DESCRIPTION

The Research Policy has an open access mirror Research Policy: X, sharing the same aims and scope, editorial team, submission system and rigorous peer review.

Research Policy (RP) articles examine empirically and theoretically the interaction between innovation, technology or research, on the one hand, and economic, social, political and organizational processes, on the other. All RP papers are expected to yield findings that have implications for policy or management.

Aims and Scope: Research Policy (RP) is a multi-disciplinary journal devoted to analyzing, understanding and effectively responding to the economic, policy, management, organizational, environmental and other challenges posed by innovation, technology, R&D and science. This includes a number of related activities concerned with the creation of knowledge (through research), the diffusion and acquisition of knowledge (e.g. through organizational learning), and its exploitation in the form of new or improved products, processes or services.

RP is generally acknowledged to be the leading journal in the field of innovation studies, with its academic status and influence being reflected in a remarkably high 'Impact Factor' for a multi-disciplinary social science journal (please see below).

Authors intending to submit a paper to RP should first check whether that paper is consistent with the journal's Editorial Strategy as detailed in the Guide for Authors. RP uses an online submission process, http://ees.elsevier.com/respol/ and all papers are subject to a 'double-blind' review process, details as in the Guide for Authors. Besides research articles and notes, RP also publishes a variety of other types of papers including Special Issues (or shorter Special Sections) occasional discussion papers on important topical issues, and book reviews, again further information in the Guide for Authors.

Main Subjects Covered:
Economics of Innovation/Technology/Science; Entrepreneurs/Entrepreneurship; Evolutionary or (neo-)Schumpeterian Economics; Geography of Innovation - e.g. industrial clusters; Indicators - science, technology, R&D, innovation etc.; Innovation and Sustainability; Innovation Management/Organization/Policy/Strategy; Innovation Systems - national, regional, sectoral, technological; Knowledge - creation/production, diffusion/transfer/exchange, adoption/exploitation etc.; Learning (e.g. organizational) and Experimentation; Product and Process Development; Networks - e.g. research/ R&D collaboration, university-industry links, regional clusters, supply chains; Research and Development (R&D) Management/Organization/Policy/Strategy; Research Policy; Resource-Based View of the Firm - competence/capability (e.g. absorptive, core, dynamic); Science Policy;
Sociotechnical Paradigms/Regimes; Technological Paradigms/Trajectories; Technological problem-solving; Technology Management/Policy/Strategy.

Impact factor:
Research Policy’s impact factor has increased appreciably over recent years, rising from 1.078 in 2000 to 1.536 in 2004 and 2.655 in 2008. (There was a slight drop to 2.261 in 2009 following an expansion in the number of RP articles published in 2008.) In 2008, the journal ranked 11th among the world's top journals in "Management" and 1st in the "Planning & Development" category as ranked by Thompson Reuters, Social Sciences Citation Index Index® (© Thomson Reuters Journal Citation Reports, 2008).
RP’s Impact factor compares extremely well with that of leading journals in the neighbouring fields of Economics (where its 2008 impact factor would place it in 10th position, up from 29th position in 2000), Political Science (where it would currently rank 2nd), Sociology (3rd), Environmental Sciences (3rd) and other interdisciplinary social science journals.

IMPACT FACTOR
2018: 5.425 © Clarivate Analytics Journal Citation Reports 2019

ABSTRACTING AND INDEXING
Social Sciences Citation Index
Scopus
UnCover
Gale Group Trade & Industry Database
Compendex
Current Contents - Social & Behavioral Sciences
Economic Abstracts
ABI/Inform
International Political Science Abstracts
Journal of Economic Literature
UMI Data Courier
International Bibliography of the Social Sciences
Journal of Economic Literature

EDITORIAL BOARD

Editors
Maryann Feldman, University of North Carolina at Chapel Hill Department of Public Policy, Chapel Hill, North Carolina, United States
Adam Jaffe, Motu Economic and Public Policy Research, Wellington, New Zealand
Martin Kenney, University of California Davis Department of Evolution and Ecology, Davis, California, United States
Stefan Kuhlmann, University of Twente Department of Science Technology and Policy Studies, Enschede, Netherlands
Keun Lee, Seoul National University, Seoul, Korea, Republic of
Ben Martin, University of Sussex Science Policy Research Unit, Brighton, United Kingdom
Kazuyuki Motohashi, The University of Tokyo Graduate School of Engineering Faculty of Engineering Department of Technology Management for Innovation, Tokyo, Japan
Paul Nightingale, University of Sussex School of Law Politics and Sociology, Brighton, United Kingdom
Ammon Salter, University of Bath Faculty of Management, Bath, United Kingdom
Maria Savona, University of Sussex Science Policy Research Unit, Brighton, England, United Kingdom
John Walsh, Georgia Institute of Technology School of Public Policy, Atlanta, Georgia, United States

Associate Editors
Anna Bergek, Chalmers University of Technology, Goteborg, Sweden
Alex Coad, Pontifical Catholic University of Peru, Lima, Peru
Elisa Giuliani, University of Pisa, Pisa, Italy
Florian Kern, Institute for Ecological Economy Research, Berlin, Germany
Daniele Rotolo, University of Sussex Science Policy Research Unit, Brighton, United Kingdom
Sunil Mani, Centre For Development Studies, Thiruvananthapuram, India
Myriam Mariani, Bocconi University, Milano, Italy
Matt Marx, Massachusetts Institute of Technology Sloan School of Management, Cambridge, Massachusetts, United States
Anita McGahan, University of Toronto, Toronto, Ontario, Canada
David Mowery, University of California Berkeley Haas School of Business, Berkeley, California, United States
Philippe Mustar, Centre for the Sociology of Innovation, Paris, France
Richard R. Nelson, Earth Institute at Columbia University, New York, New York, United States
Gregory Nemeth, University of Wisconsin Madison, Madison, Wisconsin, United States
Matt Marx, Massachusetts Institute of Technology Sloan School of Management, Cambridge, Massachusetts, United States
Phil Shapira, The University of Manchester Alliance Manchester Business School, Manchester, United Kingdom
Brian Silverman, University of Toronto Joseph L Rotman School of Management, Toronto, Ontario, Canada
Laurel Smith-Doerr, University of Massachusetts Amherst Isenberg School of Management, Amherst, Massachusetts, United States
Olivier Sorenson, Yale School of Management, New Haven, Connecticut, United States
W. Edward Steinmueller, University of Sussex Science Policy Research Unit, Brighton, United Kingdom
Toby Stuart, University of California Berkeley Haas School of Business, Berkeley, California, United States
Judith Szute, University of the Republic Uruguay, Montevideo, Uruguay
Bruce Tether, University of Manchester, Manchester Business School, Innovation Management and Strategy, Manchester, United Kingdom
Stefan Thomke, Harvard Business School Technology and Operations Management, Boston, Massachusetts, United States
Peter Thompson, Georgia Institute of Technology Ernest Scheller Jr College of Business, Atlanta, Georgia, United States
Bernhard Truffer, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland
James M. Utterback, Massachusetts Institute of Technology, Cambridge, Massachusetts, United States
Reinhilde Veugelers, KU Leuven Faculty of Economics and Business, Leuven, Belgium
Poh-Kam Wong, National University of Singapore Department of Chemical and Biomolecular Engineering, Singapore, Singapore
Richard Yam, City University of Hong Kong, Kowloon, Hong Kong
Arvids A. Ziedonis, Stanford University Stanford Institute for Economic Policy Research, Stanford, California, United States
GUIDE FOR AUTHORS

Your Paper Your Way
We now differentiate between the requirements for new and revised submissions. You may choose to submit your manuscript as a single Word or PDF file to be used in the refereeing process. Only when your paper is at the revision stage, will you be requested to put your paper in to a 'correct format' for acceptance and provide the items required for the publication of your article.
To find out more, please visit the Preparation section below.

INTRODUCTION
Research Policy has an open access mirror journal, Research Policy: X.

Editorial Strategy
Research Policy (RP) publishes original research contributions in the field of 'innovation studies'. RP Editors look for papers that deal with core RP issues such as innovation, technological change, R&D, science, and the management of research and knowledge, issues that are likely to be of interest to the broad RP readership that includes 'practitioners' (e.g. managers, consultants, policy-makers) as well as academic scholars. (See the list of 'Main subjects covered' for a more comprehensive list of the main issues https://www.elsevier.com/locate/respol).

Innovation studies spans a number of subfields including the economics of innovation (with particular attention to evolutionary and neo-Schumpeterian analysis); technology and innovation management; and innovation policy and science (or S&T) policy. In addition to innovation studies, RP also draws upon mainstream disciplines such as economics, management, organizational studies, sociology, economic geography, political science and certain specialized branches of history (history of technology, economic/business history) (see list of 'Main subjects covered'). The term 'innovation studies' has evolved from (and incorporates) the earlier fields of 'science policy,' 'research policy' (hence the name of the journal), 'science and technology (S&T) policy' and 'science, technology and innovation (STI) policy.'

Authors considering whether to submit a paper to RP need to ensure not only that the main focus of the paper relates to one or more of the core subjects listed in 'Main subjects covered' but also that they approach the topic in a manner that is likely to be of interest to a large proportion of RP's wide-ranging readership (i.e. the paper should be neither too narrow nor too technical). Amongst other things, this includes engaging substantially with the body of literature familiar to the journal’s readership as well as focusing on research with potentially significant policy or management implications.

Submitted papers that have little direct relationship to the core RP issues, even if such papers are good, are likely to be rejected as 'out of scope'. In addition, some submitted papers, while they address an RP issue, may do so in a manner that is more appropriate to publication in a mainstream economics, management or other disciplinary journal, and they too are likely to be desk-rejected.

Types of Paper
RP publishes:
• Research Articles - full-length papers of up to 8-10,000 words
• Special Issues and Special Sections (see below)
• Research Notes - typically of 3-5,000 words, this category is a vehicle for specific types of material that merit publication, but do not require all the 'normal' components of a full research article. This might cover, for example, specific aspects of methodology that have broad relevance for RP readers, or short reports about specific sets or types of data (and their access and use) that merit publication without the full set of requirements for a normal article. It might also be relevant, for example, for updating an earlier RP paper, where it is not necessary to repeat the literature review, methodology etc.
• Discussion Papers - occasionally published on important topical issues where views differ; where such a paper has been accepted in principle, an RP Editor will commission perhaps two responses from those holding different views to appear alongside the discussion paper.
• Book Reviews - commissioned by RP Book Review Editor. (However, RP does not attempt to cover all new books in the field, only a selected few that are felt likely to be of wide-ranging importance for the field of innovation studies.)
**Special Issues and Special Sections**

Approximately twice a year, RP may publish a Special Issue (or a somewhat shorter Special Section) on a particular theme, where an integrated collection of articles has been put together and edited by two or three Guest Editors. Special Issues/Sections can fulfil a number of important functions:

- bringing together and integrating work on a specific theme (for instance, bringing together theoretical and empirical work, or work based on different methodological approaches);
- opening up a previously under-researched area (or one that has perhaps struggled with a rather conservative peer review process in its efforts to achieve recognition);
- constructing a bridge between formerly rather separate research communities, who have been focusing on similar or related topics.

Those thinking of proposing a Special Issue/Section should first consult or download the 'Notes for Proposers and Guest Editors' which can be found at [Notes](http://www.elsevier.com/locate/respol). These notes provide guidance on the nature and content of the 2-4 page proposal required. Proposals should be submitted to respol@sussex.ac.uk at or before the start of March or September each year. These proposals are then reviewed by the RP Editors on the basis of certain criteria that include: the novelty, importance and topicality of the theme; whether the papers will form an integrated whole; the standing of the authors; the experience of the Guest Editors in handling a task of this magnitude; and the overall 'added value' of a Special Issue or Section (as compared with publishing these papers separately in 'normal' issues). Those thinking of submitting a proposal, however, should bear in mind that, out of the half a dozen or so proposals considered every six months, only one on average will be allocated a Special Issue 'slot', so the competition is intense. A group of loosely connected papers from a conference on a fairly standard subject is unlikely to be accepted.

**Review Process**

All RP papers are reviewed using a 'double-blind' process in which reviewers are not informed who are the authors of the paper, as well as the authors not knowing who are the reviewers. To make this possible, authors need to submit two versions of their papers, a 'full' one which will be seen only by the handling Editor, and a 'blinded' version in which the names and addresses of authors have been removed and any identifying references have been suitably anonymised (the version sent to referees).

Submitted papers are first considered by the RP Editor to whom they were submitted. Papers that do not fall within the scope of RP are 'desk-rejected'. (Those that are borderline may be sent to an RP Advisory Editor who is a specialist on that topic for advice.) Papers that, while they address an RP issue, do so in a manner that is more appropriate to publication in a mainstream economics, management or other disciplinary journal, may also be desk-rejected (again perhaps following specialist advice from an RP Advisory Editor). In addition, papers that fail to meet a minimum threshold for quality and originality will be rejected without being sent out to reviewers.

Papers passing through this initial editorial scrutiny are then typically sent out to three referees. If one or more of these turns down the invitation to provide a review, other referees will subsequently be appointed. Normally, at least two authoritative reviews are needed before the handling Editor can make a decision as to whether to accept, reject, or ask for a 'revise and resubmit' of the submitted paper.

Currently, approximately one third of the papers submitted to RP are desk-rejected, about one third are rejected after peer review, and one third are eventually accepted (most after being revised once if not twice).

**Contact details for submission**

Submission to Research Policy now proceeds totally online via the EES system [http://ees.elsevier.com/respol/](http://ees.elsevier.com/respol/) (see below). EES provides detailed guidance to authors submitting papers as well as to referees invited to submit a review. Authors in need of assistance should contact: The Editorial Assistant, Research Policy Editorial Office at SPRU, SPRU-Science Policy Research Unit, Freeman Centre, School of Business, Management & Economics, Jubilee Building, University of Sussex, Brighton BN1 9SL. Tel: +44 (0) 1273 678173. E-mail: R.Ganesan@elsevier.com
Submission checklist
You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

Ensure that the following items are present:

One author has been designated as the corresponding author with contact details:
• E-mail address
• Full postal address

All necessary files have been uploaded:
Manuscript:
• Include keywords
• All figures (include relevant captions)
• All tables (including titles, description, footnotes)
• Ensure all figure and table citations in the text match the files provided
• Indicate clearly if color should be used for any figures in print
Graphical Abstracts / Highlights files (where applicable)
Supplemental files (where applicable)

Further considerations
• Manuscript has been 'spell checked' and 'grammar checked'
• All references mentioned in the Reference List are cited in the text, and vice versa
• Permission has been obtained for use of copyrighted material from other sources (including the Internet)
• A competing interests statement is provided, even if the authors have no competing interests to declare
• Journal policies detailed in this guide have been reviewed
• Referee suggestions and contact details provided, based on journal requirements

For further information, visit our Support Center.

BEFORE YOU BEGIN

Ethics in Publishing
Research Policy and Elsevier adhere to the highest standards with regard to research integrity and in particular the avoidance of plagiarism, including self-plagiarism. It is therefore essential that authors, before they submit a paper, carefully read the Ethical guidelines for journal publication. Particular attention should be paid to the sections under 'Duties of Authors' on 'Originality and Plagiarism' and 'Multiple, Redundant or Concurrent Publication'. When submitting a paper on EES, authors will be prompted as to whether they have read and agree to these guidelines before proceeding further with their submission. They will be asked specifically for an assurance that the paper contains no element of data fabrication, data falsification or plagiarism (including unacknowledged self-plagiarism). Authors are reminded that, where they draw upon material from another source, they must EITHER put that material in the form of a quote, OR write it entirely in their own words (i.e. there is no 'middle way'). In both cases, they must explicitly cite the source, including the specific page number in the case of a quote or a particular point.

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. Authors should complete the declaration of interest statement using this template and upload to the submission system at the Attach/Upload Files step. If there are no interests to declare, please choose: 'Declarations of interest: none' in the template. This statement will be published within the article if accepted. More information.

When submitting a paper to RP, authors need to select a specific Editor. They should choose the Editor who is best suited in the light of the content of the paper, please see list of relevant keywords for each editor here. However, authors should not submit to an Editor working in same institution (or one who has worked in the same institution over the previous five years). Nor should they submit to an Editor with whom they have co-authored, collaborated or had some professional or personal
relationship over the last five years. If in any doubt, authors should explicitly mention the nature of their relationship and any possible conflict of interest in a covering letter to the Editor when they submit the paper so that the Editor can take a view and, if necessary, allocate the paper to be handled by another RP Editor.

**Submission declaration and verification**
Submission of an article implies that the work described has not been published previously (except in the form of an abstract, a published lecture or academic thesis, see 'Multiple, redundant or concurrent publication' for more information), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, including electronically without the written consent of the copyright-holder. To verify originality, your article may be checked by the originality detection service Crossref Similarity Check.

**Use of inclusive language**
Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Articles should make no assumptions about the beliefs or commitments of any reader, should contain nothing which might imply that one individual is superior to another on the grounds of race, sex, culture or any other characteristic, and should use inclusive language throughout. Authors should ensure that writing is free from bias, for instance by using 'he or she', 'his/her' instead of 'he' or 'his', and by making use of job titles that are free of stereotyping (e.g. 'chairperson' instead of 'chairman' and 'flight attendant' instead of 'stewardess').

**Author contributions**
For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. More details and an example

**Changes to authorship**
Authors are expected to consider carefully the list and order of authors before submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only before the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the corresponding author: (a) the reason for the change in author list and (b) written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition of removal of authors, this includes confirmation from the author being added or removed.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors after the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended. If the manuscript has already been published in an online issue, any requests approved by the Editor will result in a corrigendum.

**Article transfer service**
This journal is part of our Article Transfer Service. This means that if the Editor feels your article is more suitable in one of our other participating journals, then you may be asked to consider transferring the article to one of those. If you agree, your article will be transferred automatically on your behalf with no need to reformat. Please note that your article will be reviewed again by the new journal. More information.

**Copyright**
Upon acceptance of an article, authors will be asked to complete a 'Journal Publishing Agreement' (see more information on this). An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with a 'Journal Publishing Agreement' form or a link to the online version of this agreement.

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution and for all other derivative works, including compilations and translations. If
excerpts from other copyrighted works are included, the author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Elsevier has preprinted forms for use by authors in these cases.

For gold open access articles: Upon acceptance of an article, authors will be asked to complete an 'Exclusive License Agreement' (more information). Permitted third party reuse of gold open access articles is determined by the author's choice of user license.

**Author rights**
As an author you (or your employer or institution) have certain rights to reuse your work. More information.

**Elsevier supports responsible sharing**
Find out how you can share your research published in Elsevier journals.

**Role of the funding source**
You are requested to identify who provided financial support for the conduct of the research and/or preparation of the article and to briefly describe the role of the sponsor(s), if any, in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication. If the funding source(s) had no such involvement then this should be stated.

Please note that such information should appear in the 'Acknowledgements' section.

**Funding body agreements and policies**
Elsevier has established a number of agreements with funding bodies which allow authors to comply with their funder's open access policies. Some funding bodies will reimburse the author for the gold open access publication fee. Details of existing agreements are available online.

**Open access**
This journal offers authors a choice in publishing their research:

**Subscription**
- Articles are made available to subscribers as well as developing countries and patient groups through our universal access programs.
- No open access publication fee payable by authors.
- The Author is entitled to post the accepted manuscript in their institution's repository and make this public after an embargo period (known as green Open Access). The published journal article cannot be shared publicly, for example on ResearchGate or Academia.edu, to ensure the sustainability of peer-reviewed research in journal publications. The embargo period for this journal can be found below.

**Gold open access**
- Articles are freely available to both subscribers and the wider public with permitted reuse.
- A gold open access publication fee is payable by authors or on their behalf, e.g. by their research funder or institution.

Regardless of how you choose to publish your article, the journal will apply the same peer review criteria and acceptance standards.

For gold open access articles, permitted third party (re)use is defined by the following Creative Commons user licenses:

**Creative Commons Attribution (CC BY)**
Lets others distribute and copy the article, create extracts, abstracts, and other revised versions, adaptations or derivative works of or from an article (such as a translation), include in a collective work (such as an anthology), text or data mine the article, even for commercial purposes, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, and do not modify the article in such a way as to damage the author's honor or reputation.

**Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND)**
For non-commercial purposes, lets others distribute and copy the article, and to include in a collective work (such as an anthology), as long as they credit the author(s) and provided they do not alter or modify the article.
The gold open access publication fee for this journal is **USD 2400**, excluding taxes. Learn more about Elsevier's pricing policy: [https://www.elsevier.com/openaccesspricing](https://www.elsevier.com/openaccesspricing).

Authors wishing to publish open access will be presented with the option to publish in Research Policy or in the journals open access mirror journal, Research Policy: X. [https://www.journals.elsevier.com/research-policy](https://www.journals.elsevier.com/research-policy) One, unified editorial team manages the peer-review for both titles using the same submission system. The difference between the journals is the access model under which the journals will publish your work and the indexation status. Research Policy: X will be indexed in Scopus if the parent is also indexed there; if the parent is indexed in MEDLINE, then Research Policy: X will also be eligible for fast inclusion in PubMed Central. However, please note that Research Policy: X will not have a CiteScore or Impact Factor initially. Applications for inclusion in Science Citation Index / Social Sciences Citation Index and any other relevant citation indexing databases will be made as soon as possible.

**Green open access**

Authors can share their research in a variety of different ways and Elsevier has a number of green open access options available. We recommend authors see our open access page for further information. Authors can also self-archive their manuscripts immediately and enable public access from their institution's repository after an embargo period. This is the version that has been accepted for publication and which typically includes author-incorporated changes suggested during submission, peer review and in editor-author communications. Embargo period: For subscription articles, an appropriate amount of time is needed for journals to deliver value to subscribing customers before an article becomes freely available to the public. This is the embargo period and it begins from the date the article is formally published online in its final and fully citable form. Find out more.

This journal has an embargo period of 36 months.

**Elsevier Researcher Academy**

Researcher Academy is a free e-learning platform designed to support early and mid-career researchers throughout their research journey. The "Learn" environment at Researcher Academy offers several interactive modules, webinars, downloadable guides and resources to guide you through the process of writing for research and going through peer review. Feel free to use these free resources to improve your submission and navigate the publication process with ease.

**Language (usage and editing services)**

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 Author Services.

Please note that Elsevier neither endorses nor takes responsibility for any products, goods or services offered by outside vendors through our services or in any advertising. For more information please refer to our Terms & Conditions: [https://www.elsevier.com/termsandconditions](https://www.elsevier.com/termsandconditions).

**Informed consent and patient details**

Studies on patients or volunteers require ethics committee approval and informed consent, which should be documented in the paper. Appropriate consents, permissions and releases must be obtained where an author wishes to include case details or other personal information or images of patients and any other individuals in an Elsevier publication. Written consents must be retained by the author but copies should not be provided to the journal. Only if specifically requested by the journal in exceptional circumstances (for example if a legal issue arises) the author must provide copies of the consents or evidence that such consents have been obtained. For more information, please review the Elsevier Policy on the Use of Images or Personal Information of Patients or other Individuals. Unless you have written permission from the patient (or, where applicable, the next of kin), the personal details of any patient included in any part of the article and in any supplementary materials (including all illustrations and videos) must be removed before submission.

**Submission**

Our online submission system guides you stepwise through the process of entering your article details and uploading your files. The system converts your article files to a single PDF file used in the peer-review process. Editable files (e.g., Word, LaTeX) are required to typeset your article for final publication. All correspondence, including notification of the Editor's decision and requests for revision, is sent by e-mail.
You will be asked to submit both a full version of your paper and also a 'blinded' version in which all the authors' names and affiliations have been removed and any identifying references have been suitably anonymised. You may also want to submit a covering letter to the Editor, bringing to his/her attention any pertinent facts with regard to the changes made in the 'blinded' version.

The EES system automatically converts these source files to PDF files, which are then used in the peer-review and editing process. Please note that, even though manuscript source files are converted into PDF files at submission for the review process, these source files are needed for further processing after acceptance. All correspondence, including notification of the Editor's decision and requests for revision, takes place by e-mail through the EES on-line system, removing the need for a separate paper trail. Authors are therefore requested to refrain from sending emails to the Editor outside the EES system unless this is absolutely essential.

PREPARATION

NEW SUBMISSIONS
Submission to this journal proceeds totally online and you will be guided stepwise through the creation and uploading of your files. The system automatically converts your files to a single PDF file, which is used in the peer-review process.

As part of the Your Paper Your Way service, you may choose to submit your manuscript as a single file to be used in the refereeing process. This can be a PDF file or a Word document, in any format or layout that can be used by referees to evaluate your manuscript. It should contain high enough quality figures for refereeing. If you prefer to do so, you may still provide all or some of the source files at the initial submission. Please note that individual figure files larger than 10 MB must be uploaded separately.

References
There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the article number or pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct.

Formatting requirements
There are no strict formatting requirements but all manuscripts must contain the essential elements needed to convey your manuscript, for example Abstract, Keywords, Introduction, Materials and Methods, Results, Conclusions, Artwork and Tables with Captions.

If your article includes any Videos and/or other Supplementary material, this should be included in your initial submission for peer review purposes.

Divide the article into clearly defined sections.

Figures and tables embedded in text
Please ensure the figures are tables included in the single file are placed either next to the relevant text in the article or on separate pages(s) at the end (not a mixture of both).

Peer review
This journal operates a double blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then 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.

Double-blind review
This journal uses double-blind review, which means the identities of the authors are concealed from the reviewers, and vice versa. More information is available on our website. To facilitate this, please include the following separately:

Title page (with author details): This should include the title, authors' names, affiliations, acknowledgements and any Declaration of Interest statement, and a complete address for the corresponding author including an e-mail address.

Blinded manuscript (no author details): The main body of the paper (including the references, figures, tables and any acknowledgements) should not include any identifying information, such as the authors’ names or affiliations including 'header' and 'footnote'.
**REVISED SUBMISSIONS**

The Editors request that text should be left-aligned and double-spaced (or at least 1.5 spacing), with margins of 1 inch or 2.5 cm all round.

In addition, make sure that you have first ‘accepted’ all changes previously listed in earlier versions under ‘track changes’, and that all embedded comments or highlighting of the text has likewise been removed.

To avoid unnecessary errors you are strongly advised to use the "spell-check" and "grammar-check" functions of your word-processor. Authors for whom English is not their first language should also seek help from colleagues or professional editors if this is necessary to bring the standard of the written English up to an acceptable standard.

**Use of word processing software**

Regardless of the file format of the original submission, at revision you must provide us with an editable file of the entire article. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier). See also the section on Electronic artwork.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

**Article structure**

**Subdivision - numbered sections**

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, …), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Please note that the 'acknowledgements' section at the end should not be included in the section number either.

A typical article might include the following main sections.

**Introduction**

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

The introduction should also justify why the topic of the paper is important and that the content is original. The summary of results should have been dealt with in the abstract.

**Literature review, conceptual framework, hypotheses etc.**

This section should extend (but not repeat) the background to the article already dealt with in the Introduction and lay the foundation for the work being reported. It should identify the most relevant previous literature on the topic (but not in excessive detail) in order to position the paper and demonstrate how it will make a significant contribution. It (or a separate section) should set out (and justify) the theoretical or conceptual framework adopted in the paper. It may identify a number of hypotheses to be tested or research questions to be explored. In short, this section (or sections) should explain what is the motivation for the paper and why its contribution is original and significant.

**Material and methods**

Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

The reader needs to know that the empirical data and/or other material are relevant, reliable and capable of supporting robust conclusions, and that the methodology is appropriate, systematic and rigorous.

**Results**

Results should be clear and concise.

**Discussion**

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.

This section should also make clear what is the original contribution of the paper, discuss the policy or management implications of the findings, provide a critical assessment of the limitations of study, and outline possible fruitful lines for further research.

Appendices
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.

Article length
RP has a strong preference for articles to be no more than 8-10,000 words. In exceptional circumstances, however, the RP Editor handling the paper may be willing to agree some latitude here with the author.

Essential title page information
- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **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. You can add your name between parentheses in your own script behind the English transliteration. 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. This responsibility includes answering any future queries about Methodology and Materials. **Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.**
- **Present/permanent address.** If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

Example title
Often, it may be helpful to split this into a short main title, followed (after a colon or a 'dash') by a subtitle: for example, 'Profiting from technological innovation: Implications for integration, collaboration, licensing and public policy'.

Highlights
Highlights are mandatory for this journal as they help increase the discoverability of your article via search engines. They consist of a short collection of bullet points that capture the novel results of your research as well as new methods that were used during the study (if any). Please have a look at the examples here: example Highlights.

Highlights 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).

Abstract
A concise and factual abstract is required. 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, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

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. Authors can make use of Elsevier’s Illustration Services to ensure the best presentation of their images and in accordance with all technical requirements.

**Keywords**
Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

**Classification codes**
Please provide up to 6 standard JEL codes. The available codes may be accessed at JEL.

**Acknowledgements**
Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

This section must identify the source(s) of funding for the research. It should acknowledge any research assistants or others who provided help during the research (e.g., carrying out the literature review; producing, computerizing and analyzing the data; or providing language help, writing assistance or proof-reading the article, etc.) but who are not included among the authors. It should state where and when any earlier versions of the paper were presented (e.g. at a seminar or conference). Lastly, it should acknowledge the help of all individuals who have made a significant contribution to improving the paper (e.g. by offering comments or suggestions).

**Formatting of funding sources**
List funding sources in this standard way to facilitate compliance to funder's requirements:

Funding: This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, please include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

**Math formulae**
Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

**Footnotes**
Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors build footnotes into the text, and this feature may be used. Should this not be the case, indicate the position of footnotes in the text and present the footnotes themselves separately at the end of the article.

**Artwork**

**Electronic artwork**

**General points**
- Make sure you use uniform lettering and sizing of your original artwork.
- Preferred fonts: Arial (or Helvetica), Times New Roman (or Times), Symbol, Courier.
- Number the illustrations according to their sequence in the text.
• Use a logical naming convention for your artwork files.
• Indicate per figure if it is a single, 1.5 or 2-column fitting image.
• For Word submissions only, you may still provide figures and their captions, and tables within a single file at the revision stage.
• Please note that individual figure files larger than 10 MB must be provided in separate source files.

You are urged to visit this site; some excerpts from the detailed information are given here.

Formats
Regardless of the application used, when your electronic artwork is finalized, please 'save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):
- EPS (or PDF): Vector drawings. Embed the font or save the text as 'graphics'.
- TIFF (or JPG): Color or grayscale photographs (halftones): always use a minimum of 300 dpi.
- TIFF (or JPG): Bitmapped line drawings: use a minimum of 1000 dpi.
- TIFF (or JPG): Combinations bitmapped line/half-tone (color or grayscale): a minimum of 500 dpi is required.

Please do not:
• Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); the resolution is too low.
• Supply files that are too low in resolution.
• Submit graphics that are disproportionately large for the content.

Color artwork
Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF), or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then Elsevier will ensure, at no additional charge, that these figures will appear in color online (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in color in the printed version. For color reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article. Please indicate your preference for color: in print or online only. Further information on the preparation of electronic artwork.

Figure captions
Ensure that each illustration has a caption. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Tables
Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end (not a mixture of both).

References
Citation in text
Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

Reference links
Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, please ensure that data provided in the references are correct. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is highly encouraged.

A DOI is guaranteed never to change, so you can use it as a permanent link to any electronic article. An example of a citation using DOI for an article not yet in an issue is: VanDecar J.C., Russo R.M., James D.E., Ambeh W.B., Franke M. (2003). Aseismic continuation of the Lesser Antilles slab beneath northeastern Venezuela. Journal of Geophysical Research, https://doi.org/10.1029/2001JB000884. Please note the format of such citations should be in the same style as all other references in the paper.
Web references
As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

Data references
This journal encourages you to cite underlying or relevant datasets in your manuscript by citing them in your text and including a data reference in your Reference List. Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so we can properly identify it as a data reference. The [dataset] identifier will not appear in your published article.

Reference management software
Most Elsevier journals have their reference template available in many of the most popular reference management software products. These include all products that support Citation Style Language styles, such as Mendeley. Using citation plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal's style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. More information on how to remove field codes from different reference management software.

Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link: http://open.mendeley.com/use-citation-style/research-policy
When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

Reference formatting
There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the article number or pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct. If you do wish to format the references yourself they should be arranged according to the following examples:

Reference style
RP now follows the Harvard referencing style (or a slight variation of it in which journal names are spelt out in full - see below). In this author/date referencing style, you should indicate a reference in the text by giving the author name (family name only, although include initials if the paper refers to work by two different authors with the same family name) followed by date of publication (in parentheses). If you cite two or more publications at the same time, separate these with a semicolon and list them alphabetically. If a publication has two authors, give both of these, but if the publication has three or more authors, give only the name of first author followed by "et al.". For quotations or where the reader needs to be guided to a specific point in the cited reference, always give the relevant page number.
Example of referencing within text to illustrate the above rules:
"... as argued by Nelson and Winter (1982, p.52). Other authors (e.g. Dosi et al., 1988; Freeman, 1987; Lundvall, 1992a & 1992b) have suggested ..."

Reference examples
In the reference list at the end of the article, the references should be listed in alphabetical order by author (and chronologically for works by the same author, with the letters "a", "b" etc. being used if that author has published more than one article in a given year).

Reference to a journal article

(Note that RP uses a slightly stylized form of the Harvard system in which the names of journals are spelt out in full rather than being abbreviated. In addition, issue numbers only need to be given if each issue of that journal begins its numbering from page 1.)

Reference to a book


Reference to an edited book

Reference to a chapter in an edited book

Reference to a report

Reference to a working paper, report etc. available on the web

Reference to a conference paper, lecture etc. that has not been published:

Reference to unpublished report, dissertation etc.:

Video
Elsevier accepts video material and animation sequences to support and enhance your scientific research. Authors who have video or animation files that they wish to submit with their article are strongly encouraged to include links to these within the body of the article. This can be done in the same way as a figure or table by referring to the video or animation content and noting in the body text where it should be placed. All submitted files should be properly labeled so that they directly relate to the video file's content. In order to ensure that your video or animation material is directly usable, please provide the file in one of our recommended file formats with a preferred maximum size of 150 MB per file, 1 GB in total. Video and animation files supplied will be published online in the electronic version of your article in Elsevier Web products, including ScienceDirect. Please supply 'stills' with your files: you can choose any frame from the video or animation or make a separate image. These will be used instead of standard icons and will personalize the link to your video data. For more detailed instructions please visit our video instruction pages. Note: since video and animation cannot be embedded in the print version of the journal, please provide text for both the electronic and the print version for the portions of the article that refer to this content.

Data visualization
Include interactive data visualizations in your publication and let your readers interact and engage more closely with your research. Follow the instructions here to find out about available data visualization options and how to include them with your article.
Supplementary material
Supplementary material such as applications, images and sound clips, can be published with your article to enhance it. Submitted supplementary items are published exactly as they are received (Excel or PowerPoint files will appear as such online). Please submit your material together with the article and supply a concise, descriptive caption for each supplementary file. If you wish to make changes to supplementary material during any stage of the process, please make sure to provide an updated file. Do not annotate any corrections on a previous version. Please switch off the 'Track Changes' option in Microsoft Office files as these will appear in the published version.

Research data
This journal encourages and enables you to share data that supports your research publication where appropriate, and enables you to interlink the data with your published articles. Research data refers to the results of observations or experimentation that validate research findings. To facilitate reproducibility and data reuse, this journal also encourages you to share your software, code, models, algorithms, protocols, methods and other useful materials related to the project.

Below are a number of ways in which you can associate data with your article or make a statement about the availability of your data when submitting your manuscript. If you are sharing data in one of these ways, you are encouraged to cite the data in your manuscript and reference list. Please refer to the "References" section for more information about data citation. For more information on depositing, sharing and using research data and other relevant research materials, visit the research data page.

Data linking
If you have made your research data available in a data repository, you can link your article directly to the dataset. Elsevier collaborates with a number of repositories to link articles on ScienceDirect with relevant repositories, giving readers access to underlying data that gives them a better understanding of the research described.

There are different ways to link your datasets to your article. When available, you can directly link your dataset to your article by providing the relevant information in the submission system. For more information, visit the database linking page.

For supported data repositories a repository banner will automatically appear next to your published article on ScienceDirect.

In addition, you can link to relevant data or entities through identifiers within the text of your manuscript, using the following format: Database: xxxx (e.g., TAIR: AT1G01020; CCDC: 734053; PDB: 1XFN).

Mendeley Data
This journal supports Mendeley Data, enabling you to deposit any research data (including raw and processed data, video, code, software, algorithms, protocols, and methods) associated with your manuscript in a free-to-use, open access repository. During the submission process, after uploading your manuscript, you will have the opportunity to upload your relevant datasets directly to Mendeley Data. The datasets will be listed and directly accessible to readers next to your published article online.

For more information, visit the Mendeley Data for journals page.

Data statement
To foster transparency, we encourage you to state the availability of your data in your submission. This may be a requirement of your funding body or institution. If your data is unavailable to access or unsuitable to post, you will have the opportunity to indicate why during the submission process, for example by stating that the research data is confidential. The statement will appear with your published article on ScienceDirect. For more information, visit the Data Statement page.

AFTER ACCEPTANCE
Online proof correction
Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.
If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.

We will do everything possible to get your article published quickly and accurately. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility.

Offprints
The corresponding author will, at no cost, receive a customized Share Link providing 50 days free access to the final published version of the article on ScienceDirect. The Share Link can be used for sharing the article via any communication channel, including email and social media. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's Author Services. Corresponding authors who have published their article gold open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.

AUTHOR INQUIRIES
Visit the Elsevier Support Center to find the answers you need. Here you will find everything from Frequently Asked Questions to ways to get in touch. You can also check the status of your submitted article or find out when your accepted article will be published.

© Copyright 2018 Elsevier | https://www.elsevier.com