



## Journal for New Generation Sciences

### Publication Policy

(Updated 1 October 2015 for implementation in 2016)

1. The *Journal for New Generation Sciences* (JNGS) publishes original research-based papers in the technological sciences. Technological science refers to the development of knowledge through application and goes beyond disciplinary borders and subject specific issues.
2. The JNGS has as aim the development of use-oriented research. Use-oriented research is a combination of applied research and use-inspired basic research. The objective is for business, industry, government as well as social communities (known as the “quadruple helix”) to benefit from the application of the research results.
3. Used-oriented research should be executed in the context of Gibbons’s Mode 2 Knowledge Production. This mode of knowledge production implies that knowledge production is produced in the context of application, is transdisciplinary in nature and is reflective of and responsive to societal needs.
4. The JNGS focuses on papers which reflect the scientific results of:
  - Science, Technology, Engineering, Mathematics and Arts (STEAM) and the management of STEAM research. (Arts cover humanities and social sciences.)
  - Applied research informed by problems and challenges as faced by industry, business, government and social communities.
  - Partnerships with industry, business, government and social communities (“quadruple helix”).
  - Knowledge creation in the context of Mode 2 Knowledge Production.
  - Scholarship in teaching and research.
  - Research projects leading to SET+A and Management qualifications.
  - Income generation through research.
  - Entrepreneurship through innovation.

5. Research outputs are defined as *evidence-based critical analysis, interpretation and reflection to solve problems and challenges as faced by business, industry, government and social communities*. This approach embodies the search for and the generation of new knowledge through scholarly work supported by partnerships with business, industry, government and social communities.
6. Although the research focus is on applied research, no applied research can be undertaken without an understanding of basic research. The JNGS follows the Frascati research classification of basic and applied research. The following terminology is applied to these definitions.
  - Basic research: Original investigation with the primary aim of developing more complete knowledge or understanding of the subject under study.
  - Applied research: Original investigation undertaken in order to acquire new knowledge and directed primarily towards specific practical aims or objectives.
7. All papers are peer reviewed by at least two experts. An editorial review also secures the quality and relevance of each paper.
8. The Editor reserves the right to make such alterations as he or she sees fit to accommodate the style and presentation of papers to the house style. Where any changes are necessary, the text may be returned to the author for correction and approval.
9. On a policy level, the JNGS supports the National Plan on Higher Education (NPHE, 2001) Outcome 13: *Research concentration and funding linked to research outputs* and the DHET Research Outputs Policy (2015).
10. The JNGS supports both the high-quality scholarly work of established researchers and capacity building amongst new researchers to build a responsive and responsible community of practice.
11. All papers will be subjected to review for possible copyright infringements (for example via tools such as Safe-assign and Turn-it-in) before submission for review.
12. On acceptance of a paper for publication, the corresponding author should confirm that the research results were not previously published in the public domain and that the author has approval to publish materials (including but not limited to, for example, images, tables, graphics and photographs). If the submission contains material for which the author does not hold copyright, it will be required to confirm in writing that permission has been obtained from the

copyright owner to use such material and that permission has been granted to the JNGS to publish such information. Any and all material owned by a third party must be clearly identified and acknowledged as such within the text or content of the submission.

13. Copyright is transferred to the Central University of Technology, Free State, on acceptance for publication.
14. An author grants the Central University of Technology, Free State, the non-exclusive right to reproduce, translate, and/or distribute his or her submission (including the abstract) worldwide in print and/or electronic format royalty-free.
15. Papers can be published in Institutional Repositories with proper reference to the JNGS. Only post-print (final draft of post-refereeing and accepted paper) or publisher's version/PDF format may be used for Institutional Repository purposes. This is based on the international standard set by SHERPA/RoMEO Archiving Policy (category blue).
16. The author of a published paper will receive a copy of the relevant issue of the JNGS.

**Ethical and integrity statement:**

The *Journal for New Generation Sciences* promotes open, reflective and responsible scientific discourse. The JNGS subscribes to the values of no harm to human subjects, animals and the environment, as well as care for human vulnerability and that the ideologies of racism, terrorism and sexism are not promoted. Authors can subscribe to any acknowledged scientific paradigm, conviction and personal life and worldview subject to the responsible application thereof to the research and if the paradigm, conviction and life and worldview do not contradict and/or violate the Constitution of the Republic of South Africa and/or the Universal Declaration of Human Rights.

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## **GUIDELINES FOR THE SUBMISSION AND PUBLICATION OF PAPERS**

1. Papers are published in English. The preferred length is between 5000-5500 words, excluding the reference list, figures, graphs and images. All papers should be accompanied by a 150-200 word abstract in English.
2. All papers should have three to five keywords. This should be part of the abstract of the paper.
3. Papers should be properly edited, stylistically polished and carefully proofread.
4. Source references in the text should be in the abridged Harvard referencing style.
5. All footnotes should be regarded as footnotes.
6. Abbreviations and acronyms should be written out the first time that they are used.
7. Italics should not be overused for emphasis. Latin phrases such as *per se* must be italicised. Words in languages other than that of the manuscript should be given in quotation marks.
8. Authors may suggest the names of three to five potential reviewers (with a short motivation as to why a particular reviewer is nominated and an indication of any possible conflict of interest should that particular reviewer be used).
9. Refereeing is always anonymous. All papers will be peer reviewed by two referees and the editorial team.
10. Page fees of ZAR 500.00 per page will be charged on the publication of the paper.
11. On submission of a paper, each paper must be accompanied by the following information:
  - i. Title of paper
  - ii. Corresponding author

- ii. Full details of author(s)
- v. Ethical approval of research project (for clinical and animal research)
- v. Ethical clearance by authors' home research committee if human subjects are involved in the research
- /i. Research problem/focus of the paper (maximum: 100 words)
- ii. What new knowledge is created: List three major findings (maximum: 100 words per finding)
- ii. Indication how the paper meets the scope of the JNGS (maximum: 100 words).
- x. Indication of each author's percentage of participation in writing the paper.

Note: The purpose of this submission is to act as self-assessment by the author(s) and to involve the author(s) in the quality assurance of a paper.

**Address for submissions:**

An MS Word document not exceeding 1MB can be submitted to the **Editor of the Journal for New Generation Sciences, Prof. LOK Lategan, Office for Research and Innovation, Central University of Technology, Free State, Private Bag X20539, Bloemfontein, 9300.** Tel: 051 507 3279. Fax: 051 507 3275. (E-mail: [llategan@cut.ac.za](mailto:llategan@cut.ac.za)).

## GUIDELINES FOR REFEREES OF PAPERS

**Title of the paper:**

**Name of reviewer:**

(The review report issued to the author will not contain or disclose the identity of the reviewer.)

Confirmation by reviewer that there is no conflict of interest with the research and/or publication of the research.

Please provide your comments in respect of the following questions:

1. Does the title reflect the contents of the paper? Yes/No

Motivate:

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2. Do you deem the paper to be proof of thorough research and knowledge of the most recent debates and literature in this field of study? Yes/No

Motivate:

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3. Does the paper reflect a high scientific standard of reasoning? Yes/No

Motivate:

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4. Does the paper contribute to the application of research results? Yes/No

Motivate:

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5. Does this paper reflect the aim and objectives of the JNGS? Yes/No

Motivate:

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6. **CHECKLIST TO RATE THE MANUSCRIPT**

The enclosed checklist can be used by the reviewer to assist with the recommendation to the JNGS:

CRITERIA	LOW						HIGH			
	1	2	3	4	5	6	7	8	9	10
To what extent has the research problem been clearly formulated?										
To what extent is the theoretical framework within which the research has been described appropriate?										
To what extent has relevant and existing theory reflected in general and specialist literature been integrated into the research?										
To what extent are data collection methods appropriate for the research programme/ hypothesis?										
To what extent is the argument in the article clear, logical and analytical?										
To what extent does the article contribute to new knowledge in the subject?										
To what extent is the research report original?										
To what extent is new knowledge/ interpretation produced on the basis of user-friendly research?										
To what extent is the research useful to the world of work?										

7. What is the desirability of this paper being published in the **JNGS. Please provide comments on your recommendations:**

7.1 Without alterations: Yes/No  
Motivation: .....

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7.2 With the following alterations:  
Motivation:

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.....

7.3. Preferably not:  
Motivation:

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8. Recommendation(s) to the author(s) how the paper can be improved.

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9. Can your comments in this form be communicated to the author(s)? Yes/No

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**Please send your report to the Editor: Journal for New Generation Sciences,  
Private Bag X20539, Bloemfontein, 9300. E-mail: [llategan@cut.ac.za](mailto:llategan@cut.ac.za).  
Tel: 051 507 3279. Fax: 051 507 3275.**