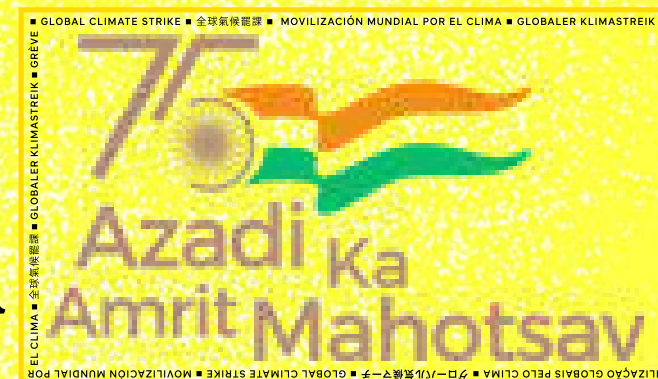




MAHATMA GANDHI UNIVERSITY, KOTTAYAM, INDIA

**School of Mathematics and Statistics &
School of Data Analytics**



International Conference on Mathematics, Statistics and Data Science (ICMSDS-2022)

| 26-27 February 2022 |

About the Conference

Welcome to ICMSDS-2022!

We warmly welcome you to participate and contribute to the International Conference on Mathematics, Statistics, and Data Science (ICMSDS-2022), which will be held during 26-27 February 2022 at Mahatma Gandhi University, Kottayam, Kerala, India, organized by the newly established School of Mathematics and Statistics & School of Data Analytics.

Mathematics and Statistics along with Computer Science form the pillars of the emerging areas of Data Science and Data Analytics. In this new data driven world, the importance of interdisciplinary studies and research in Mathematics and Statistics has increased more than ever and big data challenges have made it necessary to develop more advanced models and techniques. Academia and Industry has to come together to address these issues. India had a strong tradition of great scholars in Mathematics and Statistics and we have made a mark in the field of Computer Science at global level.

The goal of ICMSDS-2022 is to bring together outstanding scholars, practitioners and students across the world who are interested in further improvement of the state of the art research in Mathematics, Statistics, and Data Science for the purpose of exchanging information across a wide variety of disciplines and communities. Researchers and practitioners are expected to provide new perspectives for cross-disciplinary collaboration and acquire inspiration to help foster creative discoveries. The conference's themes are therefore "Recent Trends in Mathematical and Statistical Sciences and Data Science."

Due to the current pandemic situation, conference will take place in online mode. We solicit your wholehearted support and active involvement for the success of ICMSDS - 2022.

About the University

Mahatma Gandhi University, Kottayam established on 2nd October 1983 is one of the major Universities in Kerala, that strives to fulfill the higher educational needs of the people of Central Kerala. The University was accredited "A" by NAAC with a score of 3.24 points in 2017, and was ranked 30th in National Institution Ranking Framework (NIRF) and included among the top 25 educational institutions in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) -2020, conducted by the Ministry of HRD. The Council of Scientific & Industrial Research (CSIR) ranked the University 13th in India in terms of intellectual productivity and National Institute of Science, Technology and Development Studies (NISTADS) rated 19th in terms of h-index of the science faculty. Department of Science and Technology (DST) also ranked the University 8th among the 29 Universities under the Promotion of University Research and Scientific Excellence (PURSE) programme. Recently, Times Higher Education ranked MGU 141 among the world's emerging universities and 11th in India Today-MDRA Ranking 2018.

The University has won the Chancellors Award for the Best University in Kerala for 3 times in 2020-21, 2017-18 and 2015-16. The present Vice Chancellor Prof. Dr. Sabu Thomas, is a world renowned top ranking scientist and researcher in Nano Science and Technology and Polymer Sciences in the area of Chemical Sciences. There are many other distinguished scholars among our faculty.

For more details visit www.mgu.ac.in



About the Schools

School of Mathematics & Statistics and School of Data Analytics were established in 2020. In this new era of increasing thrust on Mathematical Modeling and Statistical Data Analytics and Data Science, there is wide scope and potential for offering postgraduate and research level interdisciplinary programs in these disciplines. Mathematics and Statistics are fundamental disciplines of knowledge and constitutes most important tools for all programs of study and research as well as science & technology, social sciences, health and welfare, industry, business and management. At present the schools are led by Prof. Dr. K. K. Jose as Hon. Director and a team of dedicated faculty members.

During 2021-22 we have started three programmes of study namely (i) M.Sc. Mathematics (ii) M.Sc. Statistics (iii) M.Sc. Data Science and Analytics. One full semester Project Work and Internship are part of each program. The curriculum and syllabus for these programs are developed by eminent scholars and industry experts with a view to provide teaching, research and training in emerging areas for meeting the demand from academia and industry. In addition to the program of study, various workshops, seminars, conferences, lecture series etc by experts will be offered to encourage research and skill development to meet the emerging challenges.

Email: sms@mgu.ac.in, sda@mgu.ac.in

[For more details : Click Here](#)



Important Dates

Last date of Registration: 22 February 2022

Dates of Conference: 26-27 February 2022

School of Mathematics, Statistics and Data Analytics, Mahatma Gandhi University, Priyadarsini Hills, Kottayam, Kerala, India - 686560

Background and Images: Kumarakom Back Waters: [View More](#)

Speakers:

Keynote Speaker:

1. Prof. C. E. Veni Madhavan,
C. R. Rao Advanced Institute of Mathematics, Statistics and
Computer Science, Hyderabad.

Invited Speakers:

1. Dr. K. Jayakumar
Professor & Head, Department of Statistics, University of Calicut,
India.
2. Dr. Jayrold Arcede,
Professor, Department of Mathematics, Caraga State University,
Philippines.
3. Dr. Joby K. Jose
Registrar & Professor, Department of Statistics, Kannur University,
Kerala, India.
4. Dr. Juan Eduardo Napoles Valdes
Professor, Department of Mathematics, National University of the
Northeast, Argentina.
5. Prof. Kalyan Chakraborty
Director, KSCSTE- Kerala School of Mathematics, Kozhikode,
India.
6. Dr. Manoj Chacko
Associate Professor, Department of Statistics, University of Kerala,
India.
7. Dr. Normah Maan
Associate Professor, Assistant Dean, Quality and Strategy, Department
of Mathematical Sciences, Faculty of Science, Universiti Teknologi
Malaysia, Malaysia.
8. Dr. R. Raja
Assistant Professor and Head (i/c), Ramanujan Centre for Higher
Mathematics, Alagappa University, Tamil Nadu, India.
9. Dr. P. G. Sankaran
Pro-Vice Chancellor and Professor of Statistics, Cochin University of
Science and Technology, Kochi, India.
10. Dr. C. Satheesh Kumar
Professor and Director, School of Physical and Mathematical
Sciences, University of Kerala, India.
11. Dr. Sebastian George
Associate Professor and Head, Department of Statistics, Kannur
University, India.
12. Dr. Sumitra S.
Associate Professor, Dept. of Mathematics, Indian Institute of Space
Science and Technology, Thiruvananthapuram, India.
13. Dr. G. Suresh Singh
Professor, Department of Mathematics, University of Kerala, India.
14. Dr. P. B. Vinodkumar
Professor, Department of Mathematics, Rajagiri School of
Engineering & Technology(RSET) - Autonomous, Kochi, India.
15. Dr. Wajaree Weera
Assistant Professor, Department of Mathematics, Khon Kaen
University, Thailand.
16. Dr. Xiao-Jun Yang
Professor, School of Mathematics and State Key Laboratory for
Geo-mechanics and Deep Underground Engineering, China
University of Mining and Technology, China.
17. Dr. Yun Kang
Professor, Department of Applied Mathematics, Arizona State
University, USA.



Organizing Committee

Patrons:

1. Prof. Dr. Sabu Thomas, Vice Chancellor, Mahatma Gandhi
University, Kottayam.
2. Prof. Dr. C. T. Aravindakumar, Pro Vice Chancellor, Mahatma
Gandhi University, Kottayam.

Advisory Board:

1. Prof. Dr. B. Prakashkumar, Registrar, Mahatma Gandhi University,
Kottayam.
2. Prof. Dr. Bindu V. R., Dean, Faculty of Sciences, Mahatma Gandhi
University, Kottayam.
3. Prof. Dr. Ambat Vijayakumar, Emeritus Professor & Former Head,
Dept. of Mathematics, Cochin University of Science and
Technology, Kochi.

Chairman:

1. Prof. Dr. K. K. Jose, Hon. Director, School of Mathematics &
Statistics and School of Data Analytics, Mahatma Gandhi
University, Kottayam.

Vice Chairman :

1. Prof. Abraham K. Samuel, School of Mathematics & Statistics.

Conveners :

1. Dr. S. Satheesh, School of Data Analytics.
2. Dr. Ajitha Sasi, School of Mathematics & Statistics.
3. Dr. Vivek S., School of Mathematics & Statistics.

Joint Conveners :

1. Ms. Aswathy N. Rajan, School of Data Analytics.
2. Ms. Lakshmi Rajeev, School of Mathematics & Statistics.
3. Ms. Mariya Thomas, School of Mathematics & Statistics.

Organizing Secretary :

1. Mr. Sayooj Aby Jose, IMU Breakout Graduate Fellow, Alagappa
University, Tamil Nadu and Academic Ambassador (SMS&SDA),
Mahatma Gandhi University, Kottayam.

Registration Fee: Nil

**For more details about the Conference and
For registration: Click Here**

**For Enquiries: mgusmsda@gmail.com or contact us on
+91 83048 70247, +91 95679 73379, +91 94963 08382**



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Final Programme

DAY 1: Saturday - 26 February, 2022	
SESSION I 9.15 -10.30	INAUGURAL SESSION Silent Prayer : Welcome Speech: Prof. K. K. Jose, Hon. Director, SMS & SDA, Presidential Address: Prof. Sabu Thomas, Vice Chancellor, MGU Inauguration: Prof. V. K. Ramachandran, Vice Chairman, Kerala State Planning Board, Thiruvananthapuram Felicitations: Prof. Kalyan Chakraborty, Director, Kerala School of Mathematics Prof. Ambat Vijayakumar, Emeritus Professor of Maths, CUSAT Vote of Thanks : Prof. Abraham K. Samuel, SMS
CHAIR	Ambat Vijayakumar
SESSION II 10:40-11:25	Keynote Address Prof. C. E. Veni Madhavan C. R. Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad, India.
CHAIR	K. K. Jose
SESSION III 11:30-13:00	Invited Talk 1 (11.30-12.15) Dr. Xiao-Jun Yang Professor, School of Mathematics and State Key Laboratory for Geo-mechanics and Deep Underground Engineering, China University of Mining and Technology, China
	Invited Talk 2 (12.15-13.00) Dr. G. Suresh Singh Professor, Department of Mathematics, Kerala University, Kerala, India.
LUNCH BREAK	

CHAIR		Satheesh S.
SESSION IV 14:00-15:30	Invited Talk 3(14.00-14.40) Dr. Manoj Chacko Associate Professor, Department of Statistics, University of Kerala, Kerala, India.	
	Invited Talk 4 (14.45-15.30) Dr. Wajaree Weera Assistant Professor, Department of Mathematics, Khon Kaen University, Thailand.	
CHAIR		Abraham K. Samuel
SESSION IV 15:40-18:00	Invited Talk 5 Dr. Juan Eduardo Napoles Valdes Professor, Department of Mathematics, National University of the Northeast, Argentina.	
	Invited Talk 6 Dr. P. G. Sankaran Pro-Vice Chancellor and Professor of Statistics, CUSAT, Kochi, Kerala, India.	
	Invited Talk 7 Dr. Sebastian George Associate Professor and Head, Department of Statistics, Kannur University, Kerala, India.	
18.10		
CLOSING		

DAY 2: Sunday -27 February, 2022		
CHAIR		Ajitha Sasi
SESSION VI 9:00-10:30	Invited Talk 8 Dr.C. Satheesh Kumar Director, School of Physical and Mathematical Sciences Professor, Department of Statistics, Kerala University, Kerala, India.	
	Invited Talk 9 Dr. Yun Kang Professor, Department of Applied Mathematics, Arizona State University, USA.	
CHAIR		C. Satheesh Kumar
	Invited Talk 10 Dr. Joby K. Jose Registrar and Professor, Department of Statistics, Kannur University, Kerala, India.	

SESSION VII 10:40-13:00	Invited Talk 11 Dr. K. Jayakumar Professor and Head, Department of Statistics, Calicut University, Kerala, India.
	Invited Talk 12 Dr. Normah Maan Associate Professor, Assistant Dean, Quality and Strategy, Department of Mathematical Sciences, Faculty of Science, Universiti Teknologi Malaysia, Malaysia.
LUNCH BREAK	
CHAIR Vivek S.	
SESSION VIII 13:45-15:20	Invited Talk 13 Dr. R. Raja Assistant Professor and Head (i/c), Ramanujan Centre for Higher Mathematics, Alagappa University, Tamil Nadu, India.
	Invited Talk 14 Dr. Jayrold Arcede Professor, Department of Mathematics, Caraga State University, Philippines.
CHAIR Ambat Vijayakumar	
SESSION IX 15:30-17:00	Invited Talk 15 Dr. S. Sumitra Associate Professor, Department of Mathematics, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, India.
	Invited Talk 16 Dr. P. B. Vinod Kumar Professor, Department of Mathematics, Rajagiri School of Engineering & Technology, Kochi RSET, Kochi, India.
SESSION X 17:00-17.30 <div style="text-align: center;"> VALEDICTORY FUNCTION Chief Guest : Prof. C.T. Aravindakumar, PVC, MGU </div>	

N. B. Invited Talk for 40 minutes followed by questions and discussion for 5 minutes.

Online link will be sent on 25th February FN. For any queries contact Dr.K.K.Jose -9446560608