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A Modern Template for Scientific Manuscripts

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ABSTRACT. This document demonstrates the usage of the manuscript_modern class for clean, readable, and easily customizable scientific manuscripts. Refer to the readme file for more detailed instructions. Also see the comments in the preamble of this template for quick usage instruction.

* Keywords: template, latex, manuscript, modern, design

1 INTRODUCTION

- Welcome to the manuscript_modern class. This document serves both as a guide and a starting
- point for your own scientific article. You will find clear structure, elegant design, and easy-to-
- customise commands for layout, colour, and structure.
- We developed this class to simplify scientific writing while ensuring the output is beautiful and journal-ready.
- Clean, readable typography with Lato-style fonts
- Section headings and colour macros
- Support for anonymous submissions and line numbering
- Author macros with ORCID and affiliation linking
- Abstract and summary boxes for clarity
- You can easily add custom commands or packages without breaking layout.
- Summary. This class is ideal for preparing preprints, journal submissions, or open-access archives like arXiv and bioRxiv. All colours, section fonts, caption formats, and metadata are customisable.

2 METHODS

- 22 All main sections should be wrapped in maintext environment, which ensures consistent margins
- 23 and vertical spacing. You can include subsections and standard environments like itemize,
- enumerate, and equation without extra setup.

25 2.1 Table Example

- Class provides tabularx with booktabs for modern table styling. Use the figure environment as usual to includegraphics.
- Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices.
- 29 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. In hac habitasse platea dictumst.
- Municipal of Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean
- 31 placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit
- ³² purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae
- 33 risus porta vehicula.

Table 1: Sample table with fixed column widths

Code	Description	Score
A1	Prototype tested on synthetic data	8.4
B2	Added real-world test modules	9.2
C3	Final release and review	9.7

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40 2.2 Figure Example

- 41 Use TikZ and pgfplots for inline mathematical plots. Class provides pgfplots and sets compat-
- ible version:

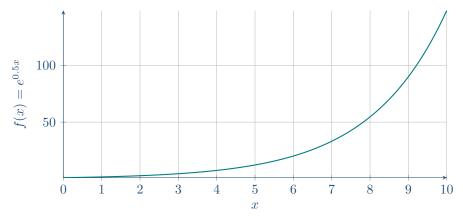
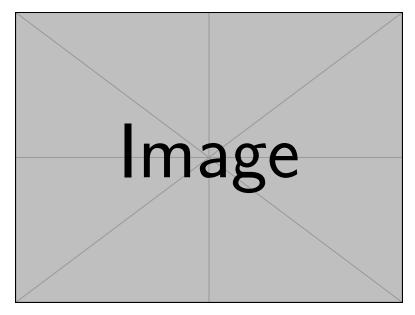


Figure 1: Example exponential function plotted using pgfplots.

3 RESULTS

- 43 Results are typically supported by figures and tables. You may cite sources using biblatex: [1,
- 44 2]. The bibliography will appear automatically at the end.



 ${\bf Figure~2:~Example~placeholder~image.~Replace~with~your~actual~figure.}$

4 DISCUSSION

- 45 Discuss findings here. The environment will maintain paragraph spacing and body colour set
- with \setmaintextcolor.

5 CONCLUSION

- The manuscript_modern class offers a complete system for typesetting professional manuscripts,
- 48 especially for scientific and preprint use.

Manuscript Information

Version: Draft 1

Last updated: June 4, 2025

 $Git\ repo: \verb|git@github.com:raviumadi/manuscript.git|\\$

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