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### Conveners

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Head, Department of Mathematics

**Dr. Mrs. J. N. Christy (9890045387)**  
Associate Prof., Department of Physics

**Dr. Mamta Baheti (8308339391)**  
Head, Department of Computer Science

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Asst. Prof., Department of Physics



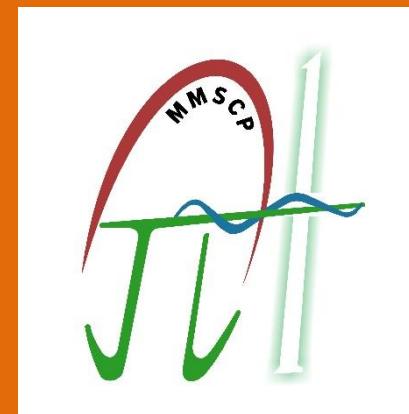
Two Days Inter-Disciplinary National Conference on



“Recent Trends in Mathematical Modeling,  
Simulation Methods, Computations, and Physical Sciences”

(MMSCP-2021)

8<sup>th</sup>-9<sup>th</sup> September 2021



Jointly Organized by  
Department of Mathematics  
Department of Computer Science  
And Department of Physics & Electronics

HISLOP COLLEGE, NAGPUR

[www.hislopcollege.ac.in](http://www.hislopcollege.ac.in)

Awarded with Heritage Status and  
NAAC Re-accredited with 3.31 CGPA

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**Dr. P.E.P. Micheal**

## Invitation

It gives us immense pleasure to cordially invite you to participate in the Two days Inter-disciplinary national conference on **“Recent Trends in Mathematical Modeling, Simulation Methods, Computations, and Physical Sciences” (MMSCP-2021)** organized by Department of Physics & Electronics, Mathematics and Computer Science, Hislop College, Nagpur on 8<sup>th</sup> -9<sup>th</sup> September 2021

## Aims and objectives

This conference intends to provide a common platform for scientists, academicians, industrialist and researchers about recent developments and advancements in the basic sciences. Our approach is to find out the possibilities of methods and tools applicable to characterize the real time problems to understand their properties and behavior, through the discussions which will be held in this conference based on mathematical modeling, simulations and computations and physical sciences. Indeed, there is a need to conduct groundbreaking research on a number of fundamental and applied scientific approaches using breakthroughs in physics, computer-science, and mathematics in novel ways.

As new methods of building of manufacturing products are developed, mathematical formulas and Physical models may be applied to test the structure, characterization and functional soundness of the design. Computer aided analysis and design is becoming increasingly important in this type of use. This conference will provide an opportunity in exchange ideas and identify the priority areas of future research in advancements of technology to uplift the society and industry.

## About the Institution

**Hislop College, Nagpur** is not just an institution but a byword for excellence, a synonym for quality, and a signature of the best in higher education. The College is established by a Scottish missionary Rev. Stephen Hislop in 1883, is now backed by the liberal and proactive management Hislop Education Society under the aegis of the Church of North India Synod. It was the first institution to provide higher education in Vidarbha region and even predates the establishment of RTM Nagpur University. In 2016, the College was reaccredited with A-grade 3.31 CGPA by NAAC and also granted as Heritage status by UGC. Hislop College caters to all the three streams with 12 post graduate departments and 10 recognized centers of research. Department of Physics, Mathematics and Computer Science are the blend of quality faculties and vibrant students, providing the undergraduate program and striving hard to impart the quality education under the 138 years old proficient management.

## Call for Papers

Authors/presenters are requested to submit full length manuscript of the research papers typed in MS Word Times new roman, font size 12pt, not more than four A4 size pages, allowed with <15% of plagiarism at email address [mmscp.papers@gmail.com](mailto:mmscp.papers@gmail.com)

## Bank Details

**Name of Account: MMSCP-2021**

**Account Number: 030201000016200**

**IFSC Code: IOBA0000302**

**MICR Code: 440020002**

## Topics:

Fuzzy Logic	Pattern Recognition
Medical Imaging	Soft Computing
Computational Modeling of Materials	Theoretical Approach of Nano Materials
Emergent Materials and Devices	Hadronic Materials
Bio Mathematics	Bioinformatics
Cryptography	Complex Analysis
Artificial Neural Network	Mathematical Modeling by Simulation
Approximation Theory	Financial Mathematics
Information Theory	Expert System
Decision Support System	Stochastic Process
Modeling and Applications to Environment	Atmospheric Modeling
e-waste recycling	Embedded Systems
Number Theory	Ancient Indian Mathematics

**Please do not restrict to above topics.....**

All the accepted papers will be published in peer reviewed Journal **“International Journal of Scientific Research in Science, Engineering and Technology”** having **Online ISSN: 2394-4099** and some selected papers will be published in UGC Care Listed Journal as per their guidelines.

Prepare the PowerPoint Presentation of 5 minutes in **mp4 file format** and upload on the link provided **after acceptance of paper.**

## Important Dates

Submission of Abstract and Full Paper: 01/09/2021

Acceptance or Rejection: 05/09/2021

Last Date of Registration: 05/09/2021

## Registration Fees:

- **Participation (Free)**
- **Paper Presentation and Publication in Peer Reviewed Journal (Academician/Research Scholar/PG Student): Rs. 500/- (Each paper per author)**
- **Paper Presentation and Paper Publication in UGC Care List Journal (Charges Extra as per Journal guidelines)**
- **Paper Presentation (UG Students): Rs. 100/- (Each paper per author)**

**Registration for Conference:**

<https://forms.gle/JunqwCLQWvAZeWna7>