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DESCRIPTION

The *European Journal of Operational Research (EJOR)* publishes high quality, original papers that contribute to the methodology of **operational research (OR)** and to the practice of **decision making**. *EJOR* contains the following types of papers:

- Invited Reviews, explaining to the general OR audience the developments in an OR topic over the recent years
- Innovative Applications of OR, describing novel ways to solve real problems
- Theory and Methodology Papers, presenting original research results contributing to the methodology of OR and to its theoretical foundations,
- Short Communications, if they correct important deficiencies of papers previously published in *EJOR*

The Theory and Methodology Papers are classified into one of the seven headings:

- Continuous Optimization
- Discrete Optimization
- Production, Manufacturing and Logistics
- Stochastics and Statistics
- Decision Support
- Computational Intelligence and Information Management
- Interfaces with Other Disciplines

In addition to these types of papers, *EJOR* contains Book Reviews.

Benefits to authors

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Please see our [Guide for Authors](#) for information on article submission. If you require any further information or help, please visit our [Support Center](#)

AUDIENCE

Researchers and practitioners working in the area of operational research/management science

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GUIDE FOR AUTHORS

INTRODUCTION

Editorial policies

The *European Journal of Operational Research* (EJOR) publishes high quality, original papers that contribute to the methodology of operational research (OR) and to the practice of decision making. The relation with ongoing research should be demonstrated by providing proper reference to the recent OR literature. With application papers, originality should be demonstrated by applying OR to a problem with interesting new aspects or by providing fresh insights leading to successful implementation. Practitioners often suffer from the need to conceal commercial secrets. Referees will take this into sympathetic consideration when advising on an application paper, but it will not be allowed to detract from the clarity of the presentation.

Types of paper

EJOR includes the following types of papers:

• **Theory and Methodology Papers**

Papers presenting original research results contributing to the methodology of OR and to its theoretical foundations. The Theory and Methodology Papers will be classified by the Editors into one of seven sub-headings, based on the List of EJOR Keywords:

1. Continuous Optimization
2. Discrete Optimization
3. Production, Manufacturing and Logistics
4. Stochastics and Statistics
5. Decision Support
6. Computational Intelligence and Information Management
7. Interfaces with Other Disciplines

• **Innovative Applications of OR**

Papers describing novel ways to solve real problems. A paper presenting an Innovative Application of OR may be worthy of publication simply because it can be used to convince managers of the value to be gained by applying OR to particular problems.

• **Short Communications**

Short Communications are considered, but only if they correct important deficiencies of papers published in EJOR during the last 5 years.

• **Invited Reviews**

Review papers, submitted by invitation only, which explain to the general OR audience the developments in an OR topic over recent years. An Invited Review may be either on a specific research topic, a tutorial, or a bibliographic survey. Note: Anyone interested in writing a review is requested to suggest a topic to one of the Editors, or to a member of the editorial board of EJOR before submitting a paper. If the topic is considered suitable, an invitation to submit will then be given. Unsolicited review papers will be returned to the authors.

• **Special Issue Papers**

EJOR occasionally publishes groups of papers on topical themes. Submissions are handled by one or more Guest Editors. Special issues that are open for new submissions will each have their own paper type available in the submission system. Please visit the current list of [Calls for Papers](#) to see which special issues are open for new submissions.

Advice from the Editors

EJOR has a very high volume of submissions and acceptance is competitive. Therefore, papers that do not contain a major new research finding, or novel approach to the application of OR, are likely to be rejected. A paper may also be rejected because- in the opinion of the Editor- it does not make a sufficient scientific contribution.

All papers will be subject to an initial screening and technical check by the EJOR Managing Editor. Please carefully read the guidelines for **NEW SUBMISSIONS**, below. If your article is written in poor English or does not contain all of the required components, it will not progress to peer review stage.

Articles that do not pass the Managing Editor screening or do not conform to the Editorial Policy are likely to be rejected without peer review.

• **Are you making a new submission?**

All papers will be screened by the EJOR Managing Editor to make sure they conform to all Journal requirements. Please carefully read the **PREPARATION** section of this Guide for Authors for more details on each of the required components for New Submissions. We recommend you check this even if you have submitted to EJOR recently, as some requirements may have changed.

• **Has your submission been returned by the Managing Editor?**

The Editorial Policy of EJOR is such that your paper will not be able to progress to peer review until it is of a good standard of English and contains all of the required components. If you have received the message Send Back to Author then your paper has not passed the technical checks and unfortunately does not comply with one or more of the Journal policies. Please carefully read the feedback from the Managing Editor, to establish the reason your paper was returned, then consult the relevant **PREPARATION** section below for more information on how to improve and progress your paper.

• **Have you received an Editorial decision of Revise?**

If an Editor has made the decision that you need to revise your paper, for example Minor Revision or Major Revision, please carefully read the decision letter and any Editor and reviewer comments in order to make the required changes to your paper. When you are ready to resubmit, visit the **REVISED SUBMISSIONS** section. It contains advice, and details of the extra components required with your resubmission.

BEFORE YOU BEGIN

Ethics in publishing

Please see our information pages on [Ethics in publishing](#) and [Ethical guidelines for journal publication](#).

Declaration of interest

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. If there are no conflicts of interest then please state this: 'Conflicts of interest: none'. [More information](#).

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This journal operates a single blind review process. All contributions will be screened by the EJOR Managing Editor for language and completeness and, if they pass, assessed by an EJOR Editor for suitability for the journal. Papers deemed suitable are typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. [More information on types of peer review](#)

PREPARATION

NEW SUBMISSIONS

New submissions should be submitted as a single file, which will be used in the refereeing process. The single manuscript file can be a PDF file or word document. If you prefer to do so, you may still provide some or all source files in addition to the single file. Please note that individual figure files larger than 10MB must be uploaded separately.

If your source files are in LaTeX, please visit our [LaTeX site](#).

Requirements for New Submissions

Your article will be screened by the EJOR Managing Editor and must conform to the following guidelines in order to progress:

1. Standard of English

Please write your text in good English (American or British usage is accepted, but not a mixture of these). Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the English Language Editing service available from Elsevier's WebShop.

Papers written in poor English will immediately be returned to the authors.

2. Article format

• Page extent

The article should not exceed 30 pages (or 10 pages for Short Communications).

If necessary, Appendices can be uploaded as Supplementary Materials.

- **Format of text**

The article should be A4 or letter size, in single column pages, with 11pt font and 1.5 line spacing. Please do not use double column format or line numbering; line numbers will be added to your paper by the submission system.

- **Figures and tables**

Please ensure that figures and tables embedded in the single manuscript file are placed next to the relevant text in the article, not at the bottom or top of the file.

Figures should be of a high enough quality for refereeing.

- **Reference format**

References should follow the style used by the American Psychological Association (APA), with the reference list arranged alphabetically. The use of DOIs is encouraged. Please see the references section in **MORE INFORMATION** for details.

3. Article structure

The structure should be easy to follow. Sections should be clearly defined and numbered, with headings on separate lines.

Please include the following sections, taking into account the requirements for each:

- **Title Page**

Article Title. Please avoid formulae wherever possible. Abbreviations and acronyms are not permitted.

All author names and affiliations, including email addresses and postal addresses.

Clearly indicate which author is the **corresponding author**.

- **Abstract**

A 50-250 word summary of the article.

Please do not include formulae.

Please do not include unqualified abbreviations or acronyms. Any abbreviation or acronym that you have defined in the abstract should be redefined in the manuscript text.

References should be avoided, but if necessary, include the full reference.

- **Keywords**

The first keyword should be selected from the list of EJOR Keywords.

Please note that the first keyword should also be **entered separately under Section/Category in the submission system**.

Please include up to 4 additional keywords of your choice.

4. Supplementary materials

If your article contains any videos or other supplementary materials, these should be included in your initial submission for peer review purposes.

Please upload supplementary materials as separate files. Note that they will be available in the online version only.

New Submissions: file inventory

Mandatory

- Manuscript file in PDF or Word format

Optional

- Cover letter
- Manuscript source files
- Graphical abstract*
- Highlights*
- Supplementary materials*

New Submissions: checklist

Before submitting a new manuscript to EJOR, please ensure that your article:

- Conforms to Elsevier's Ethical Guidelines for Journal Publication
- Is written in good British or American English
- Does not exceed 30 manuscript pages (or 10 pages if a Short Communication)
- Uses single column formatting, 11pt font, 1.5 line spacing, and has no line numbers
- Has figures and tables embedded next to relevant text
- Includes references in APA format, with an alphabetical reference list*
- Includes a Title Page, containing all of the essential title page information*
- Includes one keyword from the list of EJOR Keywords and no more than 4 additional keywords*

- Does not contain formulae, abbreviations or acronyms in the Title
- Does not contain formulae or unqualified abbreviations or acronyms in the Abstract
- Does not contain unqualified abbreviations or acronyms in the main text
- Is in a single PDF or Word document (source files and/or supplementary materials* can be uploaded separately if needed)

*Please see the relevant sections in **MORE INFORMATION** for details.

REVISED SUBMISSIONS

After peer review, if an editorial decision of "Revise" is made, authors are asked to update their manuscript, according to the advice given by the Editors and referees. Authors are advised to revise and resubmit their manuscript no later than 6 months after the decision. If the revision is not submitted within this time, the review process of the paper will be terminated, and the revised paper will need to be submitted as a new submission.

Requirements for Revised Submissions

All revised submissions will be screened (again) by the EJOR Managing Editor, before being passed back to the relevant Editor.

In order for the Editor and/or referees to be certain that the requested changes have been carried out, please clearly outline all of the changes made to the article since its last submission, for example by colouring any new text in red. Changes should also be referred to in the 'Comments to reviewers' file. If there are too many changes, please explain this in the 'Comments to reviewers' file. Note that there is no need to include an additional, clean, version of the manuscript.

At revision stage, several additional components are needed. These should be submitted as separate files:

• Highlights

A short collection of bullet points that convey the core findings of the article.

Please see the Highlights section in **MORE INFORMATION** for details.

• Comments to reviewers

A separate document containing author responses to each of the Editor and/or reviewer queries and suggestions. Each of the changes made to the manuscript since the last review should be explained in this file.

• Manuscript source files

Regardless of the file format of the original submission, at revision stage authors must provide editable files of the entire manuscript.

These source files (e.g. Word, LaTeX) are required to typeset your article for final publication, in the event that an editorial decision of "Accept" is later made.

Revised submissions: file inventory

Mandatory

- Manuscript file, with changes clearly shown
- Highlights*
- Comments to reviewers
- Manuscript source files

Optional

- Cover letter
- Graphical abstract*
- Supplementary materials*

Revised submissions: checklist

Before submitting a revised manuscript to EJOR, please ensure that your article (still):

- Conforms to Elsevier's Ethical Guidelines for Journal Publication
- Is written in good British or American English
- Does not exceed 30 manuscript pages (or 10 pages if a Short Communication)
- Uses single column formatting, 11pt font, 1.5 line spacing, and has no line numbers
- Has figures and tables embedded next to relevant text
- Includes references in APA format, with an alphabetical reference list*
- Includes a Title Page, containing all of the essential title page information*
- Includes one keyword from the list of EJOR Keywords and no more than 4 additional keywords*
- Does not contain formulae, abbreviations or acronyms in the Title

- Does not contain formulae or unqualified abbreviations or acronyms in the Abstract
- Does not contain unqualified abbreviations or acronyms in the main text
- **Shows changes made to the manuscript**
- **Includes a separate Highlights* file**
- **Includes a separate Comments to reviewers file**
- **Includes separate source files**

*Please see the relevant sections in **MORE INFORMATION** for details.

MORE INFORMATION

Essential title page information

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Abbreviations, formulae and acronyms are not permitted.
- **Author names and affiliations.** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.
- **Corresponding author.** Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. **Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.**
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Abstract

A concise and factual abstract of between 50 and 250 words is required for all New and Revised Submissions. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, references should be avoided, but if essential, the full reference must be included. (For Short Communications, which address deficiencies in previous EJOR papers, the full reference to the original paper should always be included.)

Abstracts should not contain any formulae, or any unqualified abbreviations or acronyms. Abbreviations and acronyms used and defined within the abstract should be defined for a second time within the manuscript main text.

Graphical abstract

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. You can view [Example Graphical Abstracts](#) on our information site.

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Highlights

Highlights are optional for New Submissions but **mandatory for Revised Submissions**, as they are included within all accepted papers in this Journal. They consist of a short collection of bullet points that convey the core findings of the article and should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point). You can view [example Highlights](#) on our information site.

Highlights must not contain acronyms, abbreviations, formulae, or references.

Keywords

Keywords are required for all New Submissions and Revised Submissions. At least the first keyword should be selected from the official list of EJOR Keywords, below. Please note that the first keyword should also be **entered separately under Section/Category in the submission system**. Some keywords from outside the list may be added but the total number of keywords should not exceed five.

The letters before the keywords represent the Editor who will receive the paper, if it progresses through the initial screening process.

Codes of Editors: (I) - Immanuel Bomze; (B) - Emanuele Borgonovo; (D) - Robert Dyson; (O) - José Fernando Oliveira; (S) - Roman Slowinski; (T) - Ruud Teunter

List of EJOR keywords

- (D) Analytics
- (I) Applied probability
- (S) Artificial intelligence
- (S) Assignment
- (D) Auctions/bidding
- (D) Behavioural OR
- (I) Bioinformatics
- (S) Branch and bound
- (O) Combinatorial optimization
- (D) Community operational research
- (S) Complexity theory
- (B) Computing science
- (I) Conic programming and interior point methods
- (O) Constraint programming
- (I) Control
- (I) Convex programming
- (D) Cost benefit analysis
- (O) Cutting
- (D) Data envelopment analysis
- (I) Data mining
- (B) Decision analysis
- (D) Decision processes
- (S) Decision support systems
- (B) Distributed decision making
- (O) Distribution
- (S) Dynamic programming
- (D) E-commerce
- (O) Education
- (D) Ethics in OR
- (S) Evolutionary computations
- (I) Facilities planning and design
- (B) Finance
- (O) Flexible manufacturing systems
- (T) Forecasting
- (I) Fractional programming
- (S) Fuzzy sets
- (I) Game theory
- (O) Genetic algorithms
- (I) Global optimization
- (S) Goal programming
- (I) Graph theory
- (S) Group decisions and negotiations
- (O) Heuristics
- (D) Human resource planning
- (O) Humanitarian logistics
- (B) Integer programming
- (T) Inventory
- (B) Investment analysis

- (S) Knowledge-based systems
- (I) Large scale optimization
- (I) Linear programming
- (O) Location
- (T) Logistics
- (T) Maintenance
- (T) Manufacturing
- (I) Markov processes
- (O) Metaheuristics
- (D) Multi-agent systems
- (S) Multiple criteria analysis
- (S) Multiple objective programming
- (I) Multivariate statistics
- (I) Networks
- (I) Nonlinear programming
- (D) OR in agriculture
- (I) OR in airlines
- (B) OR in banking
- (T) OR in defence
- (O) OR in developing countries
- (O) OR in disaster relief
- (I) OR in energy
- (B) OR in entertainment
- (D) OR in environment and climate change
- (D) OR in government
- (O) OR in health services
- (O) OR in maritime industry
- (D) OR in marketing
- (S) OR in medicine
- (D) OR in natural resources
- (B) OR in organization theory
- (D) OR in research and development
- (I) OR in scientometrics
- (O) OR in service industries
- (D) OR in societal problem analysis
- (D) OR in sports
- (I) OR in telecommunications
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- (S) Preference learning
- (D) Pricing
- (D) Problem structuring
- (O) Production
- (D) Productivity and competitiveness
- (B) Project management
- (S) Project scheduling
- (T) Purchasing
- (I) Quality control
- (T) Quality management
- (I) Queueing
- (B) Reliability
- (I) Replacement
- (O) Retailing
- (D) Revenue management
- (B) Risk analysis
- (B) Risk management
- (B) Robustness and sensitivity analysis
- (S) Rough sets
- (T) Routing
- (B) Scenarios
- (S) Scheduling

- (I) Semi-infinite programming
- (B) Simulation
- (I) Stochastic processes
- (I) Stochastic programming
- (D) Strategic planning
- (T) Supply chain management
- (D) System dynamics
- (O) Timetabling
- (I) Traffic
- (O) Transportation
- (O) Travelling salesman
- (B) Uncertainty modelling
- (B) Utility theory
- (O) Validation of OR Computations

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