

**PROGRAMME**

09:30- 10:00 AM	Registration
Inaugural Session (10:00-11:40 A.M.)	
10:00- 10:10 AM	Tilawat-e-Qur'an-e-Kareem
10:10- 10:20 AM	Welcome address by Prof. Khalid Moin, Dean Faculty of Engineering & Technology, JMI
10:20-10:30 AM	Department Profile by Prof. Wequar A. Siddiqui, Head , Department of Applied Sciences and Humanities, JMI
10:30-10:40 AM	Address by Chief Guest, Prof. S.M. Rashid, Pro Vice Chancellor , JMI
10:40-10:50 AM	Vote of thanks by Dr. Mohd Mudassir Husain, Convener
10:50-11:00 AM	Inaugral address by Prof. Mohd Rafat , Chair Person
11:00-11:40 AM	Keynote presentation by Prof. Mushahid Hussain, Director , Centre for Nanoscience and Nanotechnology, JMI
Tea Break	
Technical Session –I (12:10-1:10 PM) Session Chair: Prof. Zulfequar , Head, Department of Physics, JMI	
12:10-12:40 PM	Prof. V.K. Jain Invited Talk
12:40-01:10 PM	Dr. A.K. Tiwari Invited Talk
LUNCH (Nehru Guest House)/ Namaz (01:10-02:15)	
Technical Session –II (02:15-04:05 PM) Participant Oral Presentations Session Chair: Prof. M.A.Wahab , Department of Physics, JMI	
02:15-02:25 PM	OP-1: Nidhi Goyal/IIT-DU N. Delhi
02:25-02:35 PM	OP-2: O.P Sinha/Amity N.Delhi
03:35-03:45 PM	OP-3: Natasha Singh/UIET, KUK
03:45-03:55 PM	OP-4: Mohd. Shahzad Khan/JMI N.Delhi
03:55-04:05 PM	OP-5: Shumaila Akram/ JMI N.Delhi
W1/Poster	OP- : Avshish Kumar/JMI N.Delh 1
W2/Poster	OP- : Kapil Arya/DU New Delhi
Technical Session –III (04:10-04-40) Participant Poster Presentations Session Chair: Dr. Zishan H. Khan , Department of Applied Science, JMI	
04:10-04:40 PM	Poster Presentations/Tea
04:40-05:00 PM	Certificates Distribution

Venue: Conference Hall, FTK-Centre for Information Technology



Technical Session – I (12:10-1:10 PM) Session Chair: Prof. Zulfequar , Head, Department of Physics, JMI INVITED LECTURES	
INVITED LECTURE-I 12:10-12:40 PM Duration 30 min.	
Professor V. K. Jain Amity Institute of Advanced Research and Studies; Amity University ,Noida	Title: Recent Applications of Micro and Nanotechnologies
INVITED LECTURE-II 12:40-01:10 PM Duration 30 min.	
Dr. Anjani K. Tiwari Division of Cyclotron & Radiopharmaceutical Sciences, Institute of Nuclear Medicine & Allied Sciences; N.Delhi-54	Title: Role of nanoparticles in cancer therapy and diagnosis

BREAK

Technical Session – II (02:15-4:05 PM) Session Chair: Prof. M. A. Wahab Department of Physics, JMI ORAL PRESENTATION	
OP-1: (02:15-02:25 PM) Ms. Nidhi Goyal /LIC-DU/IIT;N. Delhi	Highly Stable Titania Nanoparticle Dispersion Using Chitosan For Application In Self Cleaning Cotton Fabric.
OP-2: (02:25-02:35PM) Dr. O. P Sinha /Amity Univ. Noida	CdSe Nanoparticles Doped P3ht Polymer Nanocomposite For Organic Solar Cell.
OP-3: (03:35-03:45) PM Ms. Natasha Singh /UIET, KUK	Plethora Of Cyber Forensics.
OP-4: (03:45-03:55 PM) Mr. Mohd. Shahzad Khan /JMI N.Delhi	A DFT Study Of Interaction Of Hydrogen With Ti, Fe And Cr Decorated Borazine Complex For Hydrogen Storage
OP-5: (03:55-04:05 PM) Ms. Shumaila Akram / JMI N.Delhi	Synthesis & Characterizaion Of Selenium Nanofibres Doped Polyaniline Nanocomposites.
OP- : W1/Poster Mr. Avshish Kumar /JMI N.Delhi	Field Emission Study Of The Single Wall Carbon Nanotubes Grown On Fe Catalyst Film Using Pecvd System.
OP- : W2/Poster Mr. Kapil Arya /DU New Delhi	Confinement Of Organocatalyst In Carbon Nanotubes: Major Advance In Chironanotechnology.

**Poster Presentations****Technical Session – III (04:10 - 04:40 PM)**Session Chair : **Dr. Zishan H. Khan,**

Department of Applied Science, JMI

POSTER PRESENTATION

P. No.	Name (Prof./Dr/Mr/Ms)	Title of poster
P-1	O.P. Sinha	ZnO Nanoparticles Doped Pfo Polymer Nanocomposites As An Active Layers For Organic Light Emitting Diodes.
P-2	Avshish Kumar	Field Emission Study Of The Single Wall Carbon Nanotubes (Swcnts) Grown On Fe Catalyst Film Using Pecvd System.
P-3	Kapil Arya	Confinement Of Organocatalyst In Carbon Nanotubes: Major Advance In Chironanotechnology.
P-4	Arshi Amin	Preparation, Characterization, Thermodynamic Study Of Newly Synthesized Composite Cation Exchanger And Its Analytical Application For The Adsorption Of Aniline.
P-5	Narender Kumar	Characterization Of Copper Nanowires Grown By Template Synthesis Technique.
P-6	Mohammad Abdullah Dar	Study Of Structural, Morphology And Magnetic Properties Of $Mn_{0.5}Zn_{0.5}Fe_2O_4$ And Core-Shell Structured $Mn_{0.5}Zn_{0.5}Fe_2O_4$ /Pani Nano-Composites.
P-7	Irshad Ahmed	Study Of Structural And Electrical Properties Of Mg Doped Ni-Cu-Zn Nano-Ferrites Synthesized Via Sol-Gel Technique.
P-8	Firoz Ali Ansari	Finite Size Effect On The Magnetic Properties Of Ni-Zn Ferrite Nano-Particles Synthesized Via Coprecipitation And Reverse Micro-Emulsion Technique.
P-9	Pankaj Pathania	Designing And Simulation Of Variable Capacitor Using Mems Technology For Rf Application.
P-10	Pawan Kumar Verma	Optical Interconnect.
P-11	Shilpa Newati	Nanotechnology: A Future Or Present.
P-12	Devendra Verma	Synthesis Of Nickel Nanoparticles And Its Decomposition Property By Calcinations.
P-13	Naziruddin Khan	Annealing Effects On Morphology And Pl Property Of Porous Silicon Surface.
P-14	Ruchika Chauhan	Impedimetric Biosensor For Total Cholesterol Determination Based On Electropolymerised Nanocomposites.
P-15	Nidhi Goyal	Highly Stable Titania Nanoparticle Dispersion Using Chitosan For Application In Self Cleaning Cotton Fabric.
P-16	Ishu Sharma	Effect Of Thickness On The Optical Properties And Nonlinear Refractive Index In $Ge_{20}Se_{80-x}In_x$ ($x = 0, 5, 10$) thin films.
P-17	Preeti Rani	Photonic Crystal Based And Logic Gate.
P-18	Sanjeev Kumar	Comparative Study Of Electric Behavior Of Polytypic Materials.



P-19	Shreya Ganguly	Application Of Nanotechnology In Cancer Medicine.
P-20	Shumaila	Synthesis & Characterizaion Of Selenium Nanofibres Doped Polyaniline nanocomposites.
P-21	Kushagr Punyani	Biocompatible Gold Nanoparticles: A Promising Diagnostic Building Block For Sperm Health Analysis.
P-22	Md. Shahzad Khan	A DFT Study Of Interaction Of Hydrogen With Ti, Fe And Cr Decorated Borazine Complex For Hydrogen Storage.
P-23	Zishan H. Khan	Synthesis And Characterization Of Amorphous Ga _x Te _{100-x} Nanoparticles.
P-24	Deepa Rai	Effect Of Capping Agent On Photoconducting Response Of ZnO/P ₃ ht Blends.
P-25	Pradeep R. Varadwaj	Red- And Blue-Shifted Non-Covalent Interactions Revealed Upon Endohedral Confinement Of Alkali-Fluorides Within The Fullerene C ₆₀ Cage: A Density Functional Theory Investigation.
P-26	Shams Khwaja	Advanced Trends In Nanotechnology Regulation: Will India Play Others' Game-Plan?
P-27	Natasha Singh	Water Marking Process : A Review
P-28	Ramesh Chandra Yadav	Impact Of Metal Oxide Nanoparticles To Rice Plant At Elevated CO ₂ .
P-29	Maneesh Kumar	Carbon Dioxide Adsorption On Single Walled Bamboo-Like Carbon Nanotubes : A DFT Study.
P-30	Rajat Maheshwari	A Nanoscience Approach Towards Rational Development Of Traditional Medicines.
P-31	Kirti Saurabh	Nanoclay-Polymer Composites For Controlled Release Of Nitrogen And Metribuzin.
P-32	Ashraf Shah	Large Scale Production Of MgO Nanostructures And Their Possible Applications.
P-33	Tabassum Akhtar	Synthesis, Characterization and Analytical application of a fibrous type 'Polymeric-inorganic' Composite Cation-exchanger Nylon-6,6,Sn(IV)phosphate in application in making Hg(II) selective Membrane Electrode
P-34	M. A. Majeed Khan	Structural and optical characterization of nanocrystalline silicon thin films for solar cell applications