



# International Conference on Nanomedicine and Nanomaterials

03/09/2021 to 05/09/2021

Organized by  
**School of Biosciences, Mar Athanasios College for Advanced  
Studies, Tiruvalla (MACFAST)**  
in association with  
**International and Inter University Centre for Nanoscience and  
Nanotechnology (IIUCNN), Mahatma Gandhi University**

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## About the conference:

Nanotechnology is the key technology for innovations in modern industry. The rising era of nanomedicine and nanomaterials has laid the foundation for the global platform to explore the present and future challenges in the area of nanotechnology. Since the advent of nanotechnology, there has been tremendous growth in the field of nanomedicine and nanomaterials to make a better and healthier tomorrow. The impressive development of solutions for various life-threatening diseases have increased the interest among budding researchers to explore the role of nanotechnology in the healthcare system. Utilizing the improved physiochemical and biological properties of nanoscale structures allows for better diagnosis and treatment of diseases. The efficient interaction of nanomedicine and nanomaterials with the biology of the living system has resulted in bigger impacts on preventive medicine, therapy, diagnosis and follow-up care. The implication of nanotechnology in biomedical tests has led to a significant decrease in the sample volume, the time required, and potentially expensive reagents such as monoclonal antibody.

In this background, a conference on nanomedicine and nanomaterials will help to ignite innovation and thought processes among researchers, faculty members, and students to utilize the technology effectively. This conference will provide a scientific forum to share research findings and experiences with other researchers. Several international and national experts will share their views and expertise on the recent developments of nanotechnology in the area of nanomedicine and nanomaterials. The three-day international conference on nanomedicine and nanomaterials will enhance the networking and connectivity of young researchers, scholars with scientists, and delegates who are active in the field of nanotechnology. We feel highly honored to have renowned speakers with global recognition from the world's best institutions for analyzing the new trend in the nanotechnology. This conference will be an ideal platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of nanotechnology.

**Fr. Dr. Cherian J. Kottayil**  
Principal

**Dr. Jyotishkumar Parameswaranpillai**  
Research Director

**Dr. Jenny Jacob**  
HOD,  
School of Biosciences



# Invited speakers

## First Day (03/09/2021)

### Inauguration and keynote address

8:30 AM -9.45 AM

**Prof. (Dr) Sabu Thomas, D.Sc., Ph.D.,  
FRSC, FEurASc**

Vice-Chancellor,  
Mahatma Gandhi University, Kottayam,  
Kerala, India  
Email: sabuthomas@mgu.ac.in

9.45 AM-10.30 AM

**Prof. Jacques Desbrieres**

Emeritus Professor  
National Center for Scientific Research  
France  
Email: jacques.desbrieres@univ-pau.fr

10.30 AM-11.15 AM

**Prof. (Dr.) Nandakumar Kalarikkal**

Director & Professor  
International and Inter University Centre  
for Nanoscience and Nanotechnology  
Mahatma Gandhi University  
Kottayam, Kerala  
Email: nkkalarikkal@mgu.ac.in

11.15 AM-12.00 PM

**Dr. Sanjay Mavinkere Rangappa**

Research Scientist  
King Mongkut's University of Technology  
North Bangkok  
Thailand  
Email : mcemrs@gmail.com

12.00 PM-12.45 PM

**Dr. Gerardo F. Goya**

Departamento de Física de la Materia  
Condensada  
Instituto de Nanociencia y Materiales de  
Aragón (INMA)  
Universidad de Zaragoza  
Ed. I+D - Calle Mariano Esquillor s/n  
Campus Rio Ebro 50018-Zaragoza - Spain  
Phone: (34) 876 555 362  
web: <http://www.unizar.es/gfgoya>

2.00 PM-2.45 PM

**Dr. Ramesh T Subramaniam,**

Professor, Faculty of Science,  
University of Malaya,  
50603 Kuala Lumpur,  
Malaysia.  
Email: rameshtsubra@gmail.com.

3:00 PM-4.15 PM

**Prof. Mariana Buranelo Egea**

Doutora em Engenharia de Alimentos - UFPR  
Mestre em Ciência de Alimentos - UEL  
Tecnóloga em Alimentos - UEM  
Instituto Federal de Educação  
Rio Verde, Brazil  
Email: mariana.egea@ifgoiano.edu.br

4:15 PM- 5:00 PM

**Prof. Bingyun Bing Li, PhD**

Professor, Department of Orthopaedics  
Director, Nanomedicine Laboratory  
School of Medicine, West Virginia University,  
Morgantown, WV 26506-9196  
Tel: 681-285-5956 (C), 304-293-1075  
(O); Fax: 304-293-7070  
Website: <https://directory.hsc.wvu.edu/-Profile/30485>  
West Virginia University, Morgantown, WV  
Email: bili@hsc.wvu.edu

## Invited speakers

### Second day (04/09/2021)

9:00 AM-9.45 AM

**Dr. Sayan Ganguly**

Researcher Institute of Nanotechnology  
and Advanced Materials  
Bar-Ilan University, Israel  
Email : sayanganguly2206@gmail.com

9:45 AM-10:30 AM

**Dr. Sabarish R**

Researcher King Mongkut's University of  
Technology  
North Bangkok, Thailand  
Email: sabarishchem@gmail.com

10.30 AM-11.15 AM

**Prof. Sarawut Rimdusit, Ph.D.**

Chair of Chemical Engineering Graduate  
Program  
Department of Chemical Engineering  
Faculty of Engineering  
Chulalongkorn University  
Thailand  
Email: Sarawut.R@chula.ac.th

11.15 AM-12.00 PM

**Dr. Sasidharan Sreenivasan**

Associate Professor | Deputy Director  
INFOMM|Universiti Sains Malaysia,  
George Town (USM)  
Email : srisasidharan@yahoo.com  
srisasidharan@usm.my

12.00 PM-12.45 PM

**Dr Sreeraj Gopi**

President, SG Innovations,  
Innovation Fellow, Mahatma Gandhi  
University, Gdansk University  
Visiting Professor, University of Manitoba

2:00PM-2:45PM

**Dr. Ranu Dutta**

Scientist and consultant  
University of Allahabad

2:45 PM-3:30 PM

**Prof. Maria J. Sabater**

Instituto de Tecnología Química UPV-CSIC  
Universitat Politècnica de València  
Av. Los Naranjos s/n, 46022, Valencia  
(Spain)  
Email: mjsabate@itq.upv.es

### Third day (05/09/2021)

9.00 AM-9.45 AM

**Dr. Nishar Hameed**

Senior Researcher  
University of Swinburne  
Australia  
Email : nisharhameed@gmail.com

9.45 AM-10.30 AM

**Dr. Nisa Salim**

Senior Researcher  
University of Swinburne  
Australia  
Email : vsnisa@gmail.com

## Invited speakers

10.30 AM-11.15 AM

**Prof. Ahmad RAMAZANI S.A., Ph.D.,**  
Professor, Department of Chemical and  
Petroleum Engineering  
Sharif University of Technology  
Tehran, Iran  
Email: ramazani@sharif.edu

12:00 PM-12:45 PM

**Dr. Harikrishnan Pulikkalparambil**  
Researcher  
King Mongkut's University of Technology  
North Bangkok  
Thailand  
Email : harikris00@gmail.com

11.15 AM-12.00 PM

**Dr. Debabrata Nandi**  
Researcher  
King Mongkut's University of Technology  
North Bangkok  
Thailand  
Email : nandi.debabrata87@gmail.com

2.00 PM Onwards: Oral Presentation of selected papers

### Conference Registration:

Oral presentation:

For students: INR 250/-

International students: INR 1000/-

Faculty and industrialist: INR 350/-

Participation only: Free

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### Abstract submission:

You are kindly invited to submit your abstract for oral  
presentation on or before 30/08/2021

**Email : [gnrscienceclub@macfast.org](mailto:gnrscienceclub@macfast.org)**

Selected papers will be published in ISSN indexed Journal

## Conference Convener:

**Dr. Jyotishkumar Parameswaranpillai**, Research Director

## Co-ordinator

**Dr. Smitha Vijayan**, Associate Professor, School Of Biosciences, MACFAST

## Organizing Committee

**Prof. Beena Cheriyan,**

Dean School of Biosciences, MACFAST

**Mr. Stephan James,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Blessan Santhosh George,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Treesa Varghese,**

Assistant Professor,  
School of Biosciences, MACFAST

**Ms. Sini Kurien,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Shilpa Lekshmi L,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Soumya Madhavan,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Siby Simon,**

Associate Professor,  
School of Biosciences, MACFAST

**Ms. Teena Merlin,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Dhanya Radhakrishnan,**

Assistant Professor,  
School of Biosciences, MACFAST

**Dr. Haritha VH,**

Assistant Professor,  
School of Biosciences, MACFAST

**Ms. Steffi Merlin,**

Assistant Professor,  
School of Biosciences, MACFAST

**Ms. Ajmal Kallar Moidu,**

Assistant Professor,  
School of Biosciences, MACFAST





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**FOR MORE DETAILS, PLEASE CONTACT**

Dr. Jenny Jacob: 8075567847

Dr. Smitha Vijayan: 8156840849



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