

2nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020)

22.01.2020 to 24.01.2020

The 2nd International Conference on Mathematical Modelling and Computational Methods in Science and Engineering (ICMMCMSE-2020) was held at Alagappa University under the auspices of the School of Mathematics and the Department of Mathematics from 22nd to 24th January, 2020.

Presiding over the inaugural function Prof. N. Rajendran, Vice-Chancellor, said that Mathematics plays a crucial role in almost all scientific and other researches and hence a mastery over mathematics has become essential for researchers in all fields. In recent years computational mathematics and mathematical modelling are contributing enormously to multidisciplinary research and they are intrinsically connected with researches in business, economics, engineering, medicine and social sciences. He added that mathematical modelling has significantly contributed to medical research; and biomedical modelling has helped to investigate viral infection all along and today it has helped to recognise corona virus which is said to be highly hazardous to human life. He said that the gathering of experts in various fields of mathematics from abroad has paved way for signing of MoUs for collaborative research at Alagappa University.

A souvenir containing abstracts of research papers was released by the Vice-Chancellor and the copies were received by the distinguished guests. In all 315 papers were presented in 13 technical sessions conducted on all the three days of the conference. Of these 40 papers were presented by scholars from abroad.

Prof. Martin Bohner, Missouri University of Science and Technology, USA, Prof. Dumitru Baleanu, Cankaya University, Turkey, Prof. Valentina Emilia Balas, Aurel Vlaicu University of Arad, Romania, Prof. Poom Kumam, King Mongkut's University of Technology, Thailand, Prof. Chee-Peng Lim, Deakin University, Australia, Prof. Fathalla A. Rihan, United Arab Emirates University, UAE and Prof. Ovidiu Bagdasar, University of Derby, England delivered invited lectures.

Distinguished Indian Mathematicians Prof. Natesan Srinivasan, IIT, Guwahati, Prof. Paramasivan Arumugam, IIT, Roorkee, Prof. Muslim Malik, IIT, Mandi, Prof. E. Natrajan, Indian Institute of Space Science and Technology, Trivanduram and Dr. Izhar Uddin, Jamia Millia Islamia, Delhi were the other star speakers at the conference.

Earlier, Dr. N. Anbazhagan, Professor and Head, Department of Mathematics, Alagappa University, in his welcome address, referred to the objectives of the conference. The main aim is to provide a forum for researchers and experts from Mathematics background in science and engineering to exchange recent trends in this field and to expose

the scholars here to innovative and interdisciplinary research, he added. Dr. R. Raja, Convener of the conference, proposed a vote of thanks.



Publishing of 2nd ICMMCMSE-2020 Conference booklet



Prof. Dr. Martin Bohner
Missouri University of Science & Technology, USA
Delivered Keynote Address



Prof. Dr. Dumitru Baleanu
Cankaya University, Turkey
Delivered Keynote Address



Prof. Valentina Emilia Balas
Aurel Vlaicu University of Arad, Romania
Delivered Keynote Address



Prof. Dr. Chee Peng Lim
Deakin University, Australia
Delivered Invited Talk



Prof. Dr. Poom Kumam
King Mongkut's University, Thailand
Delivered Keynote Address



Prof. Dr. Fathella A. Rihan
UAE University, UAE
Delivered Invited Talk



Prof. Dr. Ovidiu Bagdasar
University of Derby, United Kingdom
Delivered Invited Talk



Prof. Dr. Dorin Andrica
Babes Bolyai University, Romania
Delivered Invited Talk



Prof. Dr. E. Natarajan

Indian Institute of Space Science & Technology
Thiruvananthapuram, Kerala
Delivered Invited Talk



Prof. Dr. P. Arumugam

Indian Institute of Technology Roorkee,
Rourkela, Odissa
Delivered Invited Talk



Prof. Dr. N. Srinivasan

Indian Institute of Technology Guwahati, Guwahati
Delivered Invited Talk



Prof. Muslim Malik

Indian Institute of Technology Mandi, Mandi
Delivered Invited Talk





Participants from 9 various countries (Thailand, Turkey, Romania, Philippines, Indonesia, Saudi Arabia, Australia, United Kingdom, Nigeria) for 2nd ICMMCMSE-2020

Nummi Tapio, University of Tampere, Finland
 Rao K.S. Madhava, University of Botswana Gaborone, Botswana
 Thamwattana, Natalie, The University of New Castle, Australia
 Long Bui Ta, University of Technology, VNU, Vietnam
 Huaiqun Wu, College of Science Yanstan University, China
 Zhangsong Yao, Nanjing Xiaozhuang University, China
 Toyohiko Aiki, Gifu University, Japan
 Waleed Al-rawashdeh, Montana Tech University of Montana, USA
 Bruno Scardua, Universidade Federal do Rio de Janeiro, Brazil
 Yong-Su Shin, Sungshin Women's University, Seoul, South Korea
 Nilgan Sormez, Afyon Kocatepe University, Turkey
 Kewen Zhao, University of Qiongzhaio, Sanya, Hainan, China
 Yiehi Chou, National Yunlin University of S & T, Taiwan
 Joseph Frankco, Texas Tech University, Canada
 James Brown, University of Southern Queensland, Australia
 Lucy Benson, University of Exeter, UK
 Erjia Liu, Nanyang Technological University, Singapore
 S. Steirc, Serbian Academy of Science, Belgrad, Serbia
 Carlos Martins Da Fonseca, Universidade de Coimbra, Portugal
 Frank Werner, Otto-von-guericke University, Magdeburg, Germany
 Diago, Neto University of Coimbra, Portugal
 Xiao Lin Wang, University of Tasmania, Australia
 Teodor Lucian, University of Craiova, Romania
 Xiaolin Qin, University of Chinese Academy of Sciences, China
 Huihua Zhao, Georgia Institute of Technology, USA
 Ahmed Chemori, University of Montpellier, France
 Chun-Yen Chung, Kun Shan University, Taiwan
 Peng-Sheng Wei, National Sun Yat - Sen University, Taiwan

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 S. Vimal Kumar, Dr. R.K.S. College of Arts and Science, Kallakurichi

**2nd International Conference on
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 METHODS IN SCIENCE AND ENGINEERING
 (ICMMCMSE - 2020)**

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Dr. R. RAJA
 Convener, ICMMCMSE - 2020
 Ramanujan Centre for Higher Mathematics
 Alagappa University, Alagappapuram
 Karaikudi 630 003, Tamilnadu, India
 +91-99435 98074
 icmcmse2020@gmail.com | rajarchm2012@gmail.com
 www.icmcmse.org



ALAGAPPA UNIVERSITY

(A State University Established in 1985)
 Karaikudi - 630 003, TamilNadu, India.

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 on**

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www.icmcmse.org

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Jointly Organized By

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