DESCRIPTION

*Reactive & Functional Polymers* provides a forum to disseminate original ideas, concepts and developments in the *science* and *technology* of *polymers* with functional groups, which impart specific chemical reactivity or physical, chemical, structural, biological, and pharmacological functionality. The scope covers organic polymers, acting for instance as reagents, catalysts, templates, ion-exchangers, selective sorbents, chelating or antimicrobial agents, drug carriers, sensors, membranes, and hydrogels. This also includes reactive cross-linkable prepolymers and high-performance thermosetting polymers, natural or degradable polymers, conducting polymers, and porous polymers.

Original research articles must contain thorough molecular and material characterization data on synthesis of the above polymers in combination with their applications. Applications include but are not limited to catalysis, water or effluent treatment, separations and recovery, electronics and information storage, energy conversion, encapsulation, or adhesion.

Full-length papers, perspectives and review articles will be considered. We welcome cutting-edge, original research within our scope. Modelling and simulation work will be considered only when linked to new or previously published experimental results. Lack of originality and novelty, insufficient molecular characterisation, or poor comparison with the current state of the art are reasons for rejection.

AUDIENCE

Chemists, Chemical Engineers, Pharmaceutical Chemists, Agricultural Chemists, Biochemists, Biophysicists, Environmental Engineers.

IMPACT FACTOR

2018: 3.074 © Clarivate Analytics Journal Citation Reports 2019
ABSTRACTING AND INDEXING

Chemical Abstracts
Chemical Engineering Abstracts
Current Contents - Physical, Chemical & Earth Sciences
Engineered Materials Abstracts
Engineering Index
Metals Abstracts
Polymer Contents
FIZ Karlsruhe
Scopus

EDITORIAL BOARD

Editor-in-Chief
Alexander Bismarck, University of Vienna, Faculty of Chemistry, Institute of Materials Chemistry, Polymer and Composite Engineering Group, Wien, Austria

Editors
Catherine Branger, University of Toulon Laboratory of Polymer Materials Interfaces Marine Environment, Bat. X, 83041, Toulon Cedex 9, France
Maria Valentina Dinu, Peter Poni Institute of Macromolecular Chemistry, Iasi, Romania
Ke Zhang, Institute of Chemistry Chinese Academy of Sciences, North First Street 2, Zhongguancun, 100190, Beijing, China

Editorial Board
Spiro D Alexandratos, City University of New York, Hunter College, Department of Chemistry, New York, New York, United States
Benjamin Carbonnier, University Paris-East Creteil, Eastern Paris Institute of Chemistry and Materials Science, Thiais, France
Wen-Chang Chen, National Taiwan University, Taipei, Taiwan
Peter Cormack, University of Strathclyde, Glasgow, Scotland, United Kingdom
Elizabeth M. Cosgriff-Hernandez, University of Texas at Austin Department of Biomedical Engineering, Austin, Texas, United States
Jianzhong Du, Tongji University, Department of Polymeric Materials, Shanghai, China
Scott Grayson, Tulane University, New Orleans, Louisiana, United States
Eric Guibal, Engineering College Ales, Ales, France
Andrew J. Hall, Medway School of Pharmacy, United Kingdom
Wayne Hayes, University of Reading, Reading, United Kingdom
Richard Hoogenboom, Ghent University Department of Organic Chemistry, Belgium
Hatsuo Ishida, Case Western Reserve University Department of Macromolecular Science and Engineering, Cleveland, Ohio, United States
Shinichi Itsuno, Toyohashi University of Technology, Toyohashi, Japan
Baris Kiskan, Istanbul Technical University Department of Chemistry, Istanbul, Turkey
Eero Kontturi, Aalto University, School of Chemical Engineering, Department of Bioproducts and Biotechnology, Aalto, Finland
Kang Li, Imperial College London Department of Chemical Engineering and Chemical Technology, London, United Kingdom
Fuxin Liang, Chinese Academy of Sciences, Beijing, China
Guoy-Sheng Lou, National Taiwan University, Taipei, Taiwan
Hideharu Mori, Yamagata University Graduate School of Organic Materials Science, Yonezawa, Japan
Yukio Nagasaki, University of Tsukuba, Tsukuba, Japan
To Ngai, The Chinese University of Hong Kong Department of Chemistry, Hong Kong, Hong Kong
Oguz OKAY, Istanbul Technical University Department of Chemistry, Istanbul, Turkey
Louis M. Pitet, Hasselt University Institute for Materials Research Chemistry Department, Diepenbeek, Belgium
Adriana Popa, Coriolan Dragulescu Institute of Chemistry, Timișoara, Romania
Holmut Schlaad, University of Potsdam, Potsdam, Germany
Angels Serra, Rovira and Virgili University Faculty of Chemistry, Tarragona, Spain
Nora Elena Valderruten, Universidad Icesi, Departamento de Ciencias Químicas, Cali, Colombia
Brigitte Voit, Leibniz Institute for Polymer Research, Dresden, Germany
Alexey Volkov, A V Topchiev Institute of Petrochemical Synthesis Russian Academy of Sciences, Moscow, Russian Federation
Zong-Quan Wu, Hefei University of Technology School of Chemistry and Chemical Engineering Department of Polymer Science and Engineering, Hefei, China
Anqiang Zhang, South China University of Technology, College of Materials Science and Engineering, Department of Polymer Science and Engineering, Guangzhou, China
Wen-Bin Zhang, Peking University College of Chemistry and Molecular Engineering, Beijing, China
Zhengbiao Zhang, Soochow University, College of Chemistry, Chemical Engineering and Material Science, Suzhou, China
Zhicheng Zhang, Xi’an Jiaotong University School of Science, Xian, China

Honorary Editors
Steve Rimmer, University of Bradford, Bradford, United Kingdom
Yasuyuki Tezuka, Tokyo Institute of Technology, Tokyo, Japan
Nicola Tirelli, The University of Manchester, Manchester, United Kingdom
GUIDE FOR AUTHORS

INTRODUCTION

The Journal publishes papers dealing with new ideas and developments in the science and technology of polymers with functional groups that provide specific chemical reactivity or physico-chemical behaviour.

The scope covers functional polymers, acting as reagents and catalysts, with specific emphasis on solid- or gel-state chemistry; carriers of protecting groups or biofunctional groups; templating agents and functional matrices; ion-exchangers, selective sorbents, chelating agents; supports for enzymes and cells; electro-active and sensing materials. It also includes advanced polymer synthesis techniques, the study of polymer networks and rheology and processing of functional polymers.

The Journal addresses two main audiences: those engaged in the synthesis of new materials and the development of novel techniques, and those concerned with technology and practical applications in the laboratory or plant. The Journal encourages, and serves as a forum for, the dialogue between these two groups.

Types of Papers

Contributions have to present thorough molecular and material characterisation data, and may deal with the synthesis of the above polymers or with their applications in organic synthesis, catalysis, water or effluent treatment, separations, recovery, lithography, microelectronics, information storage, energy conversion, diagnostics, drug delivery, biotechnology coating and encapsulation, and adhesion.

Papers on a broad spectrum of topics are encouraged. Emphasis is on work at the frontiers of science or technology and furthering the interaction between researcher and practical engineer, rather than on details of theory or application. Full-length papers and review articles will be considered. However, authors intending to write a review should contact an Editor first. Uninvited reviews will not be considered. All material submitted must be original, that is it may not have been submitted elsewhere for publication.

Lack of originality, insufficient molecular characterisation, poor comparison with the current state of literature and with the authors' own production are, individually, sufficient reasons for rejection.

Poor English language is another reason for rejection. Authors are invited to use native speakers for a revision of their manuscripts prior to submission.

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
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. 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.

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.

Preprints
Please note that preprints can be shared anywhere at any time, in line with Elsevier's sharing policy. Sharing your preprints e.g. on a preprint server will not count as prior publication (see 'Multiple, redundant or concurrent publication' for more information).

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 or 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.

**Open access**
Please visit our Open Access page for more information.

**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 and language services**
Manuscripts should be written in English (American or British usage is accepted, but not a mixture of these) in a clear and concise manner and follow the style of a current issue of Reactive and Functional Polymers. Authors whose native language is not English should have the spelling, grammar, and style checked by someone fully proficient in the English language. Manuscripts which are not written in fluent English will be rejected automatically without refereeing.

Authors in Japan kindly note that, upon request, Elsevier Japan will provide a list of people who can check and improve the English of an article before submission. Contact our Tokyo office: Elsevier Japan K.K., 1-9-15 Higashi Azabu, Minato-ku, Tokyo 106-0044, Japan Tel.: +81-3-5561-5032; fax: +81-3-5561-5045; e-mail: jp.info@elsevier.com
Authors who require further information about language editing and copyediting services pre- and post-submission please visit https://www.elsevier.com/languagediting or our customer support site at service.elsevier.com for more information. 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 and Conditions https://www.elsevier.com/termsandconditions.

**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.

*Submit your article*

Please submit your article via http://ees.elsevier.com/react.

**PREPARATION**

**Peer review**

This journal operates a single 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.

**Article structure**

*Format*

Manuscripts must be written with 1 1/2 line spacing, using a 12 pt Arial or Times font. All pages must be numbered consecutively. 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.

*Title page: essential information*

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **Author names and affiliations.** Where the family name may be ambiguous (e.g., a double name), please indicate this clearly. 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 telephone and fax numbers (with country and area code) are provided in addition to the e-mail address and the complete postal address.
- **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.

*Abstract*

A concise and factual abstract, of not more than 200 words, 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.

*Keywords*
Immediately after the abstract, provide 5 keywords, using British 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.

Introduction
Statement of the problem. Outline of the paper and important findings. Provide an appropriate literature review and a statement of novelty of the approach relative to the state of the art, or a clear justification of the study.

Experimental
Please divide into the following sections: Materials and Physico-chemical characterization to provide, respectively, the details of all the materials employed and of all instrumental techniques used. Sections for the Synthesis, Physical characterization, Physico-chemical characterization or Biological experiments will contain experimental details. If you feel that equations need to be provided in support of the experimental description (e.g. to show how a yield, a swelling degree, a diffusion coefficient were calculated, to illustrate a mathematical model, etc.), add also a Theory section.

List of Symbols: Please include a list in the experimental section if more than about 10 symbols are used. Define all symbols and include units.

Results and discussion
Report the results in a clear and concise fashion, and explore their significance Avoid extensive citations and discussion of published literature. Please move any detailed description of equations or methods to the experimental section (Theory).

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.

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.).

Figure captions
Ensure that each illustration has a caption. Supply captions in a separate list after the references section, not attached to the figure. 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.

Schemes and figures
All the display elements should be placed in a separate section after the figure captions. Graphs and pictures should be numbered as figures. Schemes should contain reaction or process graphical descriptions and must be numbered separately from the other display elements. The place of schemes and figures should be clearly indicated in the text and their captions should be provided after the references section (see above). Generally graphs should be in black and white, otherwise you will incur in charges for graphs in colour. Please avoid the use of splines in graphs, which suggest the existence of a mathematical model for the data. Graphs should contain data points (with error bars) possibly connected by straight lines (as guide for eyes) or columns. The background of the graphs should be white, no grid used. Finally, the legend should not be embedded in a box. The font for the legend, axis labels and any other additional text should be Arial.

Tables
Number tables consecutively in accordance with their appearance in the text and place them in a separate section at the end of the manuscript. Place footnotes to tables below the table body and indicate them with superscript lowercase letters. Avoid vertical rules. Be sparing in the use of tables and ensure that the data presented in tables do not duplicate results described elsewhere in the article.
Highlights
Highlights are optional yet highly encouraged for this journal, as they 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).

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.

Units
Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

IUPAC Guidelines for Polymer Nomenclature
Authors are invited to follow IUPAC recommendations for naming and drawing polymers. A two-page guide is available here: http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1%5Bproject_nr%5D=2

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).

Electronic artwork
General points
• Make sure you use uniform lettering and sizing of your original artwork.
• Embed the used fonts if the application provides that option.
• Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
• Number the illustrations according to their sequence in the text.
• Use a logical naming convention for your artwork files.
• Provide captions to illustrations separately.
• Size the illustrations close to the desired dimensions of the published version.
• Submit each illustration as a separate file.
• Ensure that color images are accessible to all, including those with impaired color vision.

A detailed guide on electronic artwork is available.
You are urged to visit this site; some excerpts from the detailed information are given here.
Formats
If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.
Regardless of the application used other than Microsoft Office, 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 all used fonts.
TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.
TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.
TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

Please do not:
• Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
• 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.

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 style
Text: Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.
Example: '..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ....'
List: Number the references (numbers in square brackets) in the list in the order in which they appear in the text.
Examples:
Reference to a journal publication:
Reference to a journal publication with an article number:
Reference to a book:
Reference to a chapter in an edited book:
Reference to a website:
Reference to a dataset:

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.

RESEARCH DATA
This journal supports 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. When sharing data in one of these ways, you are expected 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 give 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. Before submitting your article, you can deposit the relevant datasets to Mendeley Data. Please include the DOI of the deposited dataset(s) in your main manuscript file. 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 page.

DATA IN BRIEF
You have the option of converting any or all parts of your supplementary or additional raw data into one or multiple data articles, a new kind of article that houses and describes your data. Data articles ensure that your data is actively reviewed, curated, formatted, indexed, given a DOI and publicly available to all upon publication. You are encouraged to submit your article for Data in Brief as an additional item directly alongside the revised version of your manuscript. If your research article is accepted, your data article will automatically be transferred over to Data in Brief where it will be editorially reviewed and published in the open access data journal, Data in Brief. Please note an open access fee of 500 USD is payable for publication in Data in Brief. Full details can be found on the Data in Brief website. Please use this template to write your Data in Brief.

AFTER ACCEPTANCE

Online proof correction
To ensure a fast publication process of the article, we kindly ask authors to provide us with their proof corrections within two days. 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