

## Instructions for Manuscript Template for the Proceedings of the Mathematical Society, BHU

### 1. General Guidelines

(i) The right way of preparing the manuscript of the paper is that it can be prepared by cutting the appropriate matters in the enclosed template of a paper in MS word and then pasting or typing the matter of the paper accordingly. While cutting and pasting in the preparation of the paper, the final version of the manuscript of the paper must be in the form of template having text of your paper.

(ii) The following instructions can be used as the guidelines for preparing papers for the Proceedings of the Mathematical Society. All manuscripts are to be submitted online/email. The full text of the paper (except the abstract and Long Equations and tables that are given after the references) is formatted in two-column. Manuscripts should be written in clear, concise and grammatically in correct English.

(iii) Size of the paper Width (8.27") x Height (11.69")

Margin=Top(0.55"), Bottom( 0.79"), Left(0.51"), Right (0.52")

Width of each Columns= 3.43"

Space between Columns = 0.39"

### 3. Title of the Manuscript:

All items in the title block should be centered across both columns. The title should be set in 14 pt bold, with a 0 pt space above and a 0 pt space below.

### 4. Name of the author and affiliation

The author's names should be set in 10 pt font, with a 6 pt space below and 12 pt space above. For each author, a numbered superscript should be used to indicate institutional affiliation. Following the author information, each institution with which any of the authors are affiliated should be listed, including addresses. These should be indicated by superscripts as well, and set in 9 pt italic, with a 12 pt space below the final one. For example:

F. Author Name<sup>1†</sup>, S. Author Name<sup>2</sup> and T. Author Name<sup>3</sup>

<sup>1 & 2</sup> Department of Mathematics, Banaras Hindu University, Varanasi-221005, India

<sup>3</sup> DST- Center for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi-221005, India

**5. Footnote:** A symbol footnote mark to refer to corresponding Author support information (to be included as footnotes at the bottom of the title page). For example: if third is Corresponding Author then footnote is as

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Corresponding Author: Author Name<sup>3</sup> only

### 6. Abstract

An abstract of 150-400 words should be included in the paper and font must be in 9 pt. The abstract should be formatted as an unnumbered section and should be one-column. Abstracts are required for all papers. Be sure to define all symbols used in the abstract, and do not cite references in this section.

**7. Keywords:** Keywords should be provided below the abstract to assist with indexing of the article. These should not duplicate key words from the title. The key words should be separated by commas.

### 8. Section and Subsection Headings

For those formatting by hand, section and subsection headings are numbered using Arabic numerals separated by `.' Sections. Subsections (heading 2, in Word) are 10 pt, boldface, and flush left. Sub-subsections (heading 3, in Word) are 10 pt, boldface, and flush left. All levels below this are unnumbered, 10pt, boldface, with text beginning immediately following the heading on the same line.

**9. Introduction:** Introduction must be formatted in two-column and font must be in 10 pt. History of previous related work must be in increasing order of years.

## 10. PROBLEM FORMULATION

**Equations** must be in Math Type with the font 10 pt. If the Equations are long, they should be reduced with the help of new parameters and placed after Nomenclature in the form of the appendix. If paper has Figure of the model, then it should not be placed on title page (**for detail see template**).

## 11. Result and Discussion

The font of Result and discussions must be in 10 pt.

### Tables and Figures

Insert tables and figures within your document either scattered throughout the text. Tables (figures) should be numbered consecutively, with captions above/below the table (figure). Captions should be bold, 10 pt, and centered. Two-column-wide figures and tables may be used as appropriate. Tables should be self-contained and complement. Place figure captions below all figures. If your figure has multiple parts, include the labels “a),” “b),” etc., below and to the left of each part, above the figure caption. Please verify that the figures and tables you mention in the text actually exist. When citing a figure in the text, use the abbreviation “Fig.” (Fig. 1) except at the beginning of a sentence (Figure 1). Do not abbreviate “Table.” Number each different type of illustration (i.e., figures, tables, images) sequentially with relation to other illustrations of the same type. If the tables/Figures is not adjustable, then placed all the tables/Figures after the Nomenclature.

## 12. Conclusion

Although a conclusion may review the main points of the paper, it must not replicate the abstract. A conclusion might elaborate on the importance of the work or suggest applications and extensions. Do not cite references in the conclusion as all points should have been made in the body of the paper. Note that the conclusion section is the last section of the paper to be numbered. The appendix (if present), acknowledgment, and references are listed without numbers.

## 13. Acknowledgement

The author, name, would like to thank the Council of Scientific and Industrial Research, New Delhi-110012 for the financial support to carry out this work.

## 14. Description of References

The following entries are intended to provide examples of the different reference types, in accordance with PMS style. All references should be in 10-point font and formatted in two-column. Examples:-

- [1] Taylor, G. I., Stability of a viscous liquid contained between two rotating cylinders, Philosophical Transactions of the Royal Society A, Vol. 223, pp. 289-343 (1923).
- [2] Hildebrand, F. B., Introduction to Numerical Analysis, 2<sup>nd</sup> Edition, Mc Graw-Hill, New York (1974).

**15. Nomenclature:** Nomenclature should be in alphabetic order (A – Z) and Greek letters should follow after Latin letters in alphabetic order ( $\alpha$   $\beta$  ...). (For example see template)

## 16. Copyright

Following statement are used as copyright. This statement must be placed at end of paper.

The views expressed by the authors in this paper are their own and has not been published elsewhere in this substantial form and also not submitted elsewhere for publication. The society is in no way responsible for the contents of the paper without having obtained a written permission.