



Remote Sensing of Land

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AUTHOR GUIDE

1 ABOUT JOURNAL

Land is wider concept than the soil or terrain. It is reasonably stable or predictably cyclic bio-physical unit of the earth's surface comparing the physical environment including relief, soils, surface hydrology (shallow lake, 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 potential source for environmental services including biodiversity protection, atmospheric carbon control, nutrients cycles, atmospheric water and groundwater conservation, forestry and scenic beauty. Millions people across the globe are directly affected by land degradation in last 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 to make 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**' emphasizes on navigating the applications of Remote Sensing techniques in Sustainable Land Management through strong database, innovative techniques and methodologies, etc.

1.2 Topics

The journal, RSL covers following topics but 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 Subject 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 wide range of audience including Scientists, Engineers, Managers, Academicians, Students, etc. interested in geo-spatial analysis, mapping and monitoring the bio-physical aspects of the Earth Surface.

2 UNIQUE PUBLISHING POINTS (UPP)

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

3 CONSIDERATIONS

‘Remote Sensing of Land’ considers manuscripts on 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 is not containing abusive, defamatory, libelous, obscene, fraudulent, or illegal matters, words, statements, images, data, etc.

4 TYPE OF ARTICLES

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

- a) Original Research Paper
Original research paper reports the results of original research.
- b) Technical Paper
Technical paper gives complete description of specific application of technique in short (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 directly submitted through [Manuscript Portal™](#) or invited.
- d) Book Review
We invite precise review (1 or 2 pages or 500 words) of recently published relevant book(s).

5 GENERAL GUIDELINES

5.1 Documents and Order

Use MS Word to prepare the manuscript and submit original files through [Manuscript Portal™](#) to RSL. Save files as First Page, Main text, Table, Figure, Captions, etc. File of Main text may be named as Manuscript with initial of author e.g. Manuscript_vsb, Table as Table_1, Table_2, Figure as Figure_1, 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 regular font, ‘Times New Roman’, size 10pt for manuscripts. Avoid use of *Italics* however, it suggested for special words like vernaculars or regional languages.

5.4 Paragraph and Spacing

Paragraph should be formatted with **Single Line Spacing**, give 6pt before and after the paragraph(s) as well as heading(s).

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 “.....” 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 article. Please scan images at the resolution: 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 of they appeared in the text.
4. Figures must be captioned and all captions should be provided on separate page.
5. All axes on graph must be labeled and units (km², m, kg,.....) 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 summary of main findings of the article presented in graphical form i.e. image, graph, picture, map, formula, etc. It will be used to show main findings of the article, graphically in online version. Graphical abstract helps reader to 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 22nd June 2016.
 9. DOI (Digital Object Identifier)
 Articles with DOI are citable in manuscript submitted to RSL. Mention 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 and accepted for articles published in RSL.
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 Each figure should be in separate file.
3. Authorship
 a) Leading person in reported research and preparation of manuscript should be mentioned 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) Corresponding author must be authorized and agreed by all author(s) for all correspondence required for publication of the manuscript.
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Manuscript must be contented full name and contact information including detailed address, telephone numbers, emails, etc. of organization, research institute, etc. where authors are working and research undertaken. Please note that no change will be accepted after manuscript accepted for publication in RSL.
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- 6. Funding agencies
Author(s) should mention funding agencies and grant awarding bodies helped for research incorporated 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, page charges including color pages for RSL.

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11 CHECK LIST

Please refer 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 highlights content of less than 70 characters.
- 7. Manuscript is checked thoroughly for language corrections including spellings and grammar, used simple and straight forwarded sentences, etc.

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9. Tables are prepared in word processor and editable.
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11. Equations are prepared using editable word processor and cited in the text e.g. (equation (1)).
12. Name of three potential reviewers are selected and required information gathered.
13. Author for correspondence is submitting the manuscript and own copyrights.
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12 MANUSCRIPT SUBMISSION

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6. Submit first page separately.
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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.
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8. It is green publication.

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