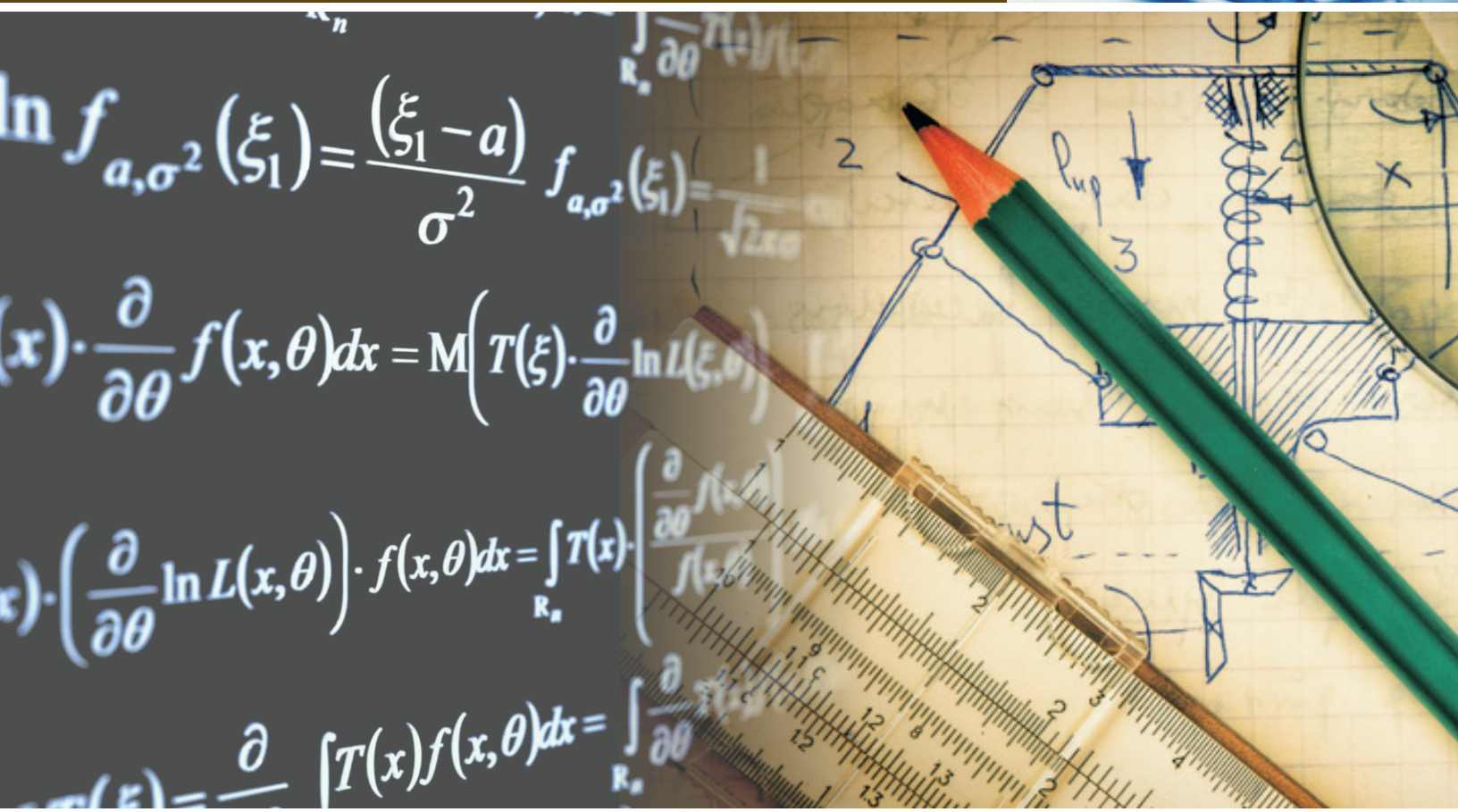


SRMS Journal of *Mathematical Sciences*



Published by
Department of Mathematics
Shri Ram Murti Smarak College of Engineering & Technology
Bareilly - 243202 (U.P) INDIA

SRMS Journal of Mathematical Sciences is a refereed annual journal published by Department of Mathematics, Shri Ram Murti Smarak College of Engg. & Tech. Bareilly (U.P.), India. Its objective is to disseminate knowledge and encourage a cooperative and collaborative academic environment. The journal publishes original research papers and survey articles in Mathematical Sciences and its Applications.

Chief Patron

Shri Dev Murti
Chairman, SRMS Trust
(Bareilly & Lucknow)

Patron

Shri Aditya Murti
Secretary, SRMS Trust
(Bareilly & Lucknow)

Advisory Board

Prof. H.S. Dhama
Vice Chancellor
(Kumaun University, Nainital)

Prof. P. N. Pandey
(University of Allahabad, Allahabad)

Prof. D. Bahuguna
IIT, Kanpur

Prof. Khalil. Ahmad
(Jamia Millia Islamia, New Delhi)

Prof. Taekyun Kim
(Kwangwoon University, Seoul, South Korea)

Prof. Vijay Gupta
(NSIT, New Delhi)

Disclaimer Statement

The articles, which are published, in Journal of Mathematical Sciences reflects the personal opinions and view of the author(s) and it do not reflects the view of Journal of Mathematical Sciences or the publishing institute itself. The articles are published with the understanding that it is the original unpublished work of the author(s) and it does not contravene with copyright in any form.

All cares are taken to remove any type of errors however the editorial board will not be responsible for any type of printing errors.

SUBSCRIPTION

The annual domestic subscription and publication charges for Journal is Rs. 500/- For outside India charges are 50 USD. Library & Institution Charges 1000/-. For Subscription request & publication charges should be sent by Demand Draft drawn in favour of "SRMSCET" payable at Bareilly.



Department of Mathematics, Shri Ram Murti Smarak College of Engg. & Tech, Bareilly (U.P.), India.

AUTHOR GUIDELINES

1. Papers must be in English, written in a concise manner.
2. Submission of a paper implies that it contains original work that has not previously been published and that has not been submitted for publication elsewhere.
3. Authors are required to disclose papers published or under review in other journals that are based on similar methods or data. Please cite and explain how the current paper differs from these similar papers.
4. An author wishing to submit a paper to the JMS should send in both MS-Word and PDF format by email to **srmsjms@srmscet.edu**. All correspondence, including notification of the Editor's decision and requests for revision, takes place electronically.
5. Along with the manuscript, authors need to submit a list of names,, academic affiliation physical address and current email address of at least two potential reviewers.
6. The paper must not exceed 15 pages, including the references and annexes.
7. The paper must be in documented in MS Word, A4 size, margins top/ bottom 2.54 cm left/right 2.54 cm, Font Times New Roman 12, Lines spacing single. The manuscript should contain matter in the following order:
 - (i) The title (ii) The name (s) and complete affiliation (s) [including e-mail address (es)] of the author(s); (iii) An abstract of not more than 100 words; (iv) A maximum of 5 keywords;
 - (v) Classification code according to the AMS/Mathematics Subject Classification (2010)
 - (vi) Text matter
 - (vii) References

USE THE FOLLOWING FORMAT :

For articles : Yaacob, Y. Analysis of a Dengue Disease Transmission Model Without Immunity, MATEMATIKA. 23(2): 75–81, 2008.

For books: Podlubny, I., Fractional Differential Equations: An Introduction To Fractional Derivatives, Fractional Differential Equations, To Methods Of Their Solution and some of their Applications, New York: Academic Press; 1999.

8. Figures should be high resolution with descriptive headings respectively.

Contact Address :

Editor-In-Chief

Prof. Prabhakar Gupta

Shri Ram Murti Smarak College of Engineering & Technology,

Ram Murti Puram, 13km. Bareilly-Nainital Road, Bareilly (U.P.), India

Ph: 91-581-2582331, 2582246,249, Mob. No. +91-9458702593

Website: www.srmscet.edu , Email: srmsjms@srmscet.edu



SRMS College of Engineering & Technology, Bareilly

Shri Ram Murti Smarak College of Engineering & Technology Bareilly campus is offering AICTE approved M.Tech, MBA, MCA and B.Tech (Computer Science & Engineering, Electronics & Communication Engineering, Information Technology, Electrical & Electronics and Mechanical Engineering). SRMS College of Engineering & Technology (Pharmacy) is offering M.Pharm & B. Pharm Courses. The college is affiliated to U.P. Technical University, Lucknow.



E-mail : srmset@srmscet.edu • Website : www.srmset.edu



SRMS Women's College of Engineering & Technology, Bareilly

Shri Ram Murti Smarak Women's College of Engineering & Technology is offering AICTE approved MBA & B.Tech Course in Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering & Information Technology. It is affiliated to U.P. Technical University, Lucknow.



E-mail : info@srmswct.ac.in • Website : www.srmswct.ac.in



SRMS Institute of Medical Sciences, Bareilly

- HOSPITAL** : Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly is a 950 beds multi super speciality tertiary & trauma care hospital.
- MEDICAL COLLEGE** : Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly is offering MBBS & MD, MS Course approved by Medical Council of India, New Delhi since academic session 2005-2006. It is affiliated to MJP Rohilkhand University, Bareilly.
- SRMS SCHOOL OF NURSING** : Offering diploma in General Nursing & Midwifery (GNM)
- R.R. CANCER INSTITUTE & RESEARCH CENTER**
- SRMS PARAMEDICAL COLLEGE**



E-mail : info@srmsims.ac.in • Website : www.srmsims.ac.in



SRMS SCHOOL OF NURSING



R.R. CANCER INSTITUTE & RESEARCH CENTER



SRMS College of Engineering & Technology, Unnao

Shri Ram Murti Smarak College of Engineering & Technology Unnao campus is offering AICTE approved B.Tech Course in Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics Engineering. It is affiliated to U.P. Technical University, Lucknow.



E-mail : info@srmscet-lkr.ac.in • Website : www.srmset-lkr.ac.in



SRMS International Business School, Unnao

Shri Ram Murti Smarak International Business School is a world class management school in Lucknow region offering AICTE approved PGDM course. It has distinctive faculty, global curriculum and world class infrastructure.



E-mail : info@ibs.srms.ac.in • Website : www.ibs.srms.ac.in

SRMS TRUST

N-3, Rampur Garden, Bareilly (U.P.), India | UGF-5, Krishna Complex, Chandganj Garden Road, Lucknow, (U.P.), India
Phone : 0581-2582246, 701, 031 | Phone : 05143-278414, 278404

Editorial Board

Chief Editor:

Prof. Prabhakar Gupta

Executive Editor:

1. Dr. Kamendra Kumar
2. Dr. Anju Khandelwal

Technical and Managing Editor:

1. Dr. Mani Agarwal
2. Dr. Suneet Saxena
3. Dr. Sanjay Kumar

Editorial Members:

1. Prof. Mashhoor Al-Refai (Princess Sumaya University of Technology, Jordan)
2. Prof Mircea Ivan (Technical University of Cluj-Napoca, Romania)
3. Prof. S. B. Singh (Panthenagar University, India)
4. Prof. J. Prakash (University of Botswana, Botswana)
5. Prof. A. K. Mishra (Banaras Hindu University, India)
6. Prof. Rajendra G. Vyas (M.S. University of Baroda, India)
7. Dr. Pradeep K. Gupta (University of Pretoria, South Africa)
8. Dr. Rakesh Kumar (Hindu College Moradabad, India)
9. Dr. Harendra Kumar (Gurukula Kangari University, Haridwar)

Editorial Assistants:

1. Mr. Akhil Kumar
2. Mr. Bharat Bhushan