6 issues each year.

## **SUBMISSION CHECKLIST**

**Ensure that the following items are present:**

- All manuscript and supplementary material files have been uploaded.
- Author names and their affiliations have been provided.
- One author has been designated as corresponding author.
- The manuscript title is short and informative.
- The abstract can be read as stand-alone text and does not exceed 250 words.
- The manuscript file contains all essential sections: Title, Abstract, Introduction, Materials and Methods, Results, Discussion, References, Figure Captions, Tables and Supporting files.
- Manuscript has been checked for spelling and grammar.
- All references mentioned in the References list are cited in the text, and vice versa.
- Artwork source files have been provided at the appropriate size and resolution.

## **PUBLISHING ETHICS**

The publication of an article in a peer-reviewed journal is an essential building block in the development of a coherent and respected network of knowledge. It is a direct reflection of the quality of the work of the authors and the institutions that support them. Peer-reviewed articles support and embody the scientific method.

It is therefore important to agree upon standards of expected ethical behavior for all parties involved in the act of publishing: the author, the journal editor, the peer reviewer, the publisher and the society of society-owned or sponsored journals.

## **GENERAL INSTRUCTIONS**

### **Article Types**

Our scope is inclusive; JAMT publishes articles covering any research discipline. We welcome the submission of manuscripts that report original results of primary research (positive or negative), describe new methods or other research tools, describe new datasets, report new cases, or analyze existing data and report novel insights in form of a systematic or scoping review. We do not accept pre-submission enquiries, or any type of opinion style piece.

### **Language**

Please write your text in good English (Indian or British usage is accepted). Articles will not receive full copy-editing before publication; if you feel that your manuscript could benefit from editing, please consider the use of an editing service from the expertise.

### **Open Access**

JAMT is a fully open access journal. Once published, your article will be immediately and permanently available for readers to read, download, and share. Readers will be able to access your article freely on JAMT.com

### **Cover Letter**

A covering letter is not mandatory, as we request all essential information at submission. However, you are welcome to provide a cover letter containing any additional information that you would like us to be aware of, such as information on suggested or excluded editors and referees.

This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final.

### **Article structure**

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

### ***Introduction***

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

### ***Material and methods***

Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

### ***Theory/calculation***

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

### ***Results***

Results should be clear and concise.

### ***Discussion***

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

### ***Conclusions***

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

### ***Appendices***

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

### **Essential title page information**

***Title.*** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.

### ***Author names and affiliations.***

Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. You can add your name between parentheses in your own script behind the English transliteration. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.

### ***Corresponding author.***

Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. This responsibility includes answering any future queries about Methodology and Materials. **Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.**

#### *Present/permanent address.*

If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

#### **Abstract**

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

#### **Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

Immediately after the abstract, provide a maximum of 6 keywords from the keyword list at the bottom of this page, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, "and," "of"). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

#### *Acknowledgements*

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

#### *Formatting of funding sources*

List funding sources in this standard way to facilitate compliance to funder's requirements: Funding: This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, please include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

### ***Math formulae***

Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

### ***Footnotes***

Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

### ***Color artwork***

Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF), or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then JAMT will ensure, at no additional charge, which these figures will appear in color online.

### ***Figure captions***

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (**not** on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

### **Tables**

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.

### **References**

#### ***Citation in text***

Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

### ***Reference links***

Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, please ensure that data provided in the references are correct. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is highly encouraged.

A DOI is guaranteed never to change, so you can use it as a permanent link to any electronic article. An example of a citation using DOI for an article not yet in an issue is:

[1] X. X. YYYYYY, X. Y. ZZZZZ, X. Y. XXXXXXXX, Recent advances in boron-based schiff base derivatives for organic light-emitting diodes, *Mater. Today Chem.*, (2019), 11, 133. <https://doi.org/10.1016/j.mtchem.2018.09.010>

Please note the format of such citations should be in the same style as all other references in the paper.

### ***Web references***

As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

### ***References in a special issue***

Please ensure that the words 'this issue' are added to any references in the list (and any citations in the text) to other articles in the same Special Issue.

### ***Reference formatting***

There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the article number or pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by JAMT at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct. If you do wish to format the references yourself they should be arranged according to the following examples:

### ***Reference style***

*Text:* Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given. Example: '..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ....'  
*List:* Number the references (numbers in square brackets) in the list in the order in which they appear in the text. *Examples:*

**Reference to a journal publication:**

[1] Y. X. ZZZZZZ, X. Y. ZZZZZZ, Z. X. YYYYYY, Recent advances in boron-based schiff base derivatives for organic light-emitting diodes, *Mater. Today Chem.*, (2019), 11, 133. <https://doi.org/10.1016/j.mtchem.2018.09.010>

**Reference to a book:**

[1] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, (2000), pp-12.

**Reference to a chapter in an edited book:**

[2] Y. X. ZZZZZZ, X. Y. ZZZZZZ, Z. X. YYYYYY, Introduction to the Electronic Age, E-Publishing Inc., New York, (2009), pp. 281-304.

**Reference to a website:**

[3] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, (2003) (accessed 13 March 2003).

**Reference to a dataset:**

[4] [dataset] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.