



# Remote Sensing of Land

DOI: <https://doi.org/10.21523/gcj1>  
<https://gathacognition.com/journal/gcj1>



## AUTHOR GUIDE

### 1 ABOUT JOURNAL

Land is a wider concept than soil or terrain. It is a reasonably stable or predictably cyclic bio-physical unit of the earth's surface, comprising the physical environment including relief, soils, surface hydrology (shallow lakes, rivers, marshes, and swamps), near-surface geology (sedimentary layers and groundwater), near-surface atmosphere, vegetation influencing potentials of land use, and results of past and present human activities, e.g. 1) reclamation of lands from the sea and vegetation clearance, 2) adverse effects – soil salinization, water logging, 3) drainage structures, 4) infrastructures – roads, buildings, etc. Land is a potential source of environmental services, including biodiversity protection, atmospheric carbon control, nutrient cycles, atmospheric water and groundwater conservation, forestry, and scenic beauty. Millions of people across the globe have been directly affected by land degradation in recent decades, and billions are at risk. Effective monitoring and assessment of sustainable land management (SLM) requires accessibility to advanced tools and methods. Remote Sensing techniques are an efficient tool for building a solid scientific base to bridge the gap between knowledge demand and availability for SLM. Therefore, '**Remote Sensing of Land**' (RSL) publishes innovative methods and techniques used for remote sensing and analysis of land.

#### 1.1 Aim and Scope

'**Remote Sensing of Land**' is focused on navigating the applications of Remote Sensing techniques in Sustainable Land Management through a strong database, innovative techniques, and methodologies, etc.

#### 1.2 Topics

The journal, RSL, covers the following topics, but is not restricted to:

- a) Remote sensing sensors
- b) Remotely sensed database
- c) Innovative methods and techniques used for data analysis
- d) Imaging, mapping, fusion, etc.
- e) Impact assessment of land
- f) Socio-economic-cultural analysis using remotely sensed data
- g) Applications
- h) Case studies
- i) etc.

#### 1.3 Subjects Covered

Space Technology, Remote Sensing, GIS, Cartography, Earth Sciences, Geology, Geography, Environmental Sciences, Soil Sciences, Agriculture, Forestry, etc.

#### 1.4 Audience

'**Remote Sensing of Land**' has a wide readership, including Scientists, Engineers, Managers, Academicians, Students, etc., interested in geo-spatial analysis, mapping, and monitoring the bio-physical aspects of the Earth's surface.

## 2 UNIQUE PUBLISHING POINTS (UPP)

Author(s) should clearly state the points that elaborate the **uniqueness** of the article in the introduction or background section. These points may include innovations, improvements, critiques, techniques, methodology, findings, etc.

## 3 CONSIDERATIONS

‘Remote Sensing of Land’ considers manuscripts on the following conditions:

- a) The manuscript is your own original work,
- b) The manuscript is not submitted to and/or under consideration for publication in any other journal, book, volume, etc.,
- c) The manuscript does not contain abusive, defamatory, libelous, obscene, fraudulent, or illegal matter, words, statements, images, data, etc.

## 4 TYPE OF ARTICLES

‘Remote Sensing of Land’ publishes articles in the form of:

- a) Original Research Paper  
Original research paper reports the results of original research.
- b) Technical Paper  
Technical paper gives a complete description of a specific application of a technique, in brief (4 to 5 pages).
- c) Review Article  
Review article reports the progress, shortfall, views, approaches, trends, etc. reported in previous research. The article may be submitted directly through the Manuscript Portal™ or by invitation.
- d) Book Review  
We invite a precise review (1 to 2 pages, or 500 words) of a recently published, relevant book(s).

## 5 GENERAL GUIDELINES

### 5.1 Documents and Order

Use MS Word to prepare the manuscript and submit the original files through the Manuscript Portal™ to **RSL**. Save files as First Page, Main text, Table, Figure, Captions, etc. The Main text file may be named ‘Manuscript’ with the author’s initials, e.g. Manuscriptvsb; *tables as Table1, Table2, ...; figures as Figure1, Figure\_2, ...*

The manuscript should be submitted in the following order:

- a) First Page  
Title,  
Author details: Author name(s), Affiliation(s) with address,  
Correspondence: Address(s), Email, Fax, Telephone, Cell phone, etc.  
Author for Correspondence: Address(s), Email, Fax, Telephone, Cell phone, etc.  
Funding agency, Funding Awards, etc.
- b) Main text,  
Title (without author details),  
Abstract (150 words),  
Key Words (4 to 6),  
Introduction,  
Body (methodology, results, discussions, findings, conclusions),  
Acknowledgements,  
No conflict of interest(s),  
Endnotes,  
References

- c) Tables
- d) Figures
- e) Captions

## 5.2 Language

We prefer plain American English for manuscripts submitted to all journals of GATHA COGNITION™; however, manuscripts prepared in British and Indian English are also acceptable.

## 5.3 Font and Size

Use a regular font, ‘Times New Roman’, size 10pt for manuscripts. Avoid the use of *italics*; however, it is suggested for special words like vernaculars or regional languages.

## 5.4 Paragraph and Spacing

Paragraphs should be formatted with **Single Line Spacing**, with 6pt spacing before and after each paragraph and heading.

## 5.5 Headings and Subheadings

We accept headings up to **three levels**.

### 1. HEADING LEVEL - I

Capital and bold,

Numbers- 1, 2, 3, ...

Start numbers from Introduction or background, exclude abstract and key words.

#### 1.1 Heading Level - II

Capitalize each word (exclude words like the, in, and, etc.) with bold.

Numbers- 1.1, 1.2, 1.3, ... 2.1, 2.2, 2.3, ...

##### 1.1.1 Heading Level - III

*Italic*

Numbers- 1.1.1, 1.1.2, 1.1.3, ... 1.2.1, 1.2.2, ...

## 5.6 Citations

All references listed at the end of manuscript, tables, figures, etc. should be cited in the text at appropriate places as:

- a) References
  - Single author: (Bhagat, 2002), ... Bhagat (2002)
  - Two authors: (Smith and Warner, 2002)
  - Authors more than two: (Smith *et al.*, 2006)
  - Two or more citations: (Bhagat, 2002; Smith and Warner, 2002; and Smith *et al.*, 2006), ... Bhagat (2002), Smith and Warner (2002), and Smith *et al.* (2006)
- b) Table(s): (Table 1), (Table 2), ...
- c) Figure(s): (Figure 1), (Figure 2), ...
- d) Equation(s): (equation (1))

## 5.7 Quotations

Author may quote generic texts from published literature to enrich the manuscript using single ‘...’ as well as double “...” quotation marks, with proper citations.

## 5.8 Footnotes

Footnotes may be given at the end of manuscript.

## 5.9 Mathematical Issues

1. Equations should be composed using ‘Equation formats’ available in MS Word.
2. Use standard units, symbols, universal constants, functions, etc. for representation of mathematical data.
3. Equations should be numbered as: (1), (2), ... and cited in the text as (equation (1)), (equation (2)).

## 5.10 Figures

1. Only high-quality figures are acceptable for publication of the article. Please scan images at the following resolutions: 1200 dpi for line art, 600 dpi for greyscale, and 300 dpi for color images.
2. Figures should be saved in separate files as TIFF, JPG and PNG.
3. Figures must be numbered (Figure 1, Figure 2, ...) in the order in which they appear in the text.
4. Figures must be captioned and all captions should be provided on separate page.
5. All axes on the graph must be labeled, and units (km<sup>2</sup>, m, kg, etc.) must be clearly stated.
6. Map or remote sensing images should have:
  - a) North arrow and scale bar with clearly stated units.
  - b) Location information with standard geographical coordinates.
  - c) Borders should be carefully mapped from authentic maps only.

## 5.11 Highlights

Author should provide 4 to 6 bullet points to highlight the important aspects of the article including background, methodology, findings, conclusions, etc. Each bullet point should be less than 70 characters including spaces. Highlights appear only on web pages.

## 5.12 Graphical Abstract

A graphical abstract is a summary of the main findings of the article presented in graphical form, i.e. image, graph, picture, map, formula, etc. It is used to show the main findings of the article graphically in the online version. The graphical abstract helps the reader capture the research findings at a glance. All graphics, i.e. images, should be prepared at 300 dpi, with preferred file types: TIFF, JPG, and PNG.

## 5.13 List of References

References should be listed alphabetically at the end of manuscript as below:

1. Journal Article

Author name [surname and initials], year of publication. Title of article. *Name of the journal (Italic)*, number of volume (issue number), page numbers.

Bhagat, V. S., 2009. Use of LANDSAT ETM+ data for detection of potential areas for afforestation. *Int. J. Rem. Sens.*, 30 (10), 2607–2617.

2. Edited Book

Author name(s) [surname and initials], year of publication. Title of article or chapter. Name(s) of the editor(s), *name of the book (Italic)*, edition, publication, city (country), page numbers.

Wang, J. R. and Choudhury, B. J. 1995. Passive microwave radiation from soil: Examples of emission models and observations. Choudhury, B., Kerr, Y., Njoku, E., Pampaloni, P. (Eds.), *Passive Microwave Remote Sensing of Land–Atmosphere Interactions*, The Netherlands, 423–460.

3. Book

Author name(s) [surname and initials], year of publication. *Name of the book (Italic)*. Edition, publication, city (country), page numbers.

Hui, L., Di, L., Xianfeng H., and Deren, L., 2008. *Laser intensity used in classification of lidar point cloud data*. Geoscience and Remote Sensing Symposium, Boston, Massachusetts, USA, 28-35.

Schmugge, T. J. and Choudhury, B. J., 1980. *A comparison of radiative transfer models for predicting microwave emission from soils*. NASA Technical Memorandum 80688, USA.

Deer, P., 1999. *Digital change detection techniques: civilian and military application published in the UK*. Taylor and Francis Ltd.

4. Conference paper published in volume

Author name(s) [surname and initials], year of publication. Title of paper. *Title of the Conference/Workshop/Symposium (Italic)*, city (country), page numbers.

Rabia, A.H., 2012. Mapping soil erosion risk using RUSLE, GIS and Remote Sensing Techniques. In *the 4th International Congress of ECSSS, EUROSOIL*, Bari, Italy.

5. Reports

Name of the organization [Abbreviation], year of publication. Title of report. Name of the Organization, city (country), page numbers.

FAO, 1976. A framework for land evaluation, Soil Bulletin 32. Food and Agriculture Organization of the United Nations, Rome, Italy.

Census of India, 2011. Government of India.

6. Thesis and Dissertation

Author name(s) [surname and initials], year of submission. Title of the Thesis/dissertation. Degree, name of the University / Organization, city (country), page numbers.

Wakene, N., 2001. Assessment of important Physiochemical properties of Dystric Udalf (Dystric Nitosols) under different management system in Bako area, Western Ethiopia. M.Sc. Thesis. School of Graduate Studies, Alemaya University, Ethiopia.

7. Patents

Author name(s) [surname and initials], year of publication. Title of the patent. Patent number.

Balsam, W. L. and Tex, B. C., 1992. Method for quantitative detection of organic materials in rock and sediments using visible light spectra. US 5155546.

8. Web Pages

Give URL and mention the date of accession.

WMO, 2005. Climate and land degradation. World Meteorological Organization (WMO) Publication No. 989. Available online at <http://www.wmo.int>, accessed on 22<sup>nd</sup> June 2016.

9. DOI (Digital Object Identifier)

Articles with a DOI are citable in manuscripts submitted to RSL. Mention the DOI in citations.

Zolekar, R. B. and Bhagat, V. S., 2015. Multi-criteria land suitability analysis for agriculture in hilly zone: Remote sensing and GIS approach. *Computers and Electronics in Agriculture*, 118, 300–321, <http://dx.doi.org/10.1016/j.compag.2015.09.016>

10. We accept abbreviations of journal names provided by the journals.

**Please Note**

1. Appendices

Appendices are not required for articles published in RSL.

2. Figure(s)

Each figure should be in separate file.

3. Authorship
  - a) The person leading the reported research and manuscript preparation should be listed as the first author of the article.
  - b) All persons involved in reported research and preparation of manuscript must be named in the manuscript as co-authors.
  - c) The corresponding author must be authorized and agreed upon by all author(s) for all correspondence required for publication of the manuscript.
4. Affiliations

The manuscript must contain the full name and contact information, including detailed address, telephone numbers, email, etc., of the organization, research institute, etc., where the authors work and the research was undertaken. Please note that no change will be accepted after the manuscript is accepted for publication in RSL.
5. Author name(s) and affiliation(s) should be mentioned on the ‘first page’, only.
6. Funding agencies

Author(s) should mention funding agencies and grant-awarding bodies that helped fund the research reported in the article. Please mention details [e.g. scheme or grant number, year] of grants or awards received for the research.
7. Biographical note

Biographical notes are not required for this journal.
8. Use plain English and avoid discriminatory, sexist or racist terms and language.

## **6 PUBLICATION CHARGES**

There are no submission fees or page charges, including for color pages, for RSL.

## **7 REPRODUCTION OF COPYRIGHTED CONTENTS**

Author must obtain written permission to use texts, data, images, tables, drawings, audio clips, video clips, film stills, and screenshots from the copyright owner, prior to submission. The source of the content must be acknowledged and cited in the text.

## **8 COPYRIGHTS**

GATHA COGNITION™ asks author(s) to sign the publishing agreement to transfer the copyrights of accepted article in final form including abstract, text, figures, tables, data, supplementary materials, references, etc. and hosted at [www.gathacognition.com](http://www.gathacognition.com). You will find ‘Publishing Agreement’ on ‘Author Account’ at ‘Manuscript Portal™’ with uploaded composed copy of the article. Please upload duly signed copy of the ‘Publishing Agreement’ through author account.

## **9 FREE e-PRINTS TO AUTHOR(S)**

GATHA COGNITION™ provides e-prints of published article to author(s) free of charge for non-commercial use and sharing with friends and colleagues in any way. Author(s) can access the article on his/her ‘Author Account’ at the Manuscript Portal™, at any time.

## **10 e-PRINTS**

Authors can order e-prints using the link on their account at the Manuscript Portal™.

## **11 CHECK LIST**

Please refer to the check list before manuscript submission, for successful publication.

1. First page prepared separately and information of author(s) not included in manuscript.
2. Author(s) information including full name(s) according to sequence(s), affiliation(s), contacts (telephone, cell, fax, email, etc.), author for correspondence, etc. given in the first page.
3. Title of the manuscript is prepared well with short headings not more than 50 characters.
4. Abstract length is not more than 150 words.

5. Key words, 4 to 6 are given in manuscript.
6. Highlights, 4 to 6 are given on separate page. Each highlight should contain fewer than 70 characters.
7. Manuscript is checked thoroughly for language corrections, including spelling and grammar, using simple and straightforward sentences, etc.
8. Graphics prepared neatly and saved at 300 dpi for pictures, maps, photographs and line arts at 600 dpi in TIFF, JPG or PNG formats.
9. Tables are prepared in word processor and editable.
10. Tables and figures are prepared in separate files.
11. Equations are prepared using editable word processor and cited in the text e.g. (equation (1)).
12. Names of three potential reviewers are selected, and the required information is gathered.
13. Author for correspondence is submitting the manuscript and own copyrights.
14. Captions of figures and tables are given on separate page.
15. Text, data, figures, photographs, etc. referred from published literature are quoted and cited properly wherever required.
16. All references are cited in the text and listed in the section of ‘references’.
17. Headings and subheadings are prepared according to guidelines.

## 12 MANUSCRIPT SUBMISSION

Well-prepared manuscripts can be submitted using the Manuscript Portal™ on the online platform of GATHA COGNITION™.

1. Register as author at [Manuscript Portal™](#).
2. Select your journal, **Remote Sensing of Land**.
3. Add author(s), check sequence and select author for correspondence.
4. Upload metadata of your manuscript.
5. Write and/or upload file of covering letter.
6. Submit first page separately.
7. Submit a letter answering the comments, questions, and issues raised in the reviewers’ and editorial assessments, if you are submitting a revised manuscript.
8. Submit original editable file(s) prepared in word processor.
9. Submit separate and original files prepared in TIFF, JPG or PNG formats for each figure.
10. Submit separate and original file prepared for each table in word processor.
11. Submit separate and original files prepared for captions of tables and figures in word processor.
12. Check the sequence and order of uploaded files as covering letter, title page, letter answering the comments and issues raised in reviewers’ and editorial assessments (if submitting revised manuscript), manuscript, figures, tables, captions of figures, captions of tables, etc.
13. Click on ‘View PDF’ to see the PDF of your manuscript, ready for submission.
14. Check the matter, review and click on ‘Submit Manuscript’.
15. The Editorial Office will upload the copyright form to your account, along with the composed copy of the accepted manuscript, for publication.

## 13 OPEN ACCESS PLUS

Authors, their research institutes, and funding agencies can make their articles permanently free of charge for readers by paying an Article Publishing Charge (APC). It is strictly the author’s choice and is not mandatory for publication.

### 13.1 Why Open Access?

1. Articles are freely available to readers without price barriers immediately after publication.
2. Published material can be re-used with proper citations.
3. Wide publicity for articles / book chapters and sole books.
4. Rigorous peer reviews for every manuscript published as open access.
5. Rapid online publication on the home page of GATHA COGNITION™.
6. High online visibility at [www.gathacognition.com](http://www.gathacognition.com)
7. Higher possibilities of citations in reputed journals, books, reports, theses, dissertations, etc.

8. It is a green publication.

### 13.2 Article Publishing Charges (APC)

The Article Publishing Charge (APC) to make an article open access in '**Remote Sensing of Land**' is \$550. Authors can use the link on the Manuscript Portal™ to pay the APC.

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'Open Access Overview' by Peter Suber <http://legacy.earlham.edu/~peters/fos/overview.htm>

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Akole (India)

June 2016