



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)

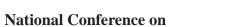
Venue: Auditorium, Aggarwal College Ballabgarh

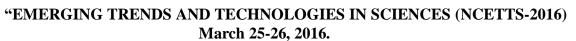
Chief Guest	: Dr. Manoj Umesh Sharma, Scientist-G, SSPL, DRDO, New	Delhi	
	Chairperson: Sh. Devender Kumar Gupta, President, Aggarwal College Ballabgarh		
Key note add	Key note address: Prof. P.C. Sharma (Prof., University School of Biotechnology & Director,		
Research and	Research and Consultancy, Guru 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 Unive	ersity 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 ₂ CaCo ₂ Si ₆ O ₁₇)	Shailndra 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

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









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Saturday, March 26, 2016

	FIRST SESSION: 9.40 – 11.30 (Venue: Auditorium)		
Session Chair	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	Mathematical logic and Fuzzy logic	Dr. S.C. Arora	
IT			
3.00-3.30	Environmental radon: measurement and remediation	Dr. R.P. Chauhan	
IT	techniques		
3.30-3.50	Exposure to Ionizing Radiation and Impact on Human	Dr. Ajay Kumar	
IT	Health	Garg	
3.50-4.00	SHI induced modifications in Copper doped ZnO thin film	Arindam Ghosh	
O-20	grown by Solution growth technique		
4.00-4.10	vPro: An Enhanced way to secure and manage IT	Usha Rani	
O-21	Equipment's		
4.10-4.20	Study of Characteristics of Gravity Waves	Ajit Singh Yadav	
O-23	·		

Valedictory Function: 4.20-5.30

Chief Guest:	Prof. Dinesh Kumar, Hon'ble Vice-Chancellor, YMCAUST, Fbo	d
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	