

***Advances in Resources Research* Instructions for Authors**

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1. Aims and Scope

Advances in Resources Research (ARR) is a peer-reviewed OA journal published by Resources Economics Research Board. The content of the articles in *ARR* is based on new results and shall not be published in other journals (except for the authors' patents and preprints).

ARR is published quarterly in an electronic journal. The full text of the article is available to anyone at J-STAGE (Japanese Science Technology Information Aggregator, Electronic) for free.

J-STAGE stores a full digital library including *ARR* with a dark archive by Portico. Therefore, when *ARR* is no longer available on J-STAGE, it can be published and used in Portico.

ARR covers articles on natural resources and related fields, including:

- Conventional oil and natural gas, coal
- Unconventional oil and natural gas
- New energy
- Crop science
- Soil science
- Hydrology and water resources
- Interdisciplinary research

2. Manuscript Types

The types of manuscripts in *ARR* are classified as follows.

- (1) Original Paper

An original academic study containing new facts or valuable conclusions.

(2) Review Paper

A newly written report on a particular subject, focusing on previously published papers, or a discussion of the authors' findings or findings, including the authors' opinion.

3. Ethics Policies

To further enhance the credibility of *ARR* publication, arrange and publish the ethical content of relevant parties in the "Posting Rules", "Peer Review Guidelines", and "Editorial Committee Regulations".

Authors

The contribution should include the authors' full contribution to the progress and development of science and technology concerning natural resources. In addition, the submitted manuscript should not have obvious commercial intent.

Authors must meet all of the conditions listed in the submission requirements when writing articles. One of the authors, who are responsible for responding to peer review and proofreading of papers until publication, is designated as the corresponding author.

Authors cannot fragment data that can be published as a single paper into multiple studies. Relevant studies should be summarized in a single manuscript. When a series of results are submitted as a series of articles, each article is given an independent title, and the title that unifies the whole is given as a subtitle.

The content of the article is based on new results and has not been published in another publication (except for the authors' patent and preprint). Double posting by authors is not allowed.

In the submitted manuscript, the source shall be specified to make it possible to refer to relevant past papers, and a full explanation of the novelty of such papers shall be included. Care must be taken not to infringe the copyrights of related articles.

Criticism of existing papers is permitted only for academic advocacy. Criticism should not be made to personally attack authors of existing papers.

The submitted manuscript must not contain falsification or falsification of data. And don't plagiarize ideas, methods, or results from other papers.

Sufficient information shall be provided in the submitted manuscript to allow third parties to reproduce, verify and evaluate the research.

Images of the document should accurately reflect the original data and should not be moved, deleted, added, or highlighted in specific areas. Images may also be processed digitally, but *ARR* editorial committee has the right, if necessary, to require the authors to submit the original image before processing.

Reviewers

The reviewers shall immediately decline a review request if: (1) there is a potential conflict of interest; (2) it is a non-technical review manuscript; or (3) it appears impossible to complete the review within the deadline.

The reviewers should conduct the review objectively and logically based on the quality and value of the refereed manuscript, with due respect for the authors' intellectual independence.

The reviewers shall not divulge the fact of the request to others. In addition, refereed manuscripts are treated as confidential and are not permitted to be shown or consulted by others. In addition, reviewers are prohibited from using unpublished material in peer-reviewed manuscripts.

The reviewers state their peer-reviewed opinions clearly and logically. Peer review comments should not be personally critical of authors. Also, the review opinion should assert the reviewers' subjective opinion and should not require any modification of the authors' point of view.

Editorial Committee

ARR editorial committee is independent of Resources Economics Research Board, and its structure and activities are subject to the "Editorial Committee Regulations".

ARR editorial committee must exercise fair control over the review process.

ARR editorial committee selects reviewers according to the type and requirements of the submitted manuscript, and conducts an anonymous review. In doing so, *ARR* editorial committee shall select without bias the most suitable reviewers based on their field of expertise. Also, reviewers should not be people who may have a favorable or negative personal bias toward the authors or subject of the submission.

ARR editorial committee shall not disclose to others any information relating to the peer review process or the manuscript submitted or the reviewers' information.

ARR editorial committee shall not take into account the authors' race, religion, ethnicity, sex, age, nationality, occupation, affiliation, or political beliefs in determining the manuscript to be submitted.

4. Peer Review Process

Manuscripts submitted to *ARR* will be peer-reviewed following these guidelines. The purpose of peer review is to objectively evaluate whether a submitted manuscript (articles and reviews) contributes to research in natural resources (energy, food, and water resources) and related fields and is worthwhile to be published in *ARR*, and to provide the editorial committee with materials for deciding whether or not to publish it. In addition, peer review exists to encourage the improvement of the submitted manuscript, not to exclude various opinions, and unify speech.

Confirmation of Posting Requirements

ARR editorial committee will check whether the submitted manuscript meets the prescribed requirements. A contribution manuscript that meets the contribution requirement and is accepted is notified to the authors of the acceptance.

Peer Review System

Peer review shall be conducted anonymously.

In principle, the submitted manuscript should be reviewed by one chief reviewer and one sub-reviewer.

Peer Review Procedure

(1) The editorial committee shall appoint reviewers.

(2) The reviewers submit the review results and comments to the authors to the editorial committee within two months of receipt of the review manuscript.

(3) The reviewers review the manuscript in four stages:

- A. Available
- B. Can be revised and published
- C. After amendment and reexamination
- D. Not available

(4) In principle, the editorial committee follows the reviewers' evaluations when they agree. If they do not agree with each other, the chairman of the editor-in-chief decides after consultation with the editorial committee.

(5) The review results will be communicated to the authors within two weeks.

Reviewers

Fairness must be ensured in the selection of reviewers. Therefore, persons belonging to the same institution as the author (including co-authors), persons stated in the acknowledgment, and persons who have direct business interests with the authors cannot be reviewers.

The requirements for reviewers are, in principle, (a) a doctor, (b) a professor or associate professor, and (c) three or more works as leading or equivalent authors in domestic and foreign journals on natural resources and related fields. Meet the plural conditions above.

Peer Review Criteria

Contributed manuscripts are considered from the viewpoint of the following publication standards in deciding whether to publish them.

- (1) Significance and value

Having new knowledge (novelty)

Opening up new possibilities to develop (creativity)

Having important knowledge (importance)

having scientific or technical contributions (usefulness)

(2) Structure and content

Clarify the purpose of the research

Use of research methods that meet research objectives

Study methods should be used appropriately

Sufficient and appropriate consideration based on the research results

The overall structure and text must be logical, consistent, and consistent

Appropriate citation of relevant documents

There is no ethical problem

No double posting

Obligation of Reviewers

The reviewers shall immediately decline a peer review request if: (1) there is a potential conflict of interest; (2) a non-technical peer review manuscript; or (3) it appears impossible to complete the review within the deadline.

The reviewers should conduct the review objectively and logically based on the quality and value of the refereed manuscript, with due respect for the authors' intellectual independence.

The reviewers shall not divulge the fact of the request to others. In addition, refereed manuscripts are treated as confidential and are not permitted to be shown or consulted by others. In addition, reviewers are prohibited from using unpublished material in peer-reviewed manuscripts.

The reviewers state their peer-reviewed opinions clearly and logically. Peer review comments should not be personally critical of authors. Also, the review opinion should assert the reviewers' subjective opinion and should not require any modification of the authors' point of view.

Method and Deadline for Submitting Amendments

When submitting a draft, the authors shall specify the content of the draft corresponding to the general comment by the chief reviewer and submit it to the editorial committee with a written response in any format. Rebuttal to peer review comments may also be included.

In principle, the deadline for submitting a revised draft shall be two months or less. If the revised draft is not submitted within the deadline, the editorial committee shall request the authors to submit a written statement of reasons. If reasonable grounds are found in the content of the revised draft, a new deadline shall be decided by the editorial committee.

System and the Deadline for Review

In the case of conditional acceptance, the editorial committee shall determine whether the conditions have been appropriately met, and in the case of revision, the results of the review shall be reviewed under the supervision of the chief reviewer (including a sub-reviewer if necessary).

The period of review shall be within one month in the case of a review that includes a sub-reviewer and within two weeks in the case of the only chief reviewer.

Notification

If a decision is made to allow publication, the editorial committee will reconfirm the examination procedures and formal requirements and notify the authors. If a decision is made to prohibit publication, the editorial committee will promptly notify the authors after confirming that there are no deficiencies in the examination procedure.

Authors' Objection

Authors may file a complaint with the editorial committee within two weeks of receipt of the notice regarding the review results or the decision to publish. The editorial committee shall respond to the objection within two weeks of receipt of the objection and respond to the authors.

5. Copyright, Open Access and Fees

The copyright of articles published in *ARR* (including the right to use derivative works, such as electronic versions) belongs to Resources Economics Research Board from the time the final manuscript is received. Posting articles in academic repositories to which authors belong is permitted only after publication of *ARR* and in the form of PDF files.

ARR is an open-access journal that publishes articles under a Creative Commons Attribution (CC BY) license.

Article Processing Charge (APC) of publishing articles in *ARR* varies by situation. Article of fund assistance pays a fixed APC of US\$500 per fund. Article without financial support is exempt from APC.

6. Manuscript Submission

Send an e-mail to *ARR* editorial committee as follows:

- Posted to: [arr.journal\(at\)rerbarr.com](mailto:arr.journal(at)rerbarr.com)
- The e-mail title shall be "New Post".
- Enter the type of article, title, authors' name and affiliation, and the name and contact e-mail address of one author who corresponds with the editorial committee in the body of the e-mail.

- Attach a Word file that combines the cover page, abstract, keywords, text, references, and diagrams to the e-mail attachment.
- The name of the attached file must not exceed 25 single-byte alphanumeric characters.
- The propriety of acceptance shall be notified by reply e-mail. If you do not receive a reply within a week, please check your spam folder and contact the above address.
- The results of the review and comments to the authors will be sent from the editorial committee within two months of receipt of the review manuscript.

7. Manuscript Preparation

Posting to *ARR* follows these guidelines.

Manuscript Cover

On the cover of the manuscript, the following items shall be noted.

- (1) Type of manuscript. Indicate the type of manuscript (Original Paper and Review Paper).
- (2) Title. The title should be brief and the subject clear.
- (3) Authors' names. The authors' names are completed. When an author belongs to a different organization, the right shoulder of the name is placed in front of the organization to which the author belongs by “† 1), † 2), ...”.
- (4) Name of the institution to which the author belongs. The name of the organization and the name of the department are written.
- (5) The corresponding author's e-mail address is noted in the footnote on page 1.
- (6) In the case of a special issue, the special theme is also described.

Abstract

The abstract should be a brief description of the background, objectives, methods, results, and conclusions of the study and should consist of approximately 150-200 words.

Keywords

The purpose of the keyword is to simplify the document retrieval, and the keyword is selected according to the following criteria and attached after the abstract.

- (1) A keyword shall not exceed three words and shall be a noun such as a matter or substance name.
- (2) Keywords are expressed by singular nouns in principle.
- (3) Keywords are selected by the authors.
- (4) Keywords may be changed at the discretion of the editorial committee.

Text

The text is written as follows.

(1) The form is not particularly limited, but the purpose, method, and conclusion are clarified. For example, in a thesis, the introduction, method, result and consideration, conclusion, and so on. In the contents of the text, redundant explanations of common-sense matters and descriptions of textbook contents are avoided.

(2) Sections of chapters, sections, and sections shall be point systems. Chapters can be subtitled. The chapter number shall be “1., 2., ...”, the section number shall be “1.1., 1.2., ...” and the section number shall be “1.1.1., 1.1.2., ...”. If the further subdivision is required, (1), (2), but avoid further subdivision.

(3) The beginning of a new line is separated by three characters.

(4) If footnotes are required, they shall be indicated on the right shoulder of the paragraph of the text as footnote 1), summarized at the bottom of the same page, and distinguished from the text.

(5) Each expression is numbered consecutively in parentheses as follows.

$$A + B = C \quad (1)$$

(6) Figures and tables shall always be numbered and cited in the text. For example, Figure 1 shows “Figure 1”, and Table 1 shows “Table 1”.

(7) The title and description of the figure are written at the bottom of the figure. The table title should be written at the top of the table and the description at the bottom of the table.

(8) Numbers indicating quantities and ordinal numbers shall be Arabic numerals.

(9) In principle, SI units should be used for units. If non-SI units are used, indicate the conversion method.

References

As a general rule, personal communications, unpublished or unpublished materials that are not disclosed to the outside world are not permitted as “References”.

(1) References are numbered consecutively in the order in which they appear, such as [1], [1,2], or [1-3], on the right-hand side of the text where they are found and are summarized at the end of the text.

(2) In principle, references should be written in English. In the case of a magazine, the name of the magazine (Last name first, first initial next), the name of the magazine, the year, the number of volumes (number), and the starting and ending pages are entered in this order. In the case of a book, the name of the publisher should be stated and the pages cited should be written like “23-25”. In the case of electronic documents, the website authors’ name, publication year, title, URL, access date, and so on. See the following examples for how to write references. For co-authors of three or more persons, “et al.” shall be used.

Examples:

[1] Liu, X. Concentrated zones assessment of tight oil reservoir on discriminant analysis in China. *Journal of the Japan Institute of Energy*, 2018, 97(6), 124-134.

[2] Yang, J., Cao, S. Current situation and development trend of deep-water oil drilling technology. *Oil Drilling and Production Technology*, 2008, 2, 10-13.

[3] Zhang, J., Lin, L., Li, Y., et al. Classification and evaluation of shale oil. *Earth Science Frontiers*, 2012, 19(5), 322-331.

[4] Guo, X. The Development history of world offshore oil. Petroleum Industry Press, 2012, 33-35.

[5] Shale Gas Reporter. Range resources sets record lateral length in Pa. <http://shalegasreporter.com/news/range-resources-sets-record-lateral-length-pa/60921.html>
(Accessed 2020/11/16)

Appendix

The appendix will be used when the scope of the footnotes cannot be covered and shall be included after the text. Appendices, if any, shall be indicated in the text. The figures and tables in the appendix shall be numbered independently.

Quantity of manuscript

In principle, the volume of manuscripts should not exceed 10 pages for Original Paper and 20 pages for Review Paper.

8. Accepted Manuscripts

Accepted manuscripts are edited by the *ARR* production team before publication. *ARR* is published continuously online. Communication concerning accepted manuscripts shall be addressed as the corresponding author.

Proofs

Proofreading is an e-mail to the corresponding author. The corresponding author will review it within 72 hours and email it back.

Proofreading is done once at the first or second proof. In principle, correction of contents at the time of calibration is not permitted.

Reprints

Order forms for reprints are sent with the proofs to the corresponding authors and should be returned with the proofs.

9. Preprints

ARR recommends that authors submit their manuscripts to community-recognized preprint servers, which includes a preprint server run by JST (Japanese Science Technology), either before or in parallel with the submission.

When submitting a preprinted paper, declare that the manuscript is a preprinted paper. After adoption, it is recommended that the URL of the *ARR* article be displayed in the preprinted article.

10. Contact

The Editorial Office

Manoir Nile 301, 3-2-28, Kita 18 West, Kita-ku, Sapporo-city, Hokkaido 001-0018, Japan

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