

# INSTRUCTIONS FOR MANUSCRIPT TEMPLATE

LATEX is a typesetting software useful for publications, especially mathematical and scientific ones. This guide provides an overview of how to use the template of the *Ingeniería e Investigación* journal.

## INTRODUCTION

IIR.cls is a document class rewritten to format in LATEX the articles of the *Ingeniería e Investigación* journal. The class uses the environments and commands defined in the LATEX kernel without any changes, so that clashes would be minimal with other LATEX packages, such as hyperref.sty, preview-latex.sty, etc. IIR.cls is based on the default class article.cls. This class depends on the following packages for its proper operation:

1. Natbib.sty for citation management
2. Geometry.sty for margin adjustments
3. Graphicx.sty for the inclusion of graphics
4. Epigrafica.sty font package
5. Hyperref.sty optional packages if hyperlinks are required in the document
6. Endfloat.sty optional packages if floats are placed at the end of the pdf

All the previous packages (except some optional packages) are part of any standard LATEX installation. thus, users should not worry about downloading additional packages. In addition, users have the freedom to use the mathematical packages of ams, such as amsmath.sty, amsthm.sty, amssymb.sty, amsfonts.sty, etc. All these packages work in conjunction with IIR.cls without any problem. The packages must be placed in the preamble of the TemplateRIIAuthors.tex in the section called “Additional package”.

The LATEX core is a software package that complies with the LATEX code (.tex file) and creates the final document (PDF). There are different software available to do this, depending on the operating system of the user. The LATEX Project provides information on how to install LATEX on Windows, Mac and Linux, as well as some online services. The instructions on how to install the most common LATEX software for Windows and Mac can be found at <https://miktex.org/>.

## PREPARE YOUR ARTICLE

### The RII.cls class

The IIR.cls class will help you write your article correctly. It is part of the folder TemplateRII. You can download to your computer the compressed folder TemplateRII.zip that contains all the necessary files to run the template. The folder contains the following files:

- The article class RII.cls.
- The epigrafica.sty package for the font type.
- The file logo.pdf and figures ImageExample2, fig1.pdf (when compiled with pdflatex).
- Alternative files logo.eps and figures ImageExample2.eps, fig1.eps, to use with LATEX.
- An article template (TemplateRIIAuthors.tex)

Once you have installed the folder, edit the file TemplateRIIAuthors.tex following the instructions of the template and save it with a new name. The article file must be compiled with pdflatex.

## Recommendations

To ensure the fast processing of your article, we recommend the following:

- Use RII.cls in combination with BibTeX.
- Follow the instructions in the template.
- Use the standard design or make minimal changes. Custom design will be removed.
- Make it simple. Advanced constructions, such as TikZ or pstricks, will be represented as images.
- See the Guide for Authors of the journal for the specific format requirements ([link](#)).

## SUBMIT YOUR ARTICLE

The *Ingeniería e Investigación* journal accepts your article in pdf format in the initial presentation. When you are requested to send the source files of your article, please do the following:

- Create a pdf of the article files on your computer and attach it with the name “xxxx-versionFinal”.
- Group all the source files of the article into a single file and attach it with the name “LATEX source files”. Source files include LATEX files, figures, tables, all the classes and packages of LATEX that are not included in the template and any other material that belongs to the article.

Consider the following technical requirements for sending source files:

- Source files must be compiled without errors with pdf<sub>l</sub>atex or LATEX.
- The pdf must be generated from the source files that you send.
- Figures must be sent in one of the following formats: eps, jpg, pdf or png. For quality standards, please refer to the Guide for Authors (<https://revistas.unal.edu.co/index.php/ingeinv/about/submissions#authorGuidelines>).