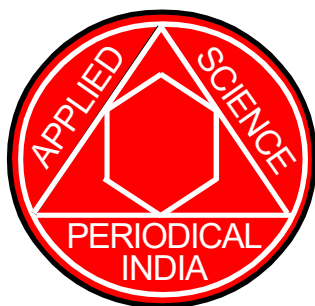


ISSN 0972-5504

VOLUME -XXVIII, No. 1, FEBRUARY 2026

**APPLIED
SCIENCE
PERIODICAL**
Since 1999



**A Refereed and Peer-Reviewed
Quarterly Periodical Devoted To
Mathematical and Natural Sciences**


Founded by: Late Prasad, J.B.,
M.Sc., D.Ed., D.R.M.(NIE), National Awardee-1994,
L.N. Mishra Memorial Awardee -1996, Rotary International Awardee-2001.

Editor: Kumar Pankaj

Public Relation Officer: Kumar Pratik

ADVISORY BOARD

1. *Prof. H.M. Srivastava,* Professor Emeritus, Department of Mathematics and Statistics, University of Victoria, Victoria, Canada.
2. *Prof. Arjun Tan,* Professor Emeritus, Alabama A & M University, Normal, AL 35762, U.S.A.
3. *Prof. Hee Seok Nam,* Department of Applied Mathematics, Kettering University, Rochester, Michigan.
4. *Prof. M.P. Chaudhary,* Albert Einstein Chair Professor of Mathematical Sciences, International Scientific Research and Welfare Organization, New Delhi, India.
5. *Dr. N. Ethirajalu,* President and Ex-Vice Chancellor, PRIST Deemed To Be University, Vallam, Thanjavur - 613403, India.
6. *Prof. Sanjay Kumar Choudhary,* Vice Chancellor, Lalit Narayan Mithila University, Darbhanga - 846008, India.

 Applied Science Periodical having ISSN 0972-5504 is a Refereed and Peer-Reviewed quarterly periodical devoted to Mathematical and Natural Sciences has been publishing in India since 1999. It means that before being accepted for publication, the articles have been reviewed for their quality by recognized academicians or experts in the field concerned. It enjoys a unique position in the country as an independent journal and will be serving the academic world for a long time. Currently, a large number of Professors, Research Scholars, College and University Libraries in the country and abroad are the subscribers of this esteemed Journal. Some of our journals are sent to Educational Institutions free of cost. The journal has an impact factor of 9.0.

Issues: February, May, August & November (Quarterly).

Publication Language: English

Publication Nature: Print & Online with DOI (Digital Object Identifier)

International Impact Factor (IIFS): 9.0

ADDRESS FOR CORRESPONDENCE

APPLIED SCIENCE PERIODICAL

NIRALA NAGAR, P.O. SIWAN-841226 (BIHAR) INDIA

E-mail: aspsiwan_1999@yahoo.co.in

 +91-9430205349

Journal Website: <http://www.internationaljournalsiwan.com>

INFORMATION FOR CONTRIBUTORS

1. Applied Science Periodical is a **Refereed** and **Peer-Reviewed** journal as a guideline for research scholars and university professors who are guiding and doing research work in the field and enhanced the knowledge and innovative ideas of the concerned research scholars and supervisors of the concern streams.
2. Applied Science Periodical has been **Indexed, Online Database and Reviewed by-** Indian Citation Index (ICI), New Delhi; Zentralblatt MATH (Germany); Mathematical Reviews (U.S.A.); Google Scholar Citation; INFLIBNET Centre (Gujarat); ORCID (Open Researcher and Contributor ID) & Open AIRE.
3. The Editor will be pleased to receive Research Paper from all parts of India and abroad in any area as mentioned on title cover.
4. The language of the paper should be English only.
5. Manuscripts sent for publication should be preferably typed Microsoft Word and PDF (both) files via e-mail aspsivan_1999@yahoo.co.in
6. All mathematical scientific symbols name should be typed in the margin of paper to avoid ambiguities.
7. The contributors are expected to supply neat and clean design or diagram.
8. The facts and views in the research article will be of the contributors and they will be totally responsible for authenticity, validity and originality, etc. Contributors should assurance that the paper has not been sent elsewhere for publication and manuscripts are their original work.
9. After receipt of research paper of all the contributors, your research paper will be sent to expert and expert should approve the paper. Their decision regarding acceptance will be final and binding.
10. The manuscripts should be strictly in accordance with prescribed format of the journal. They will not be returned in any case whether accepted or rejected. Manuscripts and all other Correspondence should be addressed to *Editor, Applied Science Periodical, Nirala Nagar, P.O. Siwan-841226 (Bihar) India*. Acceptance Communication will be sent to contributors in due course of time.
11. The contributors shall have to bear the online publication fee.
12. No extra fee to DOI (Digital Object Identifier).
13. **Area of Publication of Papers:**
 - (a) **Mathematical Sciences** : Statistics, Probability Theory, Operational Research, Computer Science and Mathematical Physics, Chemistry, Biology, Agriculture.
 - (b) **Natural Sciences** : Applied Physics, Chemistry, Biology, Geography, Geology and Agriculture.
 - (c) Biomedical Sciences, Information and Transportation theory, Fuzzy Applied Mathematics and Numerical Analysis.
14. Manuscript sent for publication to this journal should take at least 15 days to give shape for publication after going/passing through different formalities of publication.
15. All correspondence should be by E-mail.
16. Please communicate to us your change of email id/address soon for proper delivery of your materials.
17. All disputes are subject to competent courts and forums in Siwan (Bihar) India only.

INFORMATION FOR SUBSCRIBERS

1. Applied Science Periodical has been indexed and online database in INFLIBNET Centre (INDCAT), Gandhinagar (Gujarat), India.
2. Subscription (e-journal) is always payable in advance by **Wire transfer / Cross Multicity Cheque / Demand Draft (D.D.)** in favour of **Applied Science Periodical** payable at **SIWAN (Dist. Siwan) (Bihar) India** only.

Subscription Rate (E-journal) [w.e.f. 01-01-2024]:

One Year

India (Institution/Library)	: Rs. 1,015=00
Individual (by name)	: Rs. 515=00
Foreign (All Countries)	: \$215US

3. Complaint for non-receipt of the e-journal link must be made to P.R.O. after two months of the publication of the particular issue.
4. Please quote your subscription number in all your correspondence and your change of e-mail id/address should be immediately intimated to P.R.O.
5. Issues : February, May, August & November.
6. All disputes are subject to competent courts and forums in Siwan (Bihar) India only.
7. **Members of the Editorial Board :**

We shall be thankful to interested scholars who feel desirous of being enrolled as Members of the Editorial Board in Applied Science Periodical. They are requested to send their willingness along with Curriculum Vitae as early as possible to enable us to publish their names in the coming issue of the "Applied Science Periodical".

**PUBLISHER, PRINTER & EDITOR - KUMAR PANKAJ,
NIRALA NAGAR, SIWAN-841226 (BIHAR) INDIA**

**PRINTED AT SIWAN PRINTERS, NIRALA NAGAR, SIWAN-841226
(BIHAR) INDIA**

 : +91-9430205349

E-mail: aspsivan_1999@yahoo.co.in

ORCID Link: <https://orcid.org/0009-0008-5249-8441>

Journal Website: <https://internationaljournalsiwan.com/applied-science.php>

International Impact Factor: (9.0): <https://impactfactorservice.com/home/journal/2296>

Google Scholar Link: <https://scholar.google.com/citations?user=BRweiDcAAAAJ&hl=en>

