

Cutting Cost and Delays With AI Manuscript Screening Platform



Case Study

Overview



Academic and scholarly publishers encounter major operational bottlenecks and high costs during the initial manuscript intake phase. These challenges stem directly from the manual labor required to evaluate several core criteria:

-  **Structural formatting** against journal-specific guidelines
-  **Metadata integrity** for downstream indexing and discovery
-  **Reference accuracy** and citation linkage
-  **Ethical compliance**, including disclosures, consent, and anti-plagiarism protocols

Straive designed and developed a customized AI-powered manuscript screening platform to minimize these challenges. Furthermore, automated technical and ethical checks were integrated directly into the peer-review workflows. Straive's solution eliminated manual overheads, reduced desk rejections, and accelerated publishing timelines.

The Challenge



High Costs, Frequent Rejections, and Peer-Review Delays

Publishers continue to rely heavily on manual editorial checks to validate manuscripts against journal guidelines. This process creates several challenges:

- **Frequent Desk Rejections:** Manuscripts with missing metadata, formatting discrepancies, broken references, or unaddressed Personally Identifiable Information (PII) are frequently rejected at early stages, triggering re-submissions.
- **Extended Turnaround Times (TAT):** Manual screening created bottlenecks at submission, delayed the handoff to peer reviewers, and lengthened the overall publication cycle.
- **Escalating Operational Costs:** Dedicated editorial teams spent countless hours on repetitive compliance checks across tables, figures, equations, and ethical declarations rather than high-value editorial tasks.

To resolve these friction points, publishers require a centralized, intelligent platform that can pre-screen manuscripts at submission and ensure manuscript readiness.

The Solution

Straive's AI-Powered Manuscript Screening Platform

To address these distinct operational needs, Straive designed, developed, and deployed an end-to-end manuscript intake and pre-screening engine fully customized to publisher-specific rules, technical stacks, and editorial workflows.

Key Platform Capabilities

-  **Customized Rule Engines:** Dynamic validation rules that automatically verify manuscripts against custom journal guidelines and workflow requirements.
-  **Comprehensive Inspection:** Automated verification covering structural integrity, word counts, metadata, tables, figures, equations, reference lists, PII detection, and ethical declaration disclosures.
-  **Automated Peer-Review Integration:** Direct API connections to leading submission platforms, pulling manuscripts directly without requiring manual downloads or uploads.
-  **Actionable Quality Scoring:** Delivers detailed compliance reports, pinpoints errors, and assigns a readiness score to help editors make fast, confident decisions.
-  **Production-Grade Precision:** Rigorously tested and validated by Straive's editorial experts and publisher partners to guarantee platform accuracy before going live.

Impact & Results

Faster Decision-Making and Multi-Publisher Adoption

By automating manuscript intake with Straive's platform, publishers unlocked immediate operational efficiencies and significantly lowered processing costs.

Key Metrics & Outcomes

-  **25% Reduction in Turnaround Time (TAT):**
Scaled intake velocity for a leading publisher, moving manuscripts into peer review significantly faster.
-  **Zero Manual Intake Overhead:**
Direct integration with peer-review software completely eliminated manual file downloading and administrative re-keying.
-  **7x Adoption Growth:**
Successfully scaled from an initial single-customer pilot to 7+ major publishing customers.
-  **5,000+ Articles/Month:**
Currently processing thousands of submissions monthly with high fidelity and zero downtime.

Performance Indicator	Before Straive Platform	After Straive Platform
Submission Screening	Manual technical & ethical checks	Automated AI pre-screening
Peer Review Handoff	Manual downloads & uploads	Seamless system integration
Editorial Decisioning	Subjective, time-intensive review	Instant Quality Score & flag report
Overall TAT	High latency & intake delays	25% reduction in TAT

Looking Ahead

Following proven success in live production environments, Straive is expanding the platform's processing capacity. With active customer onboarding underway, the platform is on track to scale volume to over 10,000 articles per month, continuing to set the benchmark for AI-driven scholarly publishing workflows.

Find out how much time your editorial team can save with automated manuscript screening.

[Schedule an Executive Briefing](#)



About Straive

At Straive, we operationalize Data Analytics and AI for global enterprises and work with several Fortune 500 companies. We don't just build top-tier data analytics and AI solutions — we integrate them seamlessly into your core workflows. This approach drives enhanced efficiency, improves user experience, and boosts client revenue, setting you apart from the competition.

Straive serves clients in various industries, including Banking and Financial Services, GCC, Retail and CPG, Media, Sports and Entertainment, EdTech, Science and Research, Logistics and Supply Chain, Education, and Pharmaceutical and Life Sciences.

Our strategically positioned resource pool operates in ten countries: the Philippines, India, the United States, Nicaragua, Vietnam, the United Kingdom, Singapore, South Africa, UAE, and Canada.

