



PASUMPON MUTHURAMALINGA THEVAR COLLEGE USILAMPATTI - 625 532, MADURAI DISTRICT



INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES AND ITS APPLICATIONS



TOPIC

**ENCRYPTION TECHNIQUE
THROUGH GRAPH LABELING**

SPEAKER

Dr. J. BASKAR BABUJEE

Associate Professor, Department of Mathematics, Anna University, Chennai.



TOPIC

RECENT PROPERTIES OF OMEGA INVARIANT

SPEAKER

Dr. ISMAIL NACI CANGUL

Faculty of Arts and Science, Department of Mathematics, Uludag University Gorukle, Bursa/Turkey



TOPIC

THEORY OF INFORMATION

SPEAKER

Dr. G. SURESH SINGH

Professor and Head

Department of Mathematics, University of Kerala, Thiruvananthapuram



TOPIC

**GLIMPSES OF GRAPHS IN
SCIENCE AND TECHNOLOGY**

SPEAKER

Dr. G. MAHADEVAN

Associate Professor Department of Mathematics

Gandhigram Rural Institute and Deemed University Dindugal



FELICITATION

Dr. P. SUNDARAM

Former Principal, NGM College, Pollachi



ALL ARE INVITED

Date : 07.10.2021

Time : 10.00am

Place: Meeting Hall

Dr. O. RAVI M.Sc., M.Phil., Ph.D.,

Principal





PASUMPON MUTHURAMALINGA THEVAR COLLEGE USILAMPATTI - 625 532, MADURAI DISTRICT



INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES AND ITS APPLICATIONS



TOPIC

**THE SEQUELS OF
DOMINATION IN GRAPHS**

SPEAKER

Dr. C. SIVAGNAMAM

Assistant Professor
University of Technology & Applied Sciences Sultanate of Oman



TOPIC

MATHEMATICAL MODELLING

SPEAKER

Dr. M.S. JAGADEESH KUMAR

Senior Associate Professor School of Advanced Sciences VIT Vellore



TOPIC

**RECENT TRENDS IN
NATURE INSPIRED TECHNIQUES AND
THEIR REAL LIFE APPLICATIONS**

SPEAKER

Dr. SATYA BIR SINGH

Professor
Department of Mathematics Punjabi University Patiala



TOPIC

GLOBAL CLIMATE MODEL

SPEAKER

Dr. DEVARAJU NARAYANAPPA

Professor University of Oslo Norway



Dr. O. RAVI M.Sc., M.Phil., Ph.D.,
Principal

ALL ARE INVITED

**Date : 08.10.2021
Time : 10.00am
Place: Meeting Hall**





International Conference on Mathematical Sciences and its Applications (ICMSA)

07th and 8th October, 2021

Organized by

Department of Mathematics

PASUMPON MUTHURAMALINGA THEVAR COLLEGE,

(Affiliated to Madurai Kamaraj University)

USILAMPATTI – 625 532

MADURAI DISTRICT, TAMIL NADU, INDIA.

Our college

Our college is a community college, meant for Mukkulathor Community, of which Piramalai Kallar, a sect thickly populated in our area, who had been under the subjugation of draconian Criminal Tribes Act until 1947. Our founders namely P.K.Mookaiya Thevar and V.K.C.Natarajan who could access to graduation which had been a rarest of rare event in the history of education of Piramalai Kallar Community as founders felt the pain and grasped the necessity of empowering of our people through higher education with scarce resources of economy blended with the sense of strong will for community development.

Our college is tirelessly working for instilling the spirit of Nationalism among the students as it has been named after Pasumpon Muthuramalinga Thevar who had been a great Patriot and remained a spiritual Guru till he breathed his last. In addition to that since its inception, our college is keen on promoting education to the poor in line with our constitution without looking into the merit but with the spirit of accommodation irrespective of caste or economical status.

Our Department of Mathematics

Our department is well equipped with faculties and sophisticated infrastructure. Our department is continuously pursuing all kinds of extracurricular activities other than examination oriented like guest lectures, value added courses, motivating students to do innovative projects and to make them attend seminars, workshops, and so on.

Our Conference

Our College, despite being situated in a rural setting, has to stand up to the challenges of globalisation and privatisation of education which has thrown open the floodgates for the juggernaut to thrive upon. Fusion of dynamism in the culture of academical activities has become a primary task. Hence our Management is initiating steps to hold such kind of international conferences which cannot be dreamt of, in places like Usilampatti. This effort will offset the balance of standard in education between rural and cosmopolitan. This conference will usher in an era of innovation and lead to have connections with international scholars who present their new ideas. There is a possibility of getting connected to funding agencies via this conference.

Invited Resource Persons



Dr. J. Baskar Babujee,
Associate Professor,
Department of Mathematics,
Anna University, Chennai



Dr. Ismail Naci CANGUL,
Faculty of Arts and Science,
Department of Mathematics,
Uludag University,
Gorukle,
Bursa / Turkey



Dr. C. Sivagnanam,
Assistant Professor,
University of Technology
& Applied Sciences,
Sultanate of Oman



Dr. M. S. Jagadeesh Kumar,
Senior Associate Professor,
School of Advanced Sciences,
VIT, Vellore



Dr. Devaraju Narayanappa,
Professor,
University of Oslo,
Norway



Dr. Satya Bir Singh,
Professor,
Department of Mathematics,
Punjabi University,
Patiala



Dr. G. Mahadevan,
Associate Professor,
Department of Mathematics,
Gandhigram Rural Institute,
Dindugul

Organizing Committee



Chief Patron

Valandhur Mr. P. Pandian B.A.,
College Secretary



Academic Secretary

Dr. G. Suresh Singh
Professor
Department of Mathematics
University of Kerala
Thiruvananthapuram



Organizing Secretary

Dr. O. Ravi M. Sc., M. Phil., Ph. D.,
Principal

Organizing Committee Members

Dr. M. Renugadevi M.Sc., M.Phil., Ph.D.,

Dr. M. Rameshpandi M.Sc., M.Phil., Ph.D.,

Dr. M. Rajakalaivanan M.Sc., M.Phil., Ph.D.,

Dr. M.K. Sivasankari M.Sc., M.Phil., Ph.D.,

Advisory Committee Members

- Dr. P. Sundaram** M. Sc., M. Phil., Ph. D., Former Principal, N. G. M. College, Pollachi.
- Dr. M. Lellis Thivagar** M. Sc., Ph. D., Professor, Madurai Kamaraj University, Madurai.
- Dr. M. Davamani Christober** M. Sc., M. Phil., Ph. D., Principal, The American College, Madurai.
- Dr. R. Asokan** M. Sc., M. Phil., Ph. D., Professor, Department of Mathematics, Madurai Kamaraj University, Madurai.
- Dr. M. Pitchaimani** M.Sc., M.Phil., Ph.D., Assistant Professor, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai.
- Dr. N. Anbazhagan** M. Sc., M. Phil., Ph. D., Professor and Head, Department of Mathematics, Alagappa University, Karaikudi.
- Dr. K. Bhuvaneswari** M. Sc., M. Phil., Ph. D., Associate Professor of Mathematics, Mother Teresa Women University, Kodaikanal.
- Dr. S. Padmasekaran** M.Sc., M.Phil., Ph.D., Assistant Professor, Department of Mathematics, Periyar University, Salem.
- Dr. M. Mohamed Sheriff** M. Sc., M. Phil., Ph. D., Former Principal, QMC, Chennai.
- Dr. G. Ganesan** M. Sc., M. Phil., Ph. D., Professor and Head, Department of Mathematics, Adikavi Nannaya University, Rajahmundry, Andhra Pradesh
- Dr. P.G. Patil** M. Sc., M. Phil., Ph. D., Professor, Department of Mathematics, Karnatak University, Dharwad, Karnataka.

Academic Committee Members

- Dr. K. Krishnan** M. Sc. M. Phil., Ph. D., Assistant professor, PG & Research Department of Mathematics, CPA College, Bodinayakanur.
- Dr. N. Kandaraj** M. Sc. M. Phil., Ph. D., Associate Professor, PG & Research Department of Mathematics, Saiva Bhanu Kshatriya College, Aruppukottai .
- Dr. S. Murugesan** M. Sc. M. Phil., Ph. D., Associate Professor (Rtd), PG & Research Department of Mathematics, SRNM College, Sattur, Viruthunagar District.
- Dr. L. Rajendran** M. Sc. M. Phil., Ph. D., Professor and Head, Department of Mathematics, AMET University, Chennai – 12.
- Dr. M. Jeyaraman** M. Sc., M. Phil., Ph. D., Assistant Professor, PG and Research Department of Mathematics, Raja Dorai Singam Govt Arts College, Sivagangai.
- Dr. N. Seenivasagan** M. Sc., M. Phil., Ph. D., Assistant Professor and Head, Department of Mathematics, Government Arts College (W), Nilakottai.
- Dr. K. M. Dharmalingam** M. Sc., M. Phil., Ph. D., Assistant Professor, PG Department of Mathematics, The Madura College, Madurai.
- Dr. S. Chandrasekar** M. Sc., M. Phil., Ph. D., Assistant Professor, Department of Mathematics, Arignar Anna Government Arts College, Namakkal.
- Dr. S. Ganesan** M. Sc., M. Phil., Ph. D., Assistant Professor, PG and Research Department of Mathematics, Raja Dorai Singam Govt Arts College, Sivagangai.
- Dr. G. Ramkumar** M. Sc., M. Phil., Ph. D., Assistant Professor, Department of Mathematics, Arul Anandar College, Karumathur, Madurai
- Dr. P. Santhi** M. Sc., M. Phil., Ph. D., Assistant Professor, Department of Mathematics, S. F. R. College, Sivakasi.
- Dr. B. Meera Devi** M. Sc., M. Phil., Ph. D., Assistant Professor, PG and Research Department of Mathematics, SRNM College Sattur.
- Dr. C. Rajan** M. Sc., M. Phil., Ph. D., Assistant Professor, Department of Mathematics, Vivekananda College, Tiruvudagam.
- Dr. A. Hamari Choudhi** M. Sc., M. Phil., Ph. D., Associate Professor and Head, PG and Research Department of Mathematics, MTN College, Madurai.
- Dr. N. Deena** M.Sc., M.Phil., Ph.D., Assistant Professor, PG and Research Department of Mathematics, SN College, Madurai.
- Ms. A. Paulin Mary** M. Sc., M. Phil., SLET., Associate Professor and Head, Department of Mathematics, Fatima College, Madurai.
- Dr. Nirmala Rebecca Paul** M. Sc., M. Phil., Ph. D., Associate Professor and Head, Department of Mathematics, Lady Doak College, Madurai.
- Dr. M. Meharin** M.Sc., M.Phil., Ph.D., Assistant Professor, Department of Mathematics, MSS Wakf Board College, Madurai.
- Dr. M. Navaneetha Krishnan** M. Sc., M. Phil., Ph. D., Associate Professor and Head, Department of Mathematics, Kamaraj College, Tuticorin.
- Dr. M. Azhagappan** M. Sc., M. Phil., Ph. D., Head, Department of Mathematics, Yadava College, Madurai.
- Dr. S. Jackson** M. Sc., M. Phil., Ph. D., Assistant Professor, PG and Research Department of Mathematics, V. O. C. College, Tuticorin.
- Dr. I. Rajasekaran** M. Sc., B. Ed., Ph. D., Assistant Professor, Department of Mathematics, T. D. M. N. S College, T. Kallikulam.
- Dr. P. Maheshwaran** Assistant Professor, Department of Mathematics, Vivekananda College, Agastheeswaram, Kanyakumari.
- Dr. S. K. Kanchana** M. Sc., M. Phil., Ph. D., Assistant Professor, Department of Mathematics, Sourastra College, Madurai.
- Dr. P. Vidhya** M. Sc., M. Phil., Ph. D., Assistant Professor and Head, Department of Mathematics, E. M. G. Yadava College (W), Madurai.
- Dr. M. Sathyabama** M. Sc., Ph. D., Assistant Professor, Department of Mathematics, Periyar University Constituent Arts and Science College, Idappadi.

Call for Papers

The person who wishes to present paper is requested to send the paper in word format with font size 12, Times New Roman with single space. The maximum number of pages should be restricted to 15.

Paper presenter is requested to send the Plagiarism report of your paper using Turnit software and makes sure that the Plagiarism should be restricted to less than 15%.

After the conference, only presented and selected papers will be published after the blind peer review process in Reputed international/National Journals.

The paper template and journal fee for publication will be intimated after the peer review process.

Interested persons are requested to send your papers to the following email id: icmsia21@gmail.com

Registration Fee

	Participation	Paper Presentation
Students & Research Scholars	Rs. 2000/-	Rs. 2200/-
Faculty/Academicians/Industrialists	Rs.2500/-	Rs.2700/-

Bank Account Details

Name : Dr. B. Alexpandi
A/C. No. : 20396525461
Bank : SBI
Branch : Usilampatti
IFSC : SBIN002284

☞ Gateway of Online Payment : Google Pay / Phonepe / Paytm
Phone Number : 98428 42884
Name : B. Alexpandi

Important Dates

Last Date for Registration	03.10.2021
Last Date for Submission of Full-paper	02.10.2021
Intimation of Acceptance of Paper	05.10.2021
Last Date for Fee Payment for Paper Presentation	06.10.2021

Contact Details

Dr. O. Ravi
Principal,
Pasumpon Muthuramalinga Thevar College,
Usilampatti - 625 532,
Madurai District, Tamil Nadu, India.

📞 63835 40113 email : siingam@yahoo.com

International Conference on Mathematical Sciences and its Applications (ICMSA)
Department of Mathematics,
Pasumpon Muthuramalinga Thevar College,
Usilampatti, Madurai, Tamil Nadu, India.

Programme Schedule

Date : 07.10.2021

Time	Speaker	Topic
10.00 am - 11.00 am	Inaugural Session	
11.15 am - 12.15 pm	Dr. J. Baskar Babujee	Encryption Technique Through Graph Labeling
12.15 pm – 01.15 pm	Dr. Ismail Naci CANGUL	Recent Properties of Omega Invariant
01.15 pm - 02.15 pm	Lunch Break	
02.15 pm - 03.15 pm	Dr. G. Suresh Singh / Dr. G. Mahadevan	Theory of Information / Glimpses of Graphs in Science and Technology
03.15 pm	Paper Presentation	

Date : 08.10.2021

Time	Speaker	Topic
10.00 am - 11.00 am	Dr. C. Sivagnanam	The Sequels of Domination in Graphs
11.15 am - 12.15 pm	Dr. M.S. Jagadeesh Kumar	Mathematical Modelling
12.15 pm – 01.15 pm	Dr. Satya Bir Singh	Recent Trends in Nature Inspired Techniques and their Real Life Applications
01.15 pm - 02.15 pm	Lunch Break	
02.15 pm - 03.15 pm	Dr. Devaraju Narayanappa	Global Climate Model
03.15 pm	Valediction	

International Conference on Mathematical Sciences and its Applications (ICMSA)

Inaugural Session

Date : 07.10.2021

Time: 10.00 am

Venue : Meeting Hall

- Invocation : **Ms. J. Hindu Sree** M.A.,
Assistant Professor / English
- Blessing : **Mr. L.S. Balakrishnan** B.Sc.,
President, Kallar Kalvi Kazhagam
- Valandur Mr. P. Pandian** B.A.,
Secretary, Kallar Kalvi Kazhagam
- Mr. S.R. Vanaraja** B.Sc.,
Treasurer, Kallar Kalvi Kazhagam
- Welcome Address : **Mr. M Subash** M.A., M.Phil.,
Assistant Professor / English
- Presidential Address : **Dr. O. Ravi** M.Sc., M.Phil., Ph.D.,
Principal / Organizing Secretary
- Vision and Mission of the
Conference : **Dr. M. Renugadevi** M.Sc., M.Phil., Ph.D.,
Assistant Professor and Head
Department of Mathematics
- Brief Introduction : **Dr. M.K. Sivasankari** M.Sc., M.Phil., Ph.D.,
Assistant Professor / Mathematics
- Inaugural Address : **Dr. G. Suresh Singh** M.Sc., M.Phil., Ph.D.,
Professor and Head
Department of Mathematics,
University of Kerala, Thiruvananthapuram
- Brief Introduction : **Dr. M. Rameshpandi** M.Sc., M.Phil., Ph.D.,
Assistant Professor / Mathematics
- Felicitations : **Dr. P. Sundaram** M.Sc., M.Phil., Ph.D.,
Former Principal,
N.G.M. College, Pollachi
- Offering Shawls : **Dr. M. Rajakalaivanan** M.Sc., M.Phil., Ph.D.,
Assistant Professor / Mathematics
&
Mrs. J. Keerthickaa M.A., M.A.,
Assistant Professor / English
- Vote of Thanks : **Dr. R. Margaret Karunya** M.A., M.Phil., Ph.D.,
Assistant Professor / English

- Master of Ceremony : **Mrs. L. Surya** M.A., D.T. Ed.,
Assistant Professor / English
&
Mrs. K. Nagapriya M.Com., M.Phil., M.B.A.,
Assistant Professor / Corporate Secretaryship

International Conference on Mathematical Sciences and its Applications (ICMSA)

Valedictory Function

Date : 08.10.2021

Time: 03.15 pm

Venue : Meeting Hall

- Invocation : **Dr. S. Alphonsa** M.A., M.Phil., Ph.D.,
Assistant Professor / Economics
- Welcome Address : **Mrs. S. Masimalar** M.A., M.Phil.,
Assistant Professor / English
- Presidential Address : **Dr. O. Ravi** M.Sc., M.Phil., Ph.D.,
Principal / Organizing Secretary
- Introduction of Chief Guest : **Dr. S. Ponnammal** M.Com., M.Phil., B.Ed., Ph.D.,
Assistant Professor / Commerce
- Chief Guest Address : **Mrs. G. Anantha Karthika**
Junior Superintendent, Theni Market Committee,
Theni
- Felicitation : **Dr. G. Suresh Singh** M.Sc., M.Phil., Ph.D.,
Professor and Head
Department of Mathematics
University of Kerala, Thiruvananthapuram
- Dr. Satya Bir Singh** M.Sc., M.Phil., Ph.D.,
Professor,
Department of Mathematics
Punjabi University, Patiala
- Dr. G. Mahadevan** M.Sc., M.Phil., Ph.D.,
Associate Professor,
Department of Mathematics
Gandhigram Rural Institute and Deemed University
Dindigul
- Offering Shawls : **Dr. R. Ponnuram** M.A., B.L., Ph.D.,
Legal Cell - Co-ordinator
&
Dr. T. Anbu M.A., M.Phil., Ph.D.,
Co-ordinator - Mental Health Centre
- Vote of Thanks : **Dr. R. Margaret Karunya** M.A., M.Phil., Ph.D.,
Assistant Professor / English

- Master of Ceremony : **Mrs. L. Surya** M.A., D.T. Ed.,
Assistant Professor / English
&
Mrs. K. Nagapriya M.Com., M.B.A., M.Phil.,
Assistant Professor / Corporate Secretaryship