

MSURJ Author LaTeX Documentation Instructions

This guide is meant as a reference for using the MSURJ LaTeX format for authors submitting a .tex manuscript and supplement to the instructions provided in the main.tex template.

*** IMPORTANT --- READ BEFORE COMPILING ***

The fonts used in the msurj class are not compatible with the pdfLaTeX or LaTeX compilers. Authors wishing to use Overleaf should switch the compiler to either XeLaTeX (recommended) or LuaLaTeX before trying to compile the TeX file. Compiling on other compilers may return error messages.

To switch compilers on Overleaf, open the project and go to Menu → Compiler

Files and Folders

The provided template folder includes multiple files. When submitting, authors should include their .tex article in a .zip folder containing all other files in the template folder. These include:

- a. Figures
 - i. All figures used in the article **must** be included in this folder and called from this folder in the .tex article
- b. Fonts
 - i. There is generally no need to change anything in this folder. Authors wishing to use special fonts should submit an explanation of their use of alternate fonts.
- c. bib.bib
 - i. All bibliographic information should be entered here in the correct format. See Author Instructions for more information on the reference style used by MSURJ
- d. msurj.cls
 - i. It is not necessary to make changes to this file. However, authors can add commands or specialized formats to the class as long as the fundamental format of the class (fonts, margins, page layout, etc.) **is not altered**.
 - ii. Authors are asked, whenever possible, to insert any additions to the end of the class code (i.e. after line 243. Whenever this is not possible, a comment should be included at the end of the class file documenting all additions written in between preexisting lines.
- e. Author LaTeX Documentation Instructions.pdf (this file)
 - i. This is the only file not required in the submission

Packages Already Included in msurj Class

- a. geometry
- b. amsmath, amsthm, amsthm
- c. mathrsfs
- d. mathtools

- e. thmtools
- f. cancel
- g. proof
- h. enumitem
- i. graphicx, xcolor
- j. booktabs
- k. titlesec
- l. sidecap
- m. hyperref
- n. caption
- o. bigints
- p. xfrac
- q. tabularx
- r. fancyhdr
- s. biblatex
- t. fontspec
- u. fix-cm
- v. multirow, multicolumn
- w. threeparttable
- x. anyfontsize
- y. siunitx

Shortcuts

- a. Theorems – to be used with `\begin{...}` and `\end{...}`
 - i. Theorem: `thm`
 - ii. Definition: `dfn`
 - iii. Proposition: `pro`
 - iv. Lemma: `lem`
 - v. Corollary: `cor`
 - vi. Example: `exm`
- b. Formatting
 - i. Horizontal line: `\hr`
- c. Symbols
 - i. Field: `\F`
 - ii. Naturals: `\N`
 - iii. Integers: `\Z`
 - iv. Rationals: `\Q`
 - v. Reals: `\R`
 - vi. Complexes: `\C`

Author Information

Authors must fill out the form provided at the beginning of the `main.tex` document according to the specified format. This information includes:

- a. Author Names
 - i. Affiliation number superscripts must be included for every author
- b. Article Title
- c. Submission Date
- d. Article Type
 - i. We accept two types of articles: *research articles* and *review articles*.
- e. Author Affiliations
 - i. If affiliations bleed into the “Keywords” box, do not change the spacing. Editors will take care of this.
- f. Article Keywords
- g. Corresponding email
 - i. There should generally be only one corresponding author, however in certain cases more than one email may be acceptable.
- h. Article Abstract

Labeling and Referencing

- a. Ensure all references to external sources are properly entered in the bib.bib file and they are referenced in-text according to the format outlined in the template.
- b. Ensure all tables and figures are properly labeled (using `\label{...}`) and any in-text reference to them uses `\ref{...}`
- c. Ensure all equations and theorems are properly labeled and referenced according to the format in the template.

Any additional questions about the MSURJ LaTeX format should be directed to msurj.sus@mail.mcgill.ca