LUMINA DATAMATICS
WE MANAGE KNOWLEDGE

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

MARS
LUMINA DATAMATICS

Manuscript Assessment and Reporting System

> **"20-30%** of the manuscripts are rejected at the **initial screening** and approximately **40%** of the manuscripts are rejected **after peer review"**

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 becomes imperative to screen for possible language and structural pitfalls upstream in the article publishing process while ensuring research validity prior to publication.

Lumina's Manuscript Assessment and Reporting System (MARS) does just that. It is powered by a machine learning (ML) enabled an automated process to evaluate and score manuscript content and to identify possible errors, generate a manuscript assessment summary. It also helps scholarly publishers to ascertain the quality of language of the manuscript and the level of copyediting that would be required in the upstream process.

MARS is a unique and powerful tool to:

- Analyze the content
- Check for completeness
- Ensure proper structuring
- Use Natural Language Processing (NLP) & Machine Learning (ML) to identify language quality
- Review summary
- Move manuscripts to the next stage

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

Benefits

- Eliminates the manual process of reviewing manuscripts before peer review
- Smoothens and enhances acceptance rates post peer review
- Helps authors meet the initial screening requirements
- Saves cost for the publisher

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