



# International Multi-Track Conference on Sciences, Engineering and Technical Innovations: IMTC-15

**Venue: Seminar Hall (CTIT)**

## Track 4: Applied Sciences

Day 1: (22 May 2015)

Time: (2.00 PM -5.30 PM)

### Technical Session 1: (Chemistry & EVS)

**Session Chair** : Prof. (Dr.) N C Kothiyal , Professor, Dept. of Chemistry, NIT Jalandhar &  
Prof. (Dr.) B S Kaith, Professor, Dept. of Chemistry, NIT Jalandhar

**Plenary Talk** : Dr. N. C. Kothiyal

**Title** : Graphene oxide- Cement nano-composite as a new Generation Building Material

**Plenary Talk** : Dr. B. S. Kaith

**Title** : Smart Polymer

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Polymers as Micro/Nano Ensembles and its Characterization	IMTC-T4-01	Dr. S Amrita Kaur, Assistant Professor, Khalsa College Amritsar	Oral
2.	Enhancing Solubility of Poorly Water Soluble Drugs with Surfactants by Micellization	IMTC-T4-04	Mr. Nirmal Singh, Research Scholar, SBSSTC, Ferozepur	Oral
3.	Thermal analysis of swift heavy ion irradiated poly ethylene naphthalate	IMTC-T4-06	Dr. Kusam Devgan, Associate Professor, SR Govt College for Women, Amritsar	Oral



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(PEN)				
4.	Advanced Adsorption Materials for waste water treatment (Dye)	<b>IMTC-T4-05</b>	Renuka, Research Scholar, NIT Jalandhar	<b>Oral</b>
5.	Removal of Chlorinated Resin and Fatty Acids from Paper Mill Wastewater through Photocatalysis	<b>IMTC-T4-20</b>	Dr Praveen Kumar, Amizone Coordinator - ASAS, Amity School of Earth and Environmental Sciences, Amity University Haryana.	<b>Oral</b>
6.	Qualitative and Quantitative Estimation of carcinogenic PAHs emission pattern generated by three wheeler standing vehicles	<b>IMTC-T4-22</b>	Dr. Vaneet Kumar, Assistant Professor, CT Group of Institutions, Jalandhar	<b>Oral</b>
7.	Green Synthesis: The Need of Tomorrow	<b>IMTC-T4-23</b>	Mr. Pankaj Vikas, Dean Student Affairs, CT Group of Institutions, Jalandhar	<b>Oral</b>
8.	Enzymatically synthesis and characterization of Gum tragacanth based interpenetrating polymer network hydrogel	<b>IMTC-T4-24</b>	Dr. Vaneet Kumar, Assistant Professor, CT Group of Institutions, Jalandhar	<b>Oral</b>
9.	Self Assembled Monolayers -A Review	<b>IMTC-T4-26</b>	Dr. Rakesh Kumar, Assistant Professor, CT Group of Institutions, Jalandhar	<b>Oral</b>



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**Day 2 (23<sup>rd</sup> may 2015)**

**Time: (10.45 AM-1.00 PM)**

**Technical Session 2: Physics**

**Session Chair** : Dr. A. K. Paul, Scientist, CSIR-CSIO

**Plenary Talk** : Dr A. K. Paul

**Title** : Bio Nanophotonics: New sensing tool for Environmental Monitoring

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Equivalent Atomic Numbers for Some Polymers	IMTC-T4-02	Ms. Renu Sharma, Research Scholar, MM University, Mullana, Ambala	Oral
2.	$\Delta I=2$ Staggering In Super Deformed Nuclei in A=130 Mass Region	IMTC-T4-09	Dr. Neha Sharma, Assistant Professor , CT Group of Institutions, Jalandhar	Oral
3.	Effect on Physical Parameters of Ge-Sn-Se Glass System with Compositional Variations	IMTC-T4-14	Ms. Surbhi Sharma, Research Scholar, PTU, Kapurthala	Oral
4.	A review on Graphene Nanoribbons(GNRs)	IMTC-T4-15	Ritin Jhamb, Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, India	Oral



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**Day 2 (23<sup>rd</sup> May, 2015)**

**Time: (1:00PM-2:15PM)**

**Technical Session 3 : (Mathematics)**

**Session Chair** : Dr. R.R. Sinha, Assistant professor, NIT Jalandhar

**Plenary Talk** : Dr. R.R. Sinha

**Title** : Estimation of Population parameters under large sample approximation

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Method for Extracting Simple Descriptions of High Dimensional Data Sets in the Form of Simplicial Complexes	IMTC-T4-03	Ms. Meera Aggarwal, Assistant Professor, Apeejay College of Fine Arts, Jalandhar	Oral
2.	Uniform Asymptotic Stability of Non-autonomous System by using Lyapunov function	IMTC-T4-08	Mr. Palwinder Singh, Research Scholar, PTU, Kapurthala	Oral
3.	Study of Recent Application of Mathematics in Engineering and Technology	IMTC-T4-13	Mr. Beant Singh, Research Scholar, SBSSTC, Ferozepur	Oral
4.	Halley's Method as a better alternative to Newton Raphson's	IMTC-T4-18	Ms. Rashmi Tiwari, Assistant Professor, CTIEMT, Jalandhar	Oral



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Method

5. Different Types of theories in  
elasticity

**IMTC-T4-19**

Dr. Swaranjit Kaur, Associate Professor,  
SR Govt College for Women, Amritsar

**Oral**