

## KEYNOTE SPEAKERS

**Dr. K. Balachandran**

Bharathiar University, Coimbatore  
India

**Dr. Raju K. George**

Indian Institute of Space Science and  
Technology, Thiruvananthapuram,  
India

**Dr. Naseer-eddine Tatar**

King Fahd University of Petroleum and  
Minerals, Dhahran,  
Saudi Arabia

**Dr. Mohd Shakir Md Saat**

Universiti Teknikal Malaysia Melaka,  
Malaysia

**Dr. Phan Thanh Nam**

Quynhon University, Binh Dinh,  
Vietnam

**Dr. R. Sakthivel**

Bharathiar University, Coimbatore  
India

**Dr. S. Marshal Anthoni**

Anna University Regional Campus,  
Coimbatore,  
India

**Dr. Mani Mehra**

Indian Institute of Technology Delhi,  
India

**Mr. Uvaraj Natarajan BE., MS**

Senior Application Engineer  
MathWorks India Private Limited  
Bangalore, India

## CHIEF PATRON

**Dr. Vaidehi Vijayakumar**

Vice-Chancellor,  
Mother Teresa Women's University

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**Dr. C. Hilda Devi**

Registrar (i/c),  
Mother Teresa Women's University

## CONVENER

**Dr. K. Bhuvanewari**

Associate Professor and Head,  
Department of Mathematics

## ORGANIZING SECRETARY

**Dr. S. Vimala**

Assistant Professor  
Department of Mathematics

## ORGANIZING COMMITTEE

**Dr. M. Maruthai,**

Honorary Professor,  
Bharathidasan University, Trichirappalli.

**Dr. G. Thangaraj**

Professor and Head, Thiruvalluvar University, Vellore.

**Dr. T. Ramachandran**

Assistant Professor  
M.V.M. Govt. Arts College for Women, Dindigul.

**Dr. N. Seenivasan**

Assistant Professor  
Government Arts College for Women, Nilakkottai.

Alumni and MTWU- Ramanujan Mathematical Club  
Members, Department of Mathematics .  
Mother Teresa Women's University

## FOR COMMUNICATION

**Dr. K. Bhuvanewari & Dr. S. Vimala**

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## MOTHER TERESA WOMEN'S UNIVERSITY

(Established Under the Act of Tamilnadu 1984)  
Kodaikanal – 624 101, Tamil Nadu, India



International Conference on  
RECENT ADVANCES IN  
MATHEMATICAL SCIENCE AND  
ITS APPLICATIONS

August 26 & 27, 2021



*Organized by*

Department of Mathematics  
Mother Teresa Women's University  
Kodaikanal- 624 101, Tamil Nadu, India  
[www.motherteresawomenuniv.ac.in](http://www.motherteresawomenuniv.ac.in)

## OBJECTIVE

The main objective of the International Conference is to bring out recent research works with applications and discuss various latest real life problems with innovative ideas. The conference will have plenary invited talks as well as contributed presentations in different technical sessions. The conference intends to provide an ideal platform for young researchers throughout the world to interact, exchange their views and ideas with senior Scientists, eminent Mathematicians from premier Institutes across the country.

## ABOUT THE UNIVERSITY

Mother Teresa Women's University (MTWU), the only Women's University of Tamil Nadu State Government is situated at Attuvampatti, Kodaikanal, the "Princess of Hill Stations" and the most popular multicultural tourist centre. The University, whose foundation stone was laid by the legendry Noble Laureate for peace, Mother Teresa, was established in 1984 under the Act 15 of Tamil Nadu with the lofty vision of "Empowering Women through Education". The University plays a catalytic role in women empowerment and building inclusive society. MTWU has its Research and Extension Campus at Chennai, Madurai, Coimbatore, and a Campus for Women's Studies at Pallapatti, Dindigul for promoting women entrepreneurship. This University offers PG Programs (M.A., M.Com., M.Ed., M.B.A., M.C.A., M.Sc.) and Research programs (M.Phil. and Ph.D.) in Arts and Sciences.

MTWU offers B.Ed. programme through its constituent college in Ananthagiri campus, Kodaikanal. The University also takes higher education to the doorsteps of aspiring women by offering UG and PG Programs in Arts and Science through Distance Education Mode. The Tamil Nadu Common Wealth Mother Teresa Women's University International Centre is an additional credit to the University for cultivating competent women with relevance to global standard. The University has remarkable research and project records through MHRD, UGC, DST, TNSCST, TANSCH, and ICSSR funded Departments with State of Art facilities. With potential infrastructure and committed staff and faculty, MTWU offers yeoman service for building intellectual, sustainable, and socially responsible young minds for the Nation.

## ABOUT THE DEPARTMENT

The Department of Mathematics in Mother Tereza Women's University was established in 2005. The Department offers M.Sc., M.Phil. and Ph.D. programmes in Mathematics.

In Mathematics department, the Ramanujan Mathematical Club has been regularly organized various activities as National/International Seminars, Conferences, Workshops, TNPSC, UGC SLET/ NET coaching.. Students are getting mental and physical wealth through yoga, sports in supportive departments. Apart from Kodaikanal in our University research and extension Campus Chennai and Coimbatore M.Sc. Mathematics program is available. Department continues its contribution both in academic and research activities in pure and applied Mathematics.. State Government scholarships are given to all eligible students in M.Sc and M.Phil Mathematics. Ph.D scholars are availing state government SC/ST scholarship.

### Topics of the Interest (but not limited to)

- Dynamical Systems
- Stability and Stabilization
- Applied Mathematics
- ODE's and PDE's
- Fractional Differential Equations
- Control Theory
- Graph Theory
- Topology and its Applications
- Fuzzy Dynamical Systems
- Mathematical Biology
- Digital Image Processing
- Fluid Dynamics

## CONTRIBUTED PAPERS

Contributed presentations in lecture format are invited in all areas consistent with the conference theme. A lecture format involves a 10 minutes oral presentation with an additional 5 minutes for discussion. Each contributed must submit a title and brief abstract not to exceed 150 words using Times New Roman, size 12, 1.5 spaced in word/Latex template. A notification of acceptance will be sent to the contributors within 10 days after submission.

- ❖ All abstracts will be reviewed and the number of paper presentations will be limited.
- ❖ Abstract and Full paper have to be sent to [mtwuicded2021@gmail.com](mailto:mtwuicded2021@gmail.com)
- ❖ Selected papers will published in the UGC care listed Journal

## Registration Fee Details

S. No.	Category	Fees (Rs.)
1	Student/Research Scholar	300
2	Faculty	500

Last date for Abstract submission:-27.7.2021  
Last date for Full paper submission:-10.8.2021  
Last date for Registration:23.8.2021

## ADVISORY COMMITTEE

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Bharathiar University, India

**Dr. Yong Ren**  
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Guelma University, Algeria

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Kongju National University, South Korea

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Anhui Normal University, China

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