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**Dr. M. Clement Joe Anand**  
Assistant Professor, Mount Carmel College (A), Affiliated to Bengaluru City University, Bengaluru, Karnataka, India.  
**Dr. R.G. Padmanabhan**  
Managing Director, DJ Academe – Deccan International Academic Publisher, Kumbakonam, Tamilnadu

## Keynote speakers

### Day-I Date: 18.03.2024

@ Sri Vidya Mandir Arts & Science College (Autonomous)  
Vignesh Nagar, Katteri – 636 902, Uthangarai, Krishnagiri (Dt), Tamilnadu, India



**Dr. Sanjeev Anand Sahu**  
Associate Professor, Department of Mathematics & Computing  
Indian Institute of Technology (ISM), Dhanbad, Jharkhand, India  
**Title: Differential equations: A gateway to research in Applied Mathematics**



**Dr. M. Clement Joe Anand**  
Assistant Professor, Department of Mathematics  
Mount Carmel College (A)  
Affiliated to Bengaluru City University, Bengaluru Karnataka, India.  
**Title: Mathematical Modelling and Transformation**



**Dr. Prakash R**  
Associate Professor,  
Department of Mathematics  
RV College of Engineering, Mysore Road, Bengaluru, Karnataka  
**Title: Mathematics for Science and Engineering Applications**



**Dr. Shanta Laishram**  
Professor of Mathematics,  
Theoretical statistics & Mathematics Unit Indian statistical  
institute, New Delhi, India.  
**Title: Number Theory and Cryptography, the science of secure communications**

### Day-II Date: 19.03.2024

@ Nirmala College for Women (Autonomous),  
Red Fields, Coimbatore, Tamilnadu



**Fathalla A. Rihan**  
Associate Professor, Department of Mathematical Sciences,  
College of Science, United Arab Emirates  
**Title: Quality Delay Differential Equations and Applications To Immunology**



**Dr. Muhammad Imran Asjad**  
Associate Professor, Department of Mathematics,  
University of Management and Technology, Lahore, Pakistan,  
**Title: Fractional modelling of transport phenomena with generalized laws.**



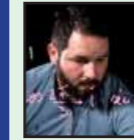
**Dr. G. Muhiuddin**  
Associate Professor, Department of Mathematics  
University of Tabuk, Tabuk, Saudi Arabia  
**Title: Application of Fuzzy Set Theory in the Study of Algebraic Structure**



**Dr. P. Karthikeyan**  
Associate Professor, Department of Management Studies,  
Kongu Engineering College, Perundurai, Erode, Tamilnadu, India  
**Title: Artificial Intelligence in Higher Education**

### Day-III Date: 20.03.2024

@ RV College of Engineering (Autonomous)  
Mysore Road, Bengaluru, Karnataka, India



**Dr. Ovidiu Bagdasar**  
Associate Professor in Mathematics,  
School of Computing and Engineering  
University of Derby, UK  
**Title: Dynamic Geometry classical results and recent advances**



**Dr. Deepjyoti Goswami**  
Assistant Professor, Department of Mathematical Sciences,  
Tezpur University, Napaam, Tezpur. Dist. Sonitpur, Assam, India  
**Title: Optimal error estimate of a two-grid DG approximation for time-dependent incompressible Navier-Stokes equations**



**Dr. Kavi Kumar Jacob**  
Associate Professor,  
Faculty of Applied Science and Technology,  
Universiti Tun Hussein Onn Malaysia,  
**Title: Deep Learning Approach for Actuarial Mathematics**



**Dr. Muhammad Bilal Riaz**  
Senior Researcher, Advanced Data Analysis and Simulations Lab,  
VSB - Technical University of Ostrava, Czech Republic  
**Title: Introduction to Fractional Calculus and its applications to the problems related to memory effects**

# INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING AND INTELLIGENT SYSTEMS

Date: 18<sup>th</sup> - 20<sup>th</sup> March, 2024



Organized by  
**Department of Mathematics, Computer Science & Applications**  
**SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE (AUTONOMOUS)**  
Vignesh Nagar, Katteri – 636 902, Uthangarai, Krishnagiri (Dt), Tamilnadu, India



In association with  
**GERIZIM ACADEMY OF RESEARCH AND DEVELOPMENT, BENGALURU**  
**DJ ACADEMY – DECCAN INTERNATIONAL ACADEMIC PUBLISHER, KUMBakonam**

In collaboration with



**NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)**  
COIMBATORE, TAMIL NADU



**SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**  
PERIYANAICKENPALAYAM, COIMBATORE, TAMIL NADU



**RV COLLEGE OF ENGINEERING (AUTONOMOUS)**  
INSTITUTION AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BENGALURU, KARNATAKA



**VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS),**  
THINDAL ERODE, TAMIL NADU



**SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE (AUTONOMOUS)**  
KATTERI – 636 902, UTHANGARAI, KRISHNAGIRI (DT)



**SACRED HEART COLLEGE (AUTONOMOUS),**  
TIRUPATTUR, TAMILNADU



## About the conference

The conference focuses on the research areas of pure Mathematics, Applied Mathematics and Computational Science, Computer Science and Applications in Multi-disciplinary areas, such as Physics, Chemistry, Biology, Medical, Geology, Zoology, Economics, Commerce, Business, Engineering and Technology. It aims to provide a platform for experts and scholars, engineers and technology R&D personnel engaged in relevant research to share scientific research results. Understand the academic development trends, broaden research ideas, strengthen academic research and promote industrial cooperation of academic achievements.

## About the collaboration and association

This conference is collaborated with the highly reputed institutions, Nirmala College for Women (Autonomous) Coimbatore, Tamil Nadu, Sri Ramakrishna Mission Vidyalaya College of Arts & Science (Autonomous) Coimbatore, RV College of Engineering, Autonomous Institution affiliated to Visvesvaraya Technological University, Bengaluru, Velalar College of Engineering and Technology (Autonomous), Thindal Erode, Tamil Nadu, Gerizim Academy of Research and Development, Bengaluru, DJ Academy – Deccan International Academic Publisher, Kumbakonam and also tie-up with the highly reputed publisher in different stream. The papers will be published as per the participants requirement and the quality of the paper.

## Call for the papers

- Linear algebra
- Matrix theory
- Vector analysis
- Complex analysis
- Differential equation
- Laplace transform
- Fourier analysis
- Numerical Analysis
- Probability theory
- Mathematical Statistics
- Combinatorial Mathematics
- Measure theory
- Information theory
- Fuzzy mathematics
- Mathematical logic
- Algorithmic graph theory
- Fuzzy graph theory
- Complex integral equations
- Neutrosophic Sets and Applications
- Plithogenic Sets and Applications
- Deep Learning
- Computational geometry
- Computing technology
- Mathematical modeling
- Analytic number theory
- Algebraic number theory
- Nonlinear analysis
- Modular and representation theory
- Algebraic topology
- The mutation theory
- Lie group and lie algebra
- Functional analysis
- Differential geometry
- Research Trends & Emerging Technologies
- Discrete Mathematics
- Ordinary differential equation
- Partial differential equation
- Fields and Galois theory
- High-Performance Computing Science
- Artificial Intelligence
- Machine Learning
- Data Analytics
- Natural Language Processing

## Registration Details

Last date for submission of Abstract : 15<sup>th</sup> March 2024

Last date for registration : 18<sup>th</sup> March 2024

Last date for submission of full paper : 20<sup>th</sup> March 2024

## Registration Fee

Any one of the authors must be register for the conference

Category	National (India) INR	International (other than India) - USD
Industry	3500/-	\$40
Academician and R&D department	3225/-	\$38
Ph.D. research scholar	1500/-	\$20
PG Students	1000/-	\$15
UG Students	750/-	\$10
Participant	500/-	\$8

## Submission of the Abstract's and Registration Details

Step 1 : The authors invited to submit the abstract with the prescribed format to the registration link:

<https://forms.gle/SxA4F7u1kXeDAthNA>

## Paper Format

Paper should not exceed 8 (eight) A4 Size sheets

Font: Times New Roman

Margins: Left = 1.5 Inch Right, Top & Bottom = 1.0 Inch

Abstract: 11 Point Italic with single line spacing to be placed after title and

other details. Key words: should not exceed 6 (six words)

Text: 12 Point normal justified Para heading: 12 Point Bold Sentence Case Spacing = 1.5 lines Figures to be inserted in jpg Format.

At least one of the authors is required to register and attend the conference for presenting the paper.

Maximum number of authors is 4 (Four) .

E-mail ID of the corresponding author should be given.

Step 2 : You will be receiving the acceptance/rejection email in three working days after submission of abstract.

Step3 : You are invited to register according to the applicable fee, which is mentioned in the above table.

Step 4 : Submit the payment challan along with the required details in the registration form

<https://forms.gle/SxA4F7u1kXeDAthNA>

Step 5 : Any one of the authors must register for the presentation, if any of the author presenting two or more papers, each paper will be considered as a fresh registration.

Step 6 : Maximum two authors can present one paper, in this case additional charges is applicable for the second author for the presentation, kindly contact the conference team for the additional fee.

Step 7 : The conference will be conducted in three different venues for all the three days

**Day 1: 18th March 2024 - Sri Vidhya Mandir Arts & Science College (Autonomous), Krishnagiri**

**Day 2: 19th March 2024 - Nirmala College for Women (Autonomous), Coimbatore, Tamil Nadu**

**Day 3: 20th March 2024 - RV College of Engineering (Autonomous), Bengaluru, Karnataka**

Step 8 : Based on the convenience of the participants, they can choose the venue for the Physical Presentation.

## Paper Presentation for three days:

Sri Ramakrishna Mission Vidyalaya College of Arts & Science (Autonomous), Coimbatore, Tamilnadu

Velalar College of Engineering and Technology (Autonomous), Thindal, Erode, Tamilnadu

Sacred Heart College, Tirupattur, Tamilnadu

## Submission of the full paper and Publication details

All the accepted, registered, successfully presented paper (less than 10% plagiarism, Turnitin) will be considered for the paper publications. Upon first round of peer reviewed, your paper will be considered for the Scopus, SCI with and peer reviewed journal & book series with additional nominal fee. The publication fee may vary for each journal. You are informed to contact Dr. Ragavan for publications related details.

**Note:** Strictly to follow the international conference guidelines and publication ethics. Misconduct of publications ethics of the journal, book series and conference norm will lead to legal action against to the corresponding author and co authors of the respective paper.

## List of journals for free publication

- International Journal of Advanced Fuzzy Sets and Systems
- International Journal of Advanced Graph Theory Systems
- International Journal of Advanced Mathematics and Computer Science Systems
- International Journal of Advanced Commerce, Business and Management Systems
- International Journal of Advanced Engineering and Technology Systems.

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