

NATIONAL LEVEL WORKSHOP ON NANO MATERIALS CHARACTERIZATION TECHNIQUES (NMCT 2023)



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JULY
13 & 14
THU & FRI
2023



ORGANIZED BY



IQAC Cell & Department of Pharmaceutics
PSG College of Pharmacy
Coimbatore - 641004

IN ASSOCIATION WITH



PSG Institute of Advanced Studies
Coimbatore - 641004

SCAN FOR REGISTRATION



LINK FOR REGISTRATION

[HTTPS://FORMS.GLE/FKMD87RFSGKJD2EZ8](https://forms.gle/FKMD87RFSGKJD2EZ8)

ORGANIZING TEAM

PATRON

SHRI L. GOPALA KRISHNAN
Managing Trustee

CHAIRMAN

DR.M. RAMANATHAN
Principal, PSGCP

CO-CHAIRMAN

DR. KANCHANA J
Professor, PSGIAS

CONVENER

DR. V.SANKAR
Vice Principal. PSGCP

CO-ORDINATORS

MR.S. KARTHIKEYAN
Assistant Professor, PSGCP

DR. ANURADHA M ASHOK
Professor & Head, PSGIAS

MRS.R. NITHYA
Assistant Professor, PSGCP

DR. BIJI.P
Professor & Head, PSGIAS

MEMBERS

DR.S. SUBRAMANIAN
Professor, PSGCP

MRS.S. VIJAYALAKSHMI
Assistant Professor, PSGCP

DR.S.M. HABIBUR RAHMAN
Professor, PSGCP

MR.M. NITHYANANTH
Assistant Professor, PSGCP

DR. K. ARJUNAN
Associate Professor, PSGCP

MR.R. KALAIVANAN
Lecturer, PSGCP

MS.G. ABIRAMI
Lecturer, PSGCP

TENTATIVE SPEAKERS



Ms. Ragini Sharma

Product Manager, Scientific and Digital Systems,
Partner - Stable Microsystem, New Delhi

Topic: Materials Characterization of films and Gels



Mr. Sandeep H.B

Application Specialist, Malvern Application Lab
of Excellence, Bangalore.

**Topic: Pushing the Limits of DLS "Zetasizer Advance
series" in Nanotechnology- Application overview**



Dr. Amalorpava Mary L

Scientific Officer, CoE- Medical Textile, SITRA,
Coimbatore

Topic: Nano fibers and its applications



Dr. Anuradha M Ashok

Professor & Head, Dept. of Physics, PSG IAS, Coimbatore

**Topic: Electron Microscopy: a versatile technique for
material characterisation**



Dr. Biji.P

Professor & Head, Dept. of Chemistry & Nanoscience
and Technology, PSG IAS, Coimbatore

**Topic: Scanning Probe Microscopy for Biological
Systems**

About the College

PSG College of Pharmacy was started in the year 2001 under the PSG & Son's Charities trust. It offers D.Pharm, B.Pharm, M.Pharm, Pharm.D and Ph.D programmes. Within a span of 22 years it has achieved 61st position in the NIRF (National Ranking Framework) ranking among the pharmacy colleges in India declared by the Ministry of Human Resource and development, Government of India. Extensive research, teaching learning process inculcated by the faculty and excellent infrastructure helped to achieve this milestone.

About the Department

The Department of Pharmaceutics at PSG College of Pharmacy started in the year 2007 is a leading academic department known for its commitment to high-quality education and cutting-edge research in pharmaceutical sciences. Equipped with state-of-the-art facilities, including advanced instruments like

- Differential Scanning Calorimetry (DSC)
- Malvern Zeta sizer
- Texture Analyzer
- Brookfield viscometer

The department enables groundbreaking research in drug delivery systems and formulation development. Emphasizing industry-academia collaborations, the department offers students and researchers valuable exposure to real-world pharmaceutical challenges, enhancing their practical knowledge.

About PSG Institute of Advanced Studies (PSG IAS)

PSG Institute of Advanced Studies (PSG IAS) is a distinguished sister institution under the PSG & Sons' Charities, dedicated to fostering advanced research and academic excellence. At PSG IAS, state-of-the-art nano-characterization instruments empower researchers and scholars to explore the intricate world of nanotechnology. These instruments include

- Atomic Force Microscopy (AFM)
- X-ray Diffractometer (XRD)
- Thermogravimetry and Differential Scanning Calorimetry (TG-DSC)
- Transmission Electron Microscopy (TEM)
- Scanning Electron Microscopy (SEM).

These advanced tools provide the capability to visualize and analyze nanoscale structures, enabling breakthrough discoveries and advancements in various scientific disciplines.

ABOUT THE WORKSHOP

The workshop focuses on facilitating knowledge sharing and collaboration among professionals in nanotechnology. It includes technical presentations, practical demonstrations, and networking opportunities. Participants will gain insights into the latest advancements and applications of nanotechnology. The workshop will feature demonstrations of advanced equipment such as the Malvern Zeta Sizer, Texture Analyzer, Differential Scanning Calorimeter (DSC), Brookfield Viscometer, TG-DSC, Atomic Force Microscope (AFM), Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), and X-ray Diffraction (XRD). By integrating technical sessions and practical demonstrations, the workshop aims to foster interdisciplinary research, drive innovation, and empower participants to contribute significantly to nanotechnology.

REGISTRATION FEE

: RS.2000 + 18% GST

LAST DATE FOR REGISTRATION : 08.07.2023

REGISTRATION LINK

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INSTRUCTIONS

- Number of Participant is limited to 30.
- Selection will be based on merit. Research scholars will be given priority.
- The accommodation will be provided (Extra charges) based on request on a first come first served basis.
- Accommodation on sharing basis available in the hostel within the campus.
- Participant can analyze their samples at concession rate during the workshop (only with prior intimation) using Differential Scanning Calorimetry (DSC), Malvern Zeta sizer, Texture analyzer, and Brookfield viscometer.
- If DD is drawn it should be in favour of PSG College of Pharmacy payable at Coimbatore. DD should be sent to The Principal, PSG College of Pharmacy, Peelamedu, Coimbatore-641004.

BANK DETAILS

NAME OF THE ACCOUNT : PSG COLLEGE OF PHARMACY
ACCOUNT NO : 1481305371
BANK NAME : CENTRAL BANK OF INDIA, PEELAMEDU
IFSC CODE : CBIN0280913

CONTACT US



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