



International Journal for Engineering Modelling

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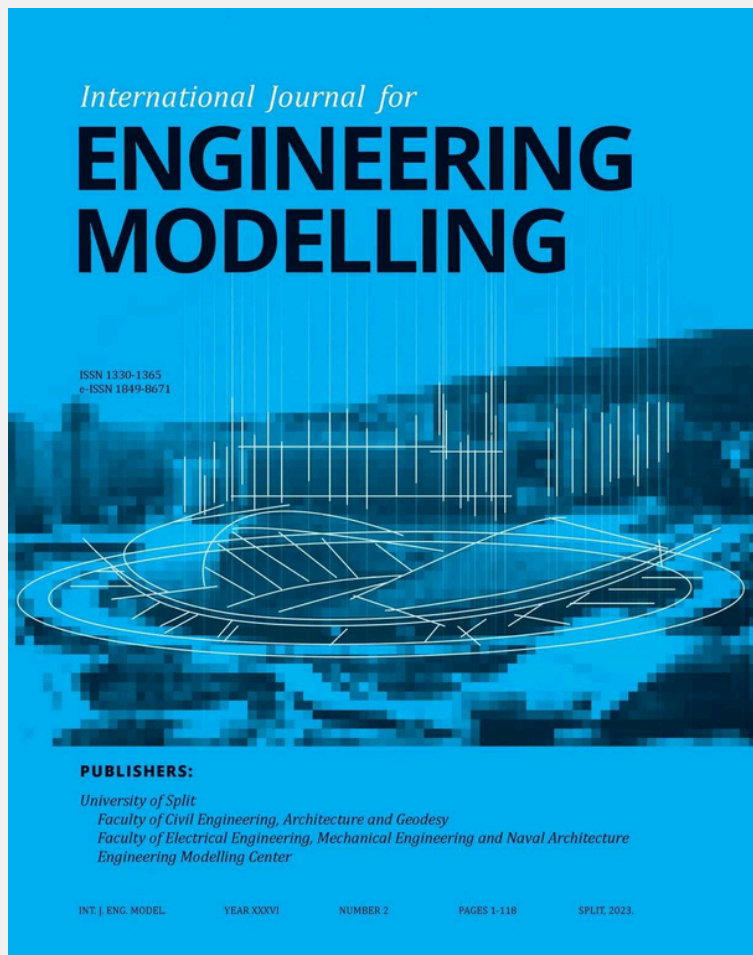
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Journal overview



International Journal for Engineering Modelling (IJEM) was founded in 1988 (published initially under the Yugoslav Journal for Engineering Modelling). At the initiative of the late Professor Frane Damjanić, the journal was launched by Professor Ante Mihanović (editor-in-chief) and Professor Pavao Marović (executive editor), with significant support from Roger J. Owen as a member of the editorial board, thanks to whom the journal was immediately recognized in the world, especially in the field of computer mechanics and numerical methods. Since 1992, it has changed its name to International Journal for Engineering Modelling. In its 36 years, through 37 volumes, 428 papers on 4390 pages were published. The journal publishes papers in English. Since its inception, it has been published in printed form, and for the last 20 years, also in the online edition. Publishers have also changed over the years. In the first years, it was the Institute of Civil Engineering Zagreb, Faculty of Civil Engineering Split, in 1992 it was joined by the Faculty of Civil Engineering Zagreb, and since 2016 the publishers are Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture and Faculty of Civil Engineering, Architecture and Geodesy, University of Split.

ABSTRACTING / INDEXING

Scopus ; Compendex ; Hrčak ; EBSCO

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Best Quartile 2019-2024 : Q2

Please refer to <https://www.scimagojr.com/journalsearch.php?q=26693&tip=sid>

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<https://gradst.unist.hr/international-journal-for-engineering-modelling>

and HRČAK (Portal of Croatian scientific and professional journals)

<https://hrcak.srce.hr/en/ijem>

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Subject area

International Journal for Engineering Modelling (IJEM) is a refereed, peer-reviewed international journal providing an up-to-date reference for engineers and researchers engaged in computer-aided analysis, design, and research in computational mechanics, numerical methods, geomatics, geoinformation, and engineering modelling. Elasto-plastic and elasto-visco-plastic analyses with static, cyclic, and transient loading situations are relevant. Contributions to constitutive models, computer analyses of physical models and adequately monitored prototype structures, application of computer techniques to design, and engineering modelling of various practical problems are especially welcome.

The specific objective of the International Journal for Engineering Modelling is to support researchers and practitioners by offering the following: modelling of different engineering problems, development, and application of different numerical methods, support to the design and manufacture, and development of software.

International Journal for Engineering Modelling publishes original scientific papers, preliminary communications, review papers, and professional papers.

The journal is highly interdisciplinary and welcomes scientifically sound research in traditional and emerging areas.

Biomedical Engineering

- Biomedical signal and image processing
- Biomedical imaging
- Biomechanics

Civil engineering

- Transportation engineering
- Structural engineering
- Geotechnical engineering
- Environmental engineering
- Construction engineering

Electrical and electronic engineering

- Information and communications
- Communications technology
- Circuits, devices and systems
- Micro and nanocircuits and devices

Energy engineering

- Renewable power engineering
- Power electronics, electric power applications
- Generation, transmission and distribution

Materials engineering

- Civil engineering materials
- Surface engineering
- Materials for energy applications
- Experimental stress analysis
- Nanomaterials and nanostructures
- Microstructural engineering
- Materials for electronics
- Materials processing

Mechanical engineering

- Fluid mechanics and fluid dynamics
- Mechanisms and machines
- Dynamics and control
- Thermodynamics, heat transfer, energy conversion
- Surface and interfaces engineering
- Manufacturing and production
- Design engineering

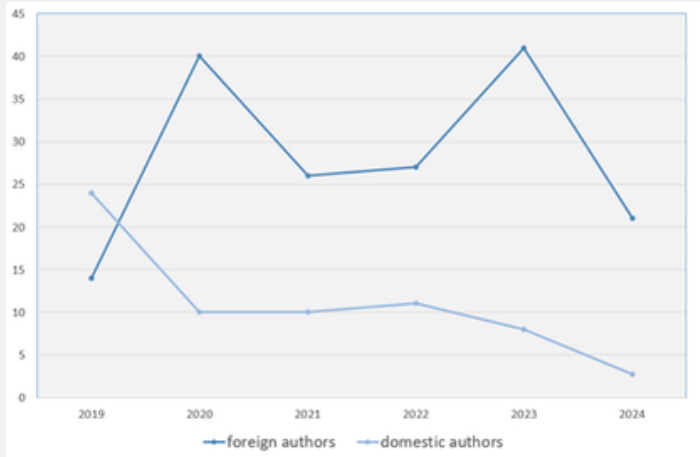
Naval Architecture

- Ship and offshore structures
- Ship hydromechanics
- Ship design
- Shipbuilding technology

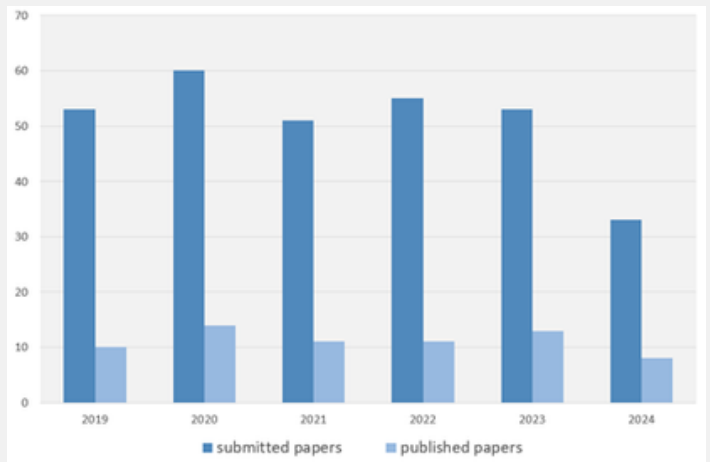


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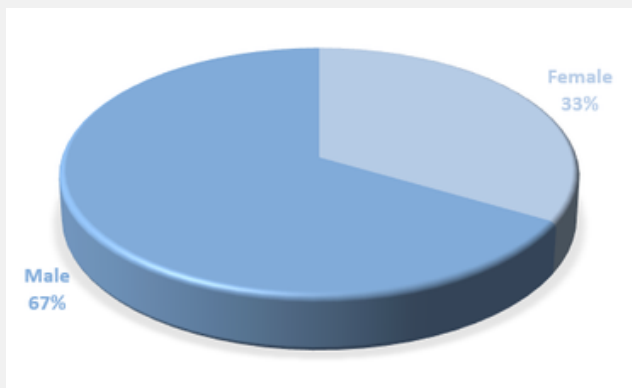
The journal is highly international. In the period from 2019 to 2024, there is a continuous increase in the number of foreign authors of published papers compared to domestic authors.



The journal is committed to prompt evaluation and publication of fully accepted papers. To maintain a high-quality publication, all submissions undergo a rigorous review process. The ratio of the number of papers submitted concerning the published ones shows the strict policy of editorial evaluation and as a review process.



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Increasing visibility and discoverability is always a challenge. One of the strategies includes getting the journal listed and indexed in various databases. The graph shows the browsing rate in the past period, taken from the journal's website, which will continue growing until the year's end.

