



**National Conference on
EMERGING TRENDS AND TECHNOLOGIES IN SCIENCES (NCETTS-2016)
March 25-26, 2016.**



Technical Programme



Friday, March 25, 2016

8.30 – 10.00 Registration & Welcome at Aggarwal College Ballabgarh

Inaugural Function (10.00am – 11.15am)

Venue: Auditorium, Aggarwal College Ballabgarh

Chief Guest: Dr. Manoj Umesh Sharma, Scientist-G, SSPL, DRDO, New Delhi		
Chairperson: Sh. Devender Kumar Gupta, President, Aggarwal College Ballabgarh		
Key note address: Prof. P.C. Sharma (Prof., University School of Biotechnology & Director, Research and Consultancy, Guru Gobind Singh Indraprastha University, New Delhi)		
Tea Break (11.15-11.45)		
First Session (11.45-1.15)		
Session Chairman: Prof. N.L. Singh (The Maharaja Sayajirao University of Baroda, Vadodara)		
11.45-12.15 IT	Nanopollution: Hype or Health Risk?	Prof. S.K. Chakarvarti
12.15-12.35 IT	Health effects of exposure to low-level Ionizing radiations from naturally occurring radioactive materials	Dr. Krishan Kant
12.35-12.45 O-16	Journey of Nanomaterial towards World of Fresh & Clean Water	Vanita Sapra
12.45-12.55 O-24	Synthesis, structural and magnetic properties of a new silicate mineral: pellyite ($Ba_2CaCo_2Si_6O_{17}$)	Shailindra Singh
12.55-1.05 O-1	Quaternion Analyticity of Generalized Proca-Maxwell's Equations	A. S. Rawat
1.05-1.15 O-2	Human Computer Interaction: A Study Of Interactive Tools And Techniques	Minakshi Garg
1.15-1.25 O-3	Study of radon and thoron concentration in the dwellings of Faridabad city Southern Haryana, India	Nitin Gupta
Lunch 1.25pm-2.00pm & Poster Display (P-1-P-14)		

SECOND SESSION : 2.00 – 3.30

Session Chairman: Dr. S.K. Chakarvarti, Former Prof. & Assoc. Dean R&D MRIU, Fbd.		
2.00-2.30 IT	How to Prevent Heart Disease	Dr. Neeraj Jain Metro Hospital, FBD
2.30-3.00 IT	Dosimetry of High-Energy Radiations	Dr. P. D. Sahare
3.00-3.10 O-4	Measurement of radiological dose due to concentration of uranium in water samples in Patiala and Fatehgarh district of Punjab	Sarabjot Kaur
3.10-3.20 O-5	Spectroscopic methods(IR, EPR and Electronic) for characterization of Homobinuclear 3d complexes	Nidhi Gupta

3.20-3.30 O-6	Spectroscopic Studies of homobinuclear and bivalent Transition metal complexes	Rachna Gupta
	Tea Break (3.30-4.00)	
	THIRD SESSION : 4.00-5.30	
Session Chairman:	Dr. P. D. Sahare (Department of Physics & Astrophysics, University of Delhi, Delhi)	
4.00-4.30 IT	Recent Trends in Nuclear Reactions Studies using High Energy Accelerator	Prof. N.L. Singh
4.30-5.00 IT	Measurement of EEC, Unattached Fraction and Equilibrium factor Radon and Thoron Concentration in Air	Rohit Mehra
5.00-5.10 O-7	Scattering Fragmentation Pattern of Aluminum Atom by Electron Impact	Praveen Bhatt
5.10-5.20 O-8	Study of SHI irradiation induced modification in structural and optical properties of Oxide based thin films	Manoj Kumar Jaiswal
5.20-5.30 O-9	Measurement of radon activity, exhalation rate and radiation doses in coal and fly ash samples from NTPC Badarpur, Delhi, India.	Mamta Gupta



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Saturday, March 26, 2016

FIRST SESSION : 9.40 – 11.30 (Venue : Auditorium)		
Session Chairman: Dr. Mahendra D. Shirsat, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad		
9.40-10.10 IT	Emerging Applications of Laser Technology	Dr. Lalita Gupta
10.10-10.40 IT	High Energy (MeV) Ion Fluence/Gamma Radiation Dose Dependent Nano Scale Free Volume Defects Studies of Polymeric Materials	Dr. Rajesh Kumar
10.40-10.50 O-10	Estimation of indoor radon from source data using different models and validation through measurement	Amit Kumar
10.50-11.00 O-11	Effect of Gamma irradiation on selenium nanowires	Suresh Panchal
11.00-11.10 O-12	Synthesis and Characterization of Cadmium Selenide Nanowires	Chetna Narula
11.10-11.20 O-13	Synthesis and Characterization of Electrodeposited CdSe Thin Film	Ritika Choudhary
11.20-11.30 O-14	Structural Properties of Copper Nanowires: Effect of Diameter	Anita Rani
Tea Break (11.30-12.00) Poster Display (P-15-onwards)		
Second Session 12.00-1.50		
Session Chairman: Dr. R.P. Chauhan (Department of Physics, National Institute of Technology, Kurukshetra)		
12.00-12.30 IT	Sensor Array based on Porphyrins functionalized SWNTs	Dr. Mahendra D Shirsat
12.30-1.00 IT	Exploring emotional domain of Chemistry	Prof. Ranjana Aggarwal
1.00-1.10 O-15	Study of natural radioactivity and radon exhalation rates in Indian building constructions materials and estimation of radiation doses	Rati Varshney
1.10-1.20 O-22	Swift Heavy Ion Induced Modifications of Some Track Detector Polymers	Sanjeev Kumar Gupta
1.20-1.30 O-17	Development of Thermally Stable Coordinated Polymer using Polyurethane as a Ligand and Divalent metal ION	Laxmi
1.30-1.40 O-18	Degradation of LLDPE in presence of Nano catalysts	Beena Sethi
1.40-1.50 O-19	Particle Size dependent Dielectric properties of PbTiO ₃ -Ni _{0.5} Co _{0.5} Fe ₂ O ₄ composites	Sushma Lather
Lunch 1.50-2.30		

SECOND SESSION : 2.30 – 4.20 (Venue : Auditorium)		
Session Chairman: Dr. Rajesh Kumar (University School of Basic & Applied Sciences, Guru Gobind Singh Indraprastha University, New Delhi)		
2.30-3.00 IT	Mathematical logic and Fuzzy logic	Dr. S.C. Arora
3.00-3.30 IT	Environmental radon: measurement and remediation techniques	Dr. R.P. Chauhan
3.30-3.50 IT	Exposure to Ionizing Radiation and Impact on Human Health	Dr. Ajay Kumar Garg
3.50-4.00 O-20	SHI induced modifications in Copper doped ZnO thin film grown by Solution growth technique	Arindam Ghosh
4.00-4.10 O-21	vPro: An Enhanced way to secure and manage IT Equipment's	Usha Rani
4.10-4.20 O-23	Study of Characteristics of Gravity Waves	Ajit Singh Yadav

Valedictory Function: 4.20-5.30

Chief Guest: Prof. Dinesh Kumar, Hon'ble Vice-Chancellor, YMCAUST, Fbd		
Chairperson: Dr. Krishan Kant, Principal, Aggarwal College Ballabgarh		
Guest of Honour: Sh. Mool Chand Mittal, Executive Member, Governing Body, Aggarwal College Ballabgarh		
4.20-5.30	-Summary of the Conference - Delegates' Feedback - Valedictory Speech - Vote of Thanks - Wrap Up - National Anthem	