TEXFolio

S Rahulkrishnan

TEXFolio

S Rahulkrishnan

(English: Tech. notes)

© 2020, Sayahna Foundation

These electronic versions are released under the provisions of Creative Commons Attribution Non-commercial No-derives Share Alike license for free download and usage.

The electronic versions were generated from sources marked up in LATEX after incorporating all the sketches provided by the author, in a computer running GNU/LINUX operating system. PDF was typeset using XETEX from TEXLive 2020. The base font used is Cormarant Garamond Medium at 10 pt.

Cover: Zen art by Ayisha Sasidharan specially for Sayahna.

Sayahna Foundation

JWRA 34, Jagathy, Trivandrum, India 695014

URL: www.sayahna.org

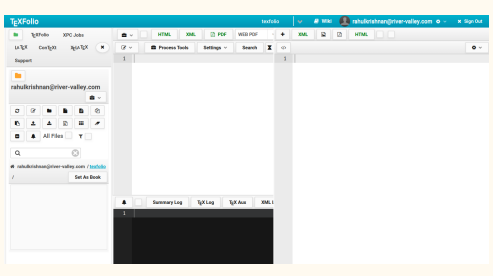
TEXFolio: A framework to typeset documents in the web using TEX

TEXFolio is a web based complete journal production system that accepts XML documents as input and generates a variety of outputs as per user directive. At the moment, TEXFolio accepts documents tagged as per NLM/JATS or Elsevier Journal Article DTD. The typesetting engine is TEX which allows hyperlinked, bookmarked and standards compliant PDF outputs of infinite variants in terms of look and feel.

General Features

- Text processing on the cloud.
- TEX creates the output.
- Low learning curve.
- Cross-platform.
- Integrated with Neptune.
- Helps TEX authors to actualize self publishing.
- Work from home.

TEXFolio interface



Inputs

- LATEX
- NLM/JATS XML
- Elservier Journal Article XML

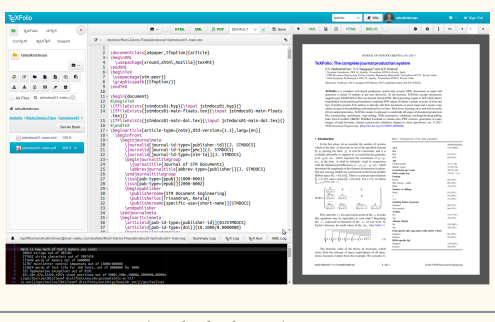
Outputs

- PDF (hyperlinked, bookmarked, standards compliant)
- HTML5 + MathML (Supports MathJax)
- NLM/JATS XML + MathML
- Elsevier Journal Article XML + MathML
- ePub (not default, but easily configurable)
- Math as MathML or SVG or GIF/PNG/JPG or TEX math or all

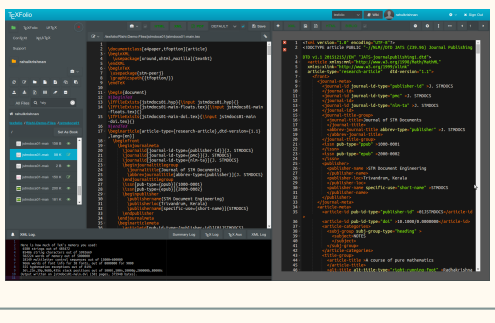
More Features

- Can creates both PDF and XML from single TEX source.

PDF output

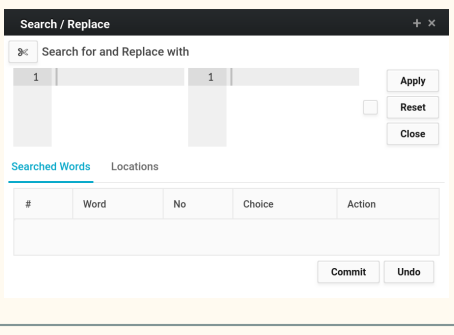


XML output (in dark theme)



- Validates XML against DTD and NLM validator to check against NLM Article Publishing, CrossRef Deposit Schema and PMC style checker.
- DOI link fetching/checking.
- Choice of different compilers + macro packages like `pdflatex`, `xelatex` and `context` are available.
- Very exhaustive search and replace widget including regular expressions with self escaping mode.

TEXFolio: Regex find & replace window



- BibTEX Formatter: An exclusive integrated tool to generate BibTEX database from free flow text using artificial inteligence.

Quick Links

TEXFolio Home

Epilog

- The content that Sayahna includes in these Phone PDFs are those that can be read in under thirty to forty minutes. Computers or Desktop applications are not necessary for reading them.
- The PDFs are made available in beautiful, rich formats and can be easily read from your smart phones. They are customized to adhere perfectly with the dimensions of your phone screen.
- Most smartphones these days are equipped with in-built readers for PDF content. However, the free Adobe Acrobat Reader application offers the best reading experience. We would recommend that you install Adobe readers in your phones and use them for reading our content.
- Anybody who is interested in open access publishing and want to submit their work to Sayahna may do so by mailing it to <info@sayahna.org>. The work could be anything from stories, memoirs, articles, interviews, movie reviews, poems, plays, sketches or paintings; the only stipulation being that they should be succint enough to be read under thirty to sixty minutes.
- Sayahna welcomes all your thoughts on our efforts! You may either mail them to <info@sayahna.org> or post them under the Comments section in this web page. We eagerly await your feedbacks and hope to derive from them the necessary impetus to drive Sayahna to new heights.