



DEVELOPMENT ENGINEERING

The Journal of Engineering in Economic Development

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

•	Description	p.1
•	Abstracting and Indexing	p.2
•	Editorial Board	p.2
•	Guide for Authors	p.3



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DESCRIPTION

Development Engineering: The Journal of Engineering in Economic Development (Dev Eng) is an open access, interdisciplinary journal applying engineering and economic research to the problems of poverty. Published studies must present novel research motivated by a specific global development problem. The journal serves as a bridge between engineers, economists, and other scientists involved in research on human, social, and economic development.

Specific topics include:

- Engineering research in response to unique constraints imposed by poverty.
- Assessment of pro-poor technology solutions, including field performance, consumer adoption, and end-user impacts.
- Novel technologies or tools for measuring behavioral, economic, and social outcomes in low-resource settings.
- Hypothesis-generating research that explores technology markets and the role of innovation in economic development.
- Lessons from the field, especially null results from field trials and technical failure analyses.
- Rigorous analysis of existing development "solutions" through an engineering or economic lens.

Although the journal focuses on quantitative, scientific approaches, it is intended to be suitable for a wider audience of development practitioners and policy makers, with evidence that can be used to improve decision-making. It also will be useful for engineering and applied economics faculty who conduct research or teach in "technology for development."

The journal maintains high standards for publication, in terms of methodological rigor and contribution to the literature. It prioritizes novel, experimental work that directly integrates engineering research with statistically rigorous methods from the social sciences. The Editors will consider review articles that cover significant, emerging trends in engineering for global development. Published papers are expected to be applied in nature; however, they should generate fundamental knowledge that advances basic fields of science and engineering. Additionally, Dev Eng editors recognize that there is a lack of high-quality work from researchers in developing countries published in leading international journals. To encourage and facilitate submissions from authors in low to middle income countries, the journal will offer mentorship support to help authors overcome barriers such as language differences, writing skills and familiarity with the publishing process.

Author duties: Submission of a manuscript to the journal carries with it an understanding that the authors, when requested, will fulfil an obligation to contribute their expertise to the review of others manuscripts.

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ABSTRACTING AND INDEXING

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GUIDE FOR AUTHORS

INTRODUCTION

Before you submit your paper, please read below the criteria that the journal uses to assess whether a paper is suitable for review and possible publication

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The mandate of Development Engineering is to showcase research on innovations, in particular, innovative technologies that are improving welfare in developing countries, as well as novel measurement tools that are improving the quality and relevance of empirical data. Although the journal focuses on quantitative, scientific approaches, it is intended to be suitable for a wider audience of development practitioners, innovators, and policy makers, with evidence that can be used to improve decision-making.

The journal maintains high standards for publication, in terms of methodological rigor and contribution to the literature. It prioritizes novel, experimental work that directly integrates engineering research with statistically rigorous methods from the social sciences. The Editors will consider review articles that cover significant, emerging trends in engineering for global development. Editors will also consider design innovation papers that rigorously demonstrate new technologies or approaches within developing country contexts.

Please use the questions below to guide your review of manuscripts. Provide detailed justifications and explanations for your assessments, including positive and negative aspects of the submission.

TOPICS: Engineering research advances that respond to the unique constraints imposed by poverty. Assessment of pro-poor technology solutions, including field performance, consumer adoption, and end-user impacts. Novel technologies, tools, or strategies for measuring behavioral, economic, and social outcomes in low-resource settings. Hypothesis-generating research that explores technology markets and the role of innovation in economic development. Lessons from the field, especially null results from field trials and technical failure analyses. Rigorous analysis of existing technological development "solutions" through an engineering or economic lens.

To be accepted for publication, a manuscript should meet a reasonable subset of the following criteria though, the first five are non-negotiable.

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A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

Results

Results should be clear and concise.

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This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

Conclusions

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age*. E-Publishing Inc., New York, pp. 281–304.

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[dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T., 2015. Mortality data for Japanese oak wilt disease and surrounding forest compositions. *Mendeley Data*, v1. <https://doi.org/10.17632/xwj98nb39r.1>.

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