

Poster Schedule on 07/03/2025 Category CP6, CP9, CP10

S. No.	Reg. ID	Abstract Book ID	Name	Affiliation	Paper Category	Paper Tittle
1	000_1	CP-06-01	Pankaj Misra	RRCAT	CP6	Structural, electrical and optical properties of phosphorous doped ZnO thin films grown by pulsed laser deposition
2	71_1	CP-06-02	Dr. Pankaj Misra	Raja Ramanna Centre for Advanced Technology, Indore	CP6	Development of arc flash detection system using Ga2O3 based solar blind ultraviolet photodetectors
3	180_1	CP-06-03	Dr Avnish Kumar Sharma	RRCAT Indore	CP6	Application of thin glass plate based ronchigrams for estimation of air refractive index
4	280_1	CP-06-04	Ambar Choubey	RRCAT	CP6	Role of laser induced graphene on durability of textured SiC surface
5	329_2	CP-06-05	Uday Chakravarty	RRCAT	CP6	Femtosecond laser formed hierarchical micro/nano cauliflower structures on copper surfaces for enhanced thermoplasmonic response
6	337_4	CP-06-06	Suman K Mishra	BARC Mumbai	CP6	Studies on thermoelectric properties of CNT fibers by laser irradiation
7	605_2	CP-06-07	LWITHWSA SWARGIARY	IIT GUWAHATI	CP6	Measurement of thermo-optic and non-linear refractive index coefficient of PLD lithium tantalate thin film via z-scan
8	606_1	CP-06-08	ANKAN PRAMANIK	IIT GUWAHATI	CP6	Nonlinear refractive index coefficient measurement via spatial self-phase modulation of a laser beam passing through a commercial liquid
9	638_1	CP-06-09	Pooja kumari	IIT GUWAHATI	CP6	Influence of oxygen on the structural and optical properties of titanium doped indium tin oxide thin film deposited using pulsed laser deposition
10	854_1	CP-06-10	BALAMURUGAN R	KUMARAGURU COLLEGE OF TECHNOLOGY,COIMBATORE-641049	CP6	Tribological study of Al7071 and Al6061 alloys using pin-on-disc wear testing and laser speckle method
11	854_2	CP-06-11	BALAMURUGAN R	KUMARAGURU COLLEGE OF TECHNOLOGY,COIMBATORE-641049	CP6	Deformation measurement in glass plates by Michelson Interferometer
12	856_1	CP-06-12	Ch. Prem Singh	RRCAT	CP6	Laser cladding of colmonoy-5 on P91 steel using laser directed energy deposition
13	1212_1	CP-06-13	Diksha Jaurker	Indian Institute of Technology Indore	CP6	Influence of laser texturing on sliding triboelectric nanogenerator for vibration sensing
14	1295_2	CP-06-14	Sanjay Kumar Mishra	RRCAT	CP6	Process parameter optimization and evaluation of mechanical and metallurgical properties of commercially pure Titanium Cp-Ti grade-4 using laser powder bed fusion system
15	1314_1	CP-06-16	SUNIL KUMAR	RRCAT	CP6	Effect of substrate temperature on mechanical properties of LPBFbuilt SS 316L steel
16	1322_1	CP-06-17	Sabir Ali	RRCAT indore	CP6	Laser polishing of LDED 3D printed stellite 21 alloy for post processing
17	1345_1	CP-06-18	Sampa Sutradhar	RRCAT	CP6	Effect of pulsed laser irradiation on the reduction of graphene oxide nanoflakes
18	1423_1	CP-06-19	C. Zothansanga	Mizoram University	CP6	Optical transition and upconversion luminescence in Er ³⁺ /Yb ³⁺ doped alumino-silicate glasses
19	1427_1	CP-06-20	Beckham Zathang	Mizoram University	CP6	Spectral characteristic and energy transfer studies between RhB and CV dyes in aqueous solution

20	1448_1	CP-06-21	SHIVAM KUMAR	Indian Institute of Technology Indore	CP6	Inhomogeneous laser heating in Spinel Co ₃ O ₄ nanoparticles: Manifestation through asymmetric Raman line-shape
21	1459_1	CP-06-22	Anjali Mehto	Dr. Harisingh Gour University, Sagar (M.P.)	CP6	Mueller matrix polarimetric investigation ofPVA/ZnO nanocomposite film
22	1501_1	CP-06-23	HIMANSHU SHARMA	Indian Institute of Technology Indore	CP6	Evaluating the effects of laser nitriding on NiTi shape memory alloy fabricated by wire arc additive manufacturing
23	1505_1	CP-06-24	Arun Kumar Rai	RRCAT	CP6	Effect of laser shock peening on fatigue properties of L-PBF built 17-4 PH steel
24	1511_1	CP-06-25	Dr. Shilpam Sharma	RRCAT	CP6	Development of infrared free electron laser (IR-FEL) based experimental facilities in RRCAT
25	1519_1	CP-06-26	MANAMI	HOMI BHABA NATIONAL INSTITUTE	CP6	UV light enhanced NH ₃ gas sensing at room temperature using ZnO nanorods
26	290_1	CP-09-01	Dr Sheo Mukund	BARC, Mumbai	CP9	Observation of a new vibronic level of ² Σ ⁺ excited electronic state in LuO
27	702_1	CP-09-02	ATULA CHARAN SAHOO	BHABHA ATOMIC RESEARCH CENTRE	CP9	Autoionization levels of gadolinium in the energy region 50300-50450 cm ⁻¹
28	736_1	CP-09-03	Aparna Tiwari	University of Allahabad	CP9	Rapid chemo-specific sensing of arsenate ion via ninhydrin functionalized silver nanoparticles with surface enhanced Raman spectroscopy
29	766_1	CP-09-04	Shristi Sharma	University of Allahabad	CP9	Potential of confocal micro-Raman spectroscopy for the comparative assessment of phytochemicals of the different colour Zucchini
30	884_1	CP-09-05	Varun Bali	Shri Mata Vaishno Devi University, Kakryal, J&K	CP9	Laser-induced breakdown spectroscopic studies of fingernails of chronic kidney disease patients
31	1096_1	CP-09-06	Ajith A	University of Kerala	CP9	Non-destructive detection of turmeric adulteration using laser induced breakdown spectroscopy: A comprehensive study
32	1145_1	CP-09-07	SHIMUL BISWAS	Manipal School of Life Sciences, Manipal Academy of Higher Education	CP9	Mimicking tumor microenvironments: A photoacoustic and fluorescence Study of structural proteins
33	1146_1	CP-09-08	AMEERA K	Department of Biophysics, Manipal School of Life Sciences, Manipal Academy of Higher Education	CP9	Fluorescence-based analysis of glycation in proteins: Structural insights
34	1173_1	CP-09-09	ANJU ABRAHAM P	University of Kerala	CP9	Real-time detection of iron in water using a mode-mismatched thermal lens setup: A sensitive approach for environmental monitoring
35	1220_1	CP-09-10	SHRUTI SHUKLA	UNIVERSITY OF ALLAHABAD	CP9	Non-destructive characterization of dairy butter using laser induced fluorescence spectroscopy
36	1352_1	CP-09-11	Shivani Malvi	UGC DAE CSR INDORE	CP9	Optical spectroscopy studies of bismuth-based mixed halide perovskite
37	1403_1	CP-09-12	Vasudeva M	Department of Atomic and Molecular Physics	CP9	Weathering effects on microplastic - heavy metal interactions in mangroves: Insights from bimodal LIBS-Raman spectroscopy
38	1407_3	CP-09-13	Dr. P Chandrakanta Singh	Institute for Plasma Research, Gandhinagar	CP9	Analysis of LIBS signals on laser induced textured surface
39	1409_1	CP-09-14	Aditi Kolapkar	Indian Institute of Technology Kharagpur	CP9	Detection of skin cancer using infrared and Raman spectroscopy

40	1413_1	CP-09-15	HEMRAJ BHAI PATEL	Indian Institute of Technology (Indian School of Mines) Dhanbad	CP9	Laser scattering analysis: A rapid method for detecting diesel adulteration in petrol
41	1422_1	CP-09-16	SUJIT RAJAK	IISER KOLKATA	CP9	Experimental observation of spin-dependent dispersion of light in plasmonic crystals
42	1426_1	CP-09-17	Sagar Shayer Yaar	Indian Institute of Technology Ropar	CP9	Studying the interaction of amino acid with lipid monolayer at air-water interface using nonlinear sum frequency generation vibrational spectroscopy
43	1437_1	CP-09-18	Sitara Khan Teli	IIT Ropar	CP9	Investigation of interfacial water structure of binary liquid mixtures by nonlinear vibrational SFG spectroscopy
44	1439_1	CP-09-19	Deb Kumar Rath	IIT Indore	CP9	Non-Fano-type wavelength and power-dependent Raman manifestation of resonant electron-phonon interaction
45	1442_1	CP-09-20	H S Patel	Raja Ramanna Centre for Advanced Technology	CP9	Numerical simulation of plasmonic response of close packed nano structures
46	1445_1	CP-09-21	Sharmistha	IIT INDORE	CP9	Unveiling microscopic features of exfoliated MoSe via Raman spectroscopy
47	1449_1	CP-09-22	Diksha Garg	RRCAT, INDORE	CP9	Investigations of plasma signal stability in fiber-optic laser-induced breakdown spectroscopy setup
48	1464_1	CP-09-23	Kuldeep Barwa	IIT INDORE	CP9	Anisotropic tetragonal phase transitions in SrTiO ₃ via polarized Raman spectroscopy
49	1469_1	CP-09-24	Yagya Raj Subedi	Indian Institute of Technology Ropar	CP9	Specific ion effect in binary mixture using Raman spectroscopy
50	1474_1	CP-09-25	Rahul Aggarwal	Raja Ramanna Centre for Advanced Technology	CP9	Raman spectroscopic investigation of oxides formation in the pulsed lasertreated mild steel sheet
51	1480_1	CP-09-26	Mrunmayee Wankhede	Manipal School of Life Sciences	CP9	Autofluorescence spectroscopy based identification of nucleosides
52	220_1	CP-10-01	VIJAY KUMAR	RRCAT INDORE	CP10	Transmission Raman spectroscopy for authenticating the active pharmaceutical ingredient in coated azithromycin tablets
53	310_1	CP-10-02	Anita	RRCAT	CP10	Quantitative detection of palm oil adulteration in ghee by Raman spectroscopy
54	311_1	CP-10-03	Amrita Srivastava	RRCAT	CP10	Fluorescence spectroscopy for rapid detection of palm oil adulteration in mustard oil
55	348_1	CP-10-04	Chhavi Baran	University of Allahabad	CP10	Potential of the laser induced fluorescence spectroscopy for the plant stress detection of pea plants (<i>Pisum sativum L.</i>) exposed to silicon dioxide nanoparticles
56	357_1	CP-10-05	Aradhana Tripathi	University of Allahabad	CP10	Non-destructive assessment of the biochemical alteration in maize leaves exposed to silicon dioxide nanoparticles using confocal micro-Raman spectroscopy
57	497_1	CP-10-06	Nitin Kumar	RRCAT	CP10	A novel motion-free approach utilizing line-focus illumination for depthresolved Raman spectroscopy
58	708_1	CP-10-07	Nirmal Mazumder	Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, India	CP10	Development of Stokes-Mueller polarimetry integrated with machine learning for tissue characterization
59	717_1	CP-10-08	AJEETKUMAR PATIL	Manipal Academy of Higher Education	CP10	Ultra-sensitive laser-induced fluorescence detection for the quantification of branched-chain amino acids
60	767_1	CP-10-09	K. N. Uttam	Department of Physics	CP10	Pigment profiling of avocado fruit by laser Induced fluorescence spectroscopy
61	868_1	CP-10-10	Pratik Prataprao Deshmukh	RRCAT	CP10	Development of LaF ₃ :Tb ³⁺ , Yb ³⁺ upconversion nanoparticles coated with Rose Bengal as a strategy for NIR-driven photodynamic therapy

62	890_1	CP-10-11	Bhumika Sharma	Raja Ramanna Centre for Advanced Technology, Indore	CP10	Exploring antimicrobial photodynamic therapy (aPDT) using Rose Bengal coated zinc oxide nanoparticles against methicillin-resistant <i>Staphylococcus aureus</i>
63	922_1	CP-10-12	Sourabrata Chakraborty	Raja Ramanna Centre for Advanced Technology	CP10	Exosome-mediated delivery of curcumin for enhanced photodynamic efficacy against breast cancer cells
64	931_1	CP-10-13	Sai Sarbani Mund	Raja Ramanna Centre for Advanced Technology	CP10	Investigations on effect of probiotic cell free supernatants on methicillin resistant <i>Staphylococcus aureus</i> using Raman spectroscopy
65	1222_1	CP-10-14	SHRAYASHI PANDEY	UNIVERSITY OF ALLAHABAD	CP10	Label free mapping of the phytochemicals in different colour potatoes by confocal Raman microspectroscopy
66	1267_1	CP-10-15	Sucheta Biswas	HBNI, RRCAT	CP10	Detection of Sudan I adulteration in red chilli powder using drop coating deposition Raman spectroscopy
67	1311_1	CP-10-16	Priya Dangi	Raja Ramanna Centre for Advanced Technology	CP10	DNA origami-based SERS substrate: A metal-free approach
68	1344_1	CP-10-17	Aparna Dubey	HBNI, RRCAT	CP10	Photosensitizing activity of Simarouba glauca leaf extract against MRSA: An <i>in-vitro</i> study
69	1346_1	CP-10-18	Vishali Shivgotra	HBNI RRCAT	CP10	Hyperspectral imaging analysis of postbiotic-induced metabolic alterations in human adipose-derived mesenchymal stem cells
70	1360_1	CP-10-19	Ranjana Singh	DAVV, Indore	CP10	Effect of red LED irradiation on seed germination and early seedling growth in Chickpea (<i>Cicer arietinum L.</i>)
71	1420_3	CP-10-20	ABHI SARIKA	Dr. Shakuntala misra National Rehabilitation University, Lucknow	CP10	Biochemical profiling of onion bulb scales using FT-Raman spectroscopy
72	1462_1	CP-10-21	Nidhi Maharwal	Raja Ramanna Centre for Advanced Technology, Indore	CP10	Optimizing light irradiation parameters for insulin secretion in optogenetically modified β cells
73	1481_1	CP-10-22	Sreeya Devarakonda	Manipal School of Life Sciences, MAHE	CP10	Probing the influence of low-level laser therapy on neuroblastoma cell line protein biomarkers by autofluorescence spectroscopy
74	1500_1	CP-10-23	Hardik Garg	LBAD, RRCAT Indore	CP10	Cinnamaldehyde augments methylene blue-mediated photodynamic inactivation of MRSA
75	1504_1	CP-10-24	Bhavika Dattatray Vispute	LBAD, RRCAT INDORE	CP10	Track-etched membranes as flexible SERS Substrates: A preliminary study