Highlights on Crafting an ASEE–JET Article

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Abstract

The Journal of Engineering Technology® (JET), *published by the Engineering Technology Division of American Society for Engineering Education (ASEE), is a leading platform for advancing research, innovation, and best practices in engineering technology education and application. The journal focuses on integrating cutting-edge technologies into real-world industrial challenges, fostering industry collaboration, and enhancing hands-on learning methodologies. With a strong emphasis on applied research,* JET *bridges the gap between academic inquiry and practical engineering solutions. This article provides essential guidance for prospective authors, presenting submission requirements, manuscript expectations, and key considerations for successfully publishing in* JET.

1. Background

The *Journal of Engineering Technology (JET)* ("Journal of Engineering Technology®" n.d.) is a peer-reviewed journal published by the Engineering Technology Division (ETD) of the American Society for Engineering Education (ASEE) ("ASEE" n.d.). The focus of the journal is to disseminate timely advancements, innovations, and research findings in the field of engineering technology practice and education. The journal has been published in hard copy since 1984. It has also been published via the Scholastica Publishing platform at jet.scholasticahq.com since 2024. Electronic copies of the journal are available through the ASEE ETD website ("*JET* Digital Version" n.d.), ProQuest Central ("ProQuest" n.d.), and EBSCOhost Applied Science & Technology Full Text ("EBSCO n.d.). *JET* is indexed by the Science Citation Index Expanded (SCIE) of the Web of Science, which is a product of Clarivate Analytics ("Web of Science Core Collection Clarivate" n.d.). Web of Science is valued for its rigorous journal selection criteria, ensuring that only high-quality content is indexed. Overall, *JET* articles are of high quality and prestigious since they are selected and published after a rigorous peer-review. This short article provides helpful guidance for deciding and preparing to publish in the ASEE-*JET*.

2. Coverage

Manuscripts submitted to the journal are framed around a diverse group of topics. However, their coverage is expected to be either on engineering technology education and/or practice. Some of the major topics covered along with (already published) representative articles are listed in Table 1. Manuscripts that involve fundamental research and/or physics-based modeling are not appropriate for being published in *JET*. Some of our recommendations for suitable *JET* topics include

- Hands-on and science-based solutions (and case studies) to industrial problems
- Best practices in STEM fields accomplished via engineering technology practices.
- Holistic reviews presenting and advancing the engineering technology field.
- Educational innovations in engineering technology curricula, practical development, and implementation
- Assessment and evaluation of the engineering technology degree programs.

3. Requirements for a Regular *JET* Paper

JET publishes high-quality, original research on contemporary topics in engineering technology. Submissions should demonstrate the application of existing technologies to novel industrial challenges or present innovative teaching methodologies that incorporate current industry practices. Manuscripts submitted to *JET* must focus on the applied, practical implementation, adaptation, and advancement of engineering technology. Manuscripts should demonstrate how engineering technology is effectively integrated into education and industry, fostering hands-on learning, skill development, and professional growth.

Table 1. Selected *JET* articles: A reference for future authors.

Topic	Sample JET Article
Innovative Teaching	Teaching the Internet of Things (IoT) (Mullett 2023)
Accreditation	ETAC ABET and EvaluateUR-CURE Findings from Combining Two Assessment Approaches as Indicators of Student Learning Outcomes (Grinberg and Singer 2021)
Diversity, Equity, and Inclusion	Supporting Women in Engineering Technology Programs (Dell 2019)
Workforce Development	Building an Engineering Technology Workforce (Taraban et al. 2018)
Applied Research	A Holistic Approach for Deciphering the Operation of Planetary Gear Train Systems (Davis 2018)
Capstone Projects	Technical Risk Management as the Connectivity in a Capstone Design Course (Hylton 2006)
Laboratory Development	Development of Modular Fixturing Lab Kits to Enhance Design for Manufacturing Learning (Cook 2020)
Distance Learning	Designing a Microcontroller Training Platform for Active Distance Learning Engineering and Technology Students (Hsiung 2009)
Industry Collaboration	Vertical Integration of Experiential Learning in Construction Curriculum with Industry Collaboration (Zahraee et al. 2024)
Non-Technical Skills	On Engineering Technology Education: BS to PhD (Barbieri 2012)
Innovative Pedagogy	Purdue Mission to Mars: Recruiting High School Students into a Polytechnic College (Turner 2016)
Classroom Activities	Introducing Engineering Students to Microfluidics and 3D Printing Using Hands-On Activities (Dogan 2023)
Active Learning	Active Learning: Increasing Construction Management Students' Technical Competencies through Concrete Formwork Exercises (Martin 2019)
Curriculum Design	Creating a New Engineering Technology Program Using the UbD Approach (Sundheim 2018)

JET does not accept purely theoretical research, news articles, opinion pieces, trade articles, or lengthy thesis and dissertation write-ups, as its mission is to bridge the gap between academic research and practical engineering applications. Submissions should align with applied and industry-relevant topics (see Table 1 for examples) that demonstrate real-world impact and innovation in engineering technology.

All manuscripts undergo a rigorous peer review process, ensuring relevance to the engineering technology discipline and its academic curricula. The journal is published by ASEE, which holds the copyright for all published materials unless otherwise specified. Manuscripts submitted to *JET* must be original and not under review by another journal. If a manuscript has been previously published in another journal or conference proceedings, it must be at least 70% distinct from the original version to be considered for publication.

Authors should carefully review the *JET* author guidelines and format their manuscripts accordingly before submission ("*JET* Author's Guide" 2020). Manuscripts must be submitted via the "Submit via Scholastica" link on the *JET* website ("*Journal of Engineering Technology*®," n.d.). Each submission requires a $10 processing fee.

Upon acceptance, the corresponding author will receive detailed formatting instructions, including requirements for graphics and author biographies. To support publication costs, authors are required to pay page charges of $75 per published journal page (approximately 750 words per page).

4. What is New?

In addition to standard manuscript submissions, the *JET* editorial board invites authors to contribute Short Papers, aimed at showcasing recent advancements and innovative practices that enhance the teaching and learning of engineering technology. *JET* seeks manuscripts that demonstrate unique and substantive contributions to the engineering technology field. Short Paper submissions should present novel ideas, technologies, or methods and should include preliminary assessment and evaluation results that highlight their impact on educational practices. The expected length of the submissions is approximately 2,500 words. Manuscripts focused solely on theoretical or fundamental research, without a **clear** educational context, will not be considered.

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