



RAMAIAH
Institute of Technology



IEEE EMB



MSRIT Student Chapter

5 days e-Workshop on
“Emerging Applications of Nanotechnology”
10-14 August 2020

Jointly organized by

Department of Biotechnology & Department of Chemistry
Ramaiah Institute of Technology

In association with

**INTERNAL QUALITY
ASSURANCE CELL (IQAC)**

**IEEE EMB MSRIT
Student Chapter**

Organising Chair

Dr. N.V.R. Naidu

Principal, RIT

Organising Co-Chair

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Professor and Head

Department of Biotechnology, RIT

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Coordinators

Mr. Krishna Murthy T P

&

Mr. Samrat K

Assistant Professors

Department of Biotechnology, RIT

Dr. R Hari Krishna

Assistant Professor

Department of Chemistry, RIT



About the Workshop

As an emerging material, nanomaterials attracted scientific community owing to their small size, surface effect and quantum tunneling effect, as well as potential applications in medical devices, electronic devices, coatings, and other industries. The unique properties of nanomaterials make them superior over traditional materials and research on nanomaterials is significant for the development and application of materials science.

The main objective of this e-Workshop is to provide basic understanding of nanotechnology and current research progress in development of nanomaterials. The lectures also provide insights into the advanced application of nanomaterials in the field of biotechnology and allied sciences. This workshop also invoke interest in students and researchers to work in this trust area to develop solutions for various industrial and daily life problems.

Registration

- Students, research scholars and faculty members working in the field of nanotechnology and allied sciences are eligible to attend this workshop
- Last date of registration is 08.08.2020
- Prior registration is required for participation
- Registration is free
- There would be a short quiz at the end of each session requiring compulsory participation by all registrants
- Workshop will be hosted on YouTube and feedback forms will be shared in the YouTube Chat box during sessions.



Registration

<https://t.ly/7ybz>



Programme Schedule

<https://t.ly/mXyj>

Programme Schedule

The detailed programme schedule is available at this link →

E-Certificate will be provided within 7 working days on submission of your feedback form.

For
Session
click on
YouTube
link



bt.msrit@gmail.com



Biotechnology@RIT

Chemistry@RIT

Speakers

Topic



Dr. M V Shankar

Professor

Department of Materials Science and Nanotechnology
Nanocatalysis and Solar Fuels Research Laboratory
Yogi Vemana University, Vemanapuram
Kadapa , Andhra Pradesh

Hierarchical
Nanophotocatalysts
for Water Splitting:
Challenges and
Opportunities



Dr Helen Annal Therese

Associate Professor

Department of Chemistry,
Faculty of Engineering and Technology,
SRM Institute of Science and Technology
Kattankulathur Campus

Anode Materials for
Energy storage
devices



Dr. Dr Yogambha Ramaswamy

Lecturer

School of Biomedical Engineering
University of Sydney, Australia

Nano ceramics for
bioimplants



Dr. Vaishakh Nair

Assistant Professor

Chemical Engineering
National Institute of Technology Karnataka
Surathkal

Application of
Nanotechnology for
Conversion of Biomass
Residues to Value
added Chemicals and
Materials



Dr. S. Karthick Raja Namasivayam

Professor

Centre for Bioresource and Development (C-BIRD)
Department of Biotechnology,
Sathyabama Institute of Science and Technology
Chennai

Potential of
Nanotechnology in
Agriculture and crop
protection



Dr. Sudhir H Ranganath

Assistant Professor

Department of Chemical Engineering
Siddaganga Institute of Technology
Tumakuru

From delivering drug
to brain tumor to
sensing oxygen in the
eye, do nanoscale
materials matter??

Speakers

Topic



Dr. Sujith Kalluri

Assistant Professor



Department of Electronics and
Communication Engineering
SRM University, Andhra Pradesh

Footprint of Micro/Nano
Engineering in Energy
Storage Applications



Mr. Varadharaja Perumal

Technology Manager



MNCF, CeNSE,
Indian Institute of Science, Bengaluru

Characterization
techniques for
nanoparticles



Dr. Uchangi Satyaprasad Akshath

School of Chemistry &



Astbury Centre for Structural Molecular Biology
University of Leeds, Leeds, United Kingdom

Nano-biotechnology:
Fundamentals and
emerging trends



Dr. Manoj Singh

Assistant Professor



Department of Biotechnology
Maharishi Markandeshwar
(Deemed to Be University)
Mullana-Ambala, Haryana

Development of
nanoparticles and it's
surface modifications
for antimicrobial drug
delivery application



Dr. B. P. Hari Chandra

Associate Professor



Department of Mechanical Engineering
Ramaiah Institute of Technology, Bengaluru

Nanotechnology in
Indian Medicine



Mr. Preetham R

Director (R&D)



Viosip Solutions Pvt Ltd, Bengaluru

Nano - Building
materials perspective



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www.ramaiah-india.org

www.msrit.edu