



How Automated Pre-Screening Can Streamline Your Journal Peer Review and Publishing Process

 **MARS**
Manuscript Assessment and Reporting System

Peer review is the process of subjecting an author's scholarly manuscript to the scrutiny of others who are experts in the same field, prior to acceptance. With more than 2 million articles published yearly, it is crucial to screen for possible language and structural pitfalls upstream in the article publishing process while ensuring research validity prior to publication.

Lumina Datamatics' Manuscript Assessment and Reporting System (MARS) does just that. It is powered by a machine learning (ML) engine. Its automated process evaluates and scores manuscript content by identifying possible errors. The results are generated into a manuscript assessment summary. This helps scholarly publishers ascertain the quality of language of the manuscript and the level of copyediting that would be required.

MARS is a unique and powerful tool which:

- Analyzes the content structure
- Checks for completeness
- Ensures proper formatting
- Uses Natural Language Processing (NLP) & Machine Learning (ML) to identify language quality
- Generates a review summary
- Sends manuscripts to the next stage

User-friendly interface and system configurable for different journal publisher requirements.



Benefits

- Reduce the manual process of reviewing manuscripts before peer review
- Streamlines and enhances acceptance rates
- Helps authors meet the initial screening requirements
- Saves editorial costs for the publisher

CAPS

Content Authoring | Publishing System

Create, edit, proofread, and deliver content across print, online & digital channels.



Work with Us



Quality Content



Reduced TAT



API Integration



Online Proofing



Collaborate anytime, anywhere



Why

Broken links within the journal's publishing chain create poor efficacy resulting in poor turnaround times and affecting the journal-to-publish timeline.



What

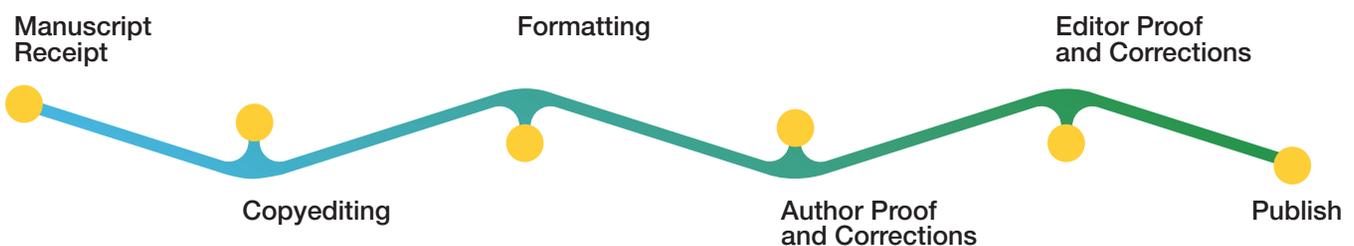
Lumina Datamatics' Content Authoring and Publishing System (CAPS) enables publishers to create, edit, and proofread content and deliver it across print, online, and digital channels.



How

Lumina Datamatics employs manual and automated mechanisms to ensure the delivery of journals as per client needs.

The Details



Still Deciding?

- Automated and customizable pre-editing solutions
- Black-box XML conversion and auto-pagination
- Real-time MathML equation creation and editing
- Live tracking and report generation
- Ability to manage open access payments

Stats You Need to Know

Who

The client is a scholarly, not-for-profit that publishes STEM Journals and Books.

Why

The client had months of publication backlogs, resulting in 500 to 800 articles behind production schedule. Their journal process was complicated and not optimized, and they wanted to reduce the publication time of 60 days by half.

What

- Lumina Datamatics introduced a combination of human expertise and workflow innovations in two phases.
- A hybrid delivery model was implemented in the first phase, including services from both onshore and offshore.
- In the second phase, the entire publishing workflow was moved to CAPS. Due to its underlying Content Management System (CMS) and editing environment, articles can be pre-edited and copyedited and allowed for online author corrections.

Value

- Reduced Manuscript to Publishing time by 68%
- Cleared production backlogs in 3 months

How It Works

- Cloud-based hosting for security and scalability



- XHTML-based workflow allows:
 - Pre-editing
 - Copyediting
 - Online author corrections



- Automated and customizable pre-editing solutions



- Black-box XML conversion and auto-pagination

- Real-time MathML equation creation and editing



- Live tracking and report generation

- Ability to manage open access payments



Lumina Datamatics is a strategic partner to global publishers and e-commerce retailers, providing content, analytics, and technology solutions. We enable publishers to be at the forefront of digitalization by managing the entire publishing process – from content creation to product delivery, including feedback from readers and buyers. Lumina Datamatics' expert solutions are a combination of its various in-house platforms, partnerships with global technologies, and more than 2800 professionals spread across Germany, India, and the United States. This global footprint services our customers across four continents: North America, Asia, Australia, and Europe. Visit luminadatamatics.com or go to LinkedIn for more.

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Award-winning, web-based, WYSIWYG, intuitive proofing system for authors.



Work with Us



Streamlined editorial process



Secure editing environment



Customizable email reminders



Real-time collaboration between stakeholders



Why

Better management, enhanced content accuracy, and streamlined communication between authors and editors is needed during the submission and proof review process.



What

Deployment of this system leads to better turnaround times, efficient production workflows, and optimized costs.



How

BluPencil enables authors to edit their text instantaneously via a structured layout (with underlying XML), using an intuitive WYSIWYG interface.

The Details

XML Ingestion

Author Proofing

Production Editor

Technical Editor

XML and PDF

Still Deciding?

- Proofing alerts via emails, with customizable reminders
- Easy API-based integration with CMS's and third-party systems
- Facilitating both offline and online work modes
- On-the-fly proof generation, per authors' preferences
- Integrated with online databases (e.g., Crossref and FundRef registry)

Stats You Need to Know



6
Publishers live

10 K+
Articles

144
Journals onboarded

98 %
Author uptake



40 %
Post-proof TAT reduction



How It Works

XML Ingestion



- XML transformed into BluPencil-ready XHTML
- Web images uploaded
- Deep link created and an auto-email sent to authors



Author Proofing

- Checks content
- Responds to queries
- Reviews the proof
- Uploads replacement content
- Sends comments to Production Editors and typesetters

Production Editor



- Reviews author changes
- Approves or rejects replacement content
- Adds additional information using comments to typesetters



Technical Editor

- Carries out any global changes
- Updates content and structure based on comments from authors or Production Editors

XML and PDF



- XML composition
- Galley PDFs for reference

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