



Publications (January 2008 to June 2008)

A. Journal Articles

- Ahlawat S., Dasgupta R., Gupta P.K.
Optical trapping near a colloidal cluster formed by a weakly focused laser beam
Journal of Physics D: Applied Physics **41**, 105107-1-5 (2008)
- Ajimsha R.S.*, Jayaraj M.K.*, Kukreja L.M.
Electrical characteristics of n-ZnO/p-Si heterojunction diodes grown by pulsed laser deposition at different oxygen pressures
Journal of Electrical Materials **35**, 770-775 (2008)
- Banerjee Arup, Harbola M.*
Hydrodynamical approach to collective oscillations in metal clusters
Physics Letters A **372**, 2881-86 (2008)
- Bansod T., Shukla S.K., Kumar K.V.A.N.P.S., Kotaiah S.
Study of initial dynamic pressure rise behaviour in Indus-2
Journal of Physics: Conference Series **114**, 012027 (2008)
- Barman S.R.*, Chakravarti A.
Physical and electronic structure and magnetism of Mn_2NiGa : experiment and density-functional theory calculations
Physical Review B **77**, 176401-1-5 (2008)
- Bhaumik I., Ganesamoorthy S., Bhatt R., Karnal A.K., Wadhawan V.K.*, Gupta P.K., Kumaragurubaran S.*, Kitamura K., Takekawa S.*, Nakamura M.*
Dielectric and ac conductivity studies on undoped and MgO doped near-stoichiometric lithium tantalate crystals
Journal of Applied Physics **103**, 074106-1-6 (2008)
- Bhaumik I., Ganesamoorthy S., Bhatt R., Karnal A.K., Wadhawan V.K.*, Gupta P.K., Kitamura K., Takekawa S.*, Nakamura M.*
The ferroelectric phase transition in lithium tantalite single crystals: a composition-dependence study
Journal of Applied Physics **103**, 014108-1-4 (2008)
- Chakraborty R.*, Raja S.S., Ghosh, A.*
Incomplete annular beam
Optical Engineering **47**, 028002-1-6 (2008)
- Chatterjee S., Kumar P.Y.
Simple technique for the measurement of two-dimensional linear retardation distributions of wave plates with a phase-shifting Nomarski prism
Applied Optics **47**, 874-882 (2008)
- Chatterjee S., Kumar P.Y.
Simple technique for the generation of white light Young's fringes with a cyclic optical configuration
Applied Optics **47**, 2956-2960 (2008)
- Chattopadhyay M.K., Roy S.B.
Metamagnetic transition and the anomalous virgin magnetization curve in $Ce(Fe_{0.96}Ru_{0.04})_2$
Journal of Physics: Condensed Matter **20**, 025209-1-6 (2008)
- Chattopadhyay M.K., Sharma V.K., Roy S.B.
Thermomagnetic history dependence of magnetocaloric effect in $Ni_{50}Mn_{34}In_{16}$
Applied Physics Letters **92**, 022503-1-3 (2008)
- Chauhan Y.*, Tiwari M.K., Puri S.*
 L_i ($i = 1-3$) subshell X-ray production cross sections and fluorescence yields for some elements with $56 \leq Z \leq 68$ at 22.6 keV
Nuclear Instruments & Methods in Physics Research: Section B **266**, 30-36, (2008)
- Chaube R.
Design criteria and numerical analysis of a stable dye laser with a curved flow cell
Optical Engineering **47**, 014301-1-7 (2008)
- Das M.*, Trivedi R.*, Sen P.K.*, Khattak B. Q., Shankar P.R., Prasad R.*, Sen P.*
Geometry optimization and second harmonic generation in para-nitroaniline formamide adduct
Journal of Nonlinear Optical Physics and Materials **17**, 85-96 (2008)
- Dhaka R.S.*, Biswas C.*, Shukla A.K.*, Barman S.R.*, Chakrabarti A.



- Xe and Ar nanobubbles in Al studied by photoemission spectroscopy
Physical Review B **77**, 104119-1-12 (2008)
17. Dixit S.K., Mahakud R., Prakash O., Biswal R., Mittal J.K.
Role of optical resonator on the pointing stability of copper vapor laser beam
Optics Communications **281**, 2590-97 (2008)
18. Dixit V.K., Ganguli T., Sharma T.K., Singh S.D., Kumar R., Porwal S., Tiwari P., Ingale A., Oak S.M.
Effect of two step growth process on structural, optical and electrical properties of MOVPE grown GaP/Si
Journal of Crystal Growth **310**, 3428 (2008)
19. Ganesamoorthy S., Bhaumik I., Bhatt R., Karnal A. K., Gupta P.K., Kumaragurubaran S.*, Mohankumar R.*, Kitamura K.*, Takekawa S.*, Nakamura M*.
A comparative study of dielectric relaxation in $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6/\text{Sr}_{0.75}\text{Ba}_{0.25}\text{Nb}_2\text{O}_6$
Japanese Journal of Applied Physics Part 1 **47**, 1012-15 (2008)
20. Ganguli T., Ingale A.
Lineshape analysis of ZnSe longitudinal optical phonons near the E_0 gap excitation of epitaZnSe/GaAs(001)
Physical Review B **77**, 033202-1-4 (2008)
21. George M.*, Muneera C.I.*, Singh. C.P., Bindra K.S., Oak S.M.
Z-scan studies and optical limiting of nanosecond laser pulses in neutral red dye
Optics & Laser Technology **40**, 373-378 (2008)
22. Ghodke D.V., Chatterjee K. *, Fernandes B.G.*
Modified one-cycle controlled bidirectional high-power-factor AC-to-DC converter
IEEE Transactions on Industrial Electronics **55**, 2459-72 (2008)
23. Ghodke D.V., Chatterjee K. *, Fernandes B.G.*
Three-phase three level, soft switched, phase shifted PWM DC--DC converter for high power applications
IEEE Transactions on Power Electronics **23**, 1214-1227 (2008)
24. Ghosh H.
Ground and excited state nonlinear optical properties of poly(-para phenylene vinylene)
Synthetic Metals **158**, 320-329 (2008)
25. Gilankar S.G., Kush P.K.
Experimental verification of capture coefficients for a cylindrical cryopanel of closed cycle refrigerator cryopump
Journal of Physics: Conference Series **114**, 012058 (2008)
26. Irimpan L.*, Deepthy A.*, Krishnan B.*, Kukreja L.M., Nampoori V.P.N.*, Radhakrishnan P.*
Effect of self assembly on the nonlinear optical characteristics of ZnO thin films
Optics Communications **281**, 2938-43 (2008)
27. Jain A., Sharma D.K., Gupta A.K., Hannurkar P.R.
High power solid state rf amplifier for proton accelerator
Review of Scientific Instruments **79**, 014702-1-7 (2008)
28. Jayabalan J., Singh M.P., Banerjee A., Rustagi K.C.*
Linear and nonlinear second-order polarizabilities of hemispherical and sector-shaped metal nanoparticles
Physical Review B **77**, 045421-1-10 (2008)
29. Jayasankar C.K. *, Balakrishnaiah R. *, Venkatramu V. *, Joshi A.S., Speghini A. *, Bettinelli M.*
Luminescence characteristics of Nd^{3+} -doped K- Ba-Al-fluorophosphate laser glasses
Journal of Alloys and Compounds **451**, 697-0 (2008)0
30. Guo-Liang J. *, YU W. *, Li Ying-Jun*, Senecha V., Zhao-Yang C. *, An-Le L.*
Acceleration of initially moving electrons by a copropagation intense laser pulse
Chinese Physics Letters **25**, 2147-50 (2008)
31. Joshi M.P., Raj Mohan S., Dhami T.S., Jain B., Singh M.K., Ghosh H., Shripathi T. *, Deshpande U.P.*
Enhanced optoelectronic properties of UV-light-induced photodegraded TPD
Applied Physics A: Materials Science and Processing **90**, 351-358 (2008)
32. Kar S., Verma S., Bartwal K.S.



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- Investigations on the optical homogeneity of LBO crystals
Cryst. Res. & Technol. **43**, 438-442 (2008)
33. Kohli D.K., Khardekar R.K., Singh R., Gupta P.K.
Glass micro container based hydrogen storage scheme
International Journal of Hydrogen Energy **33**, 417-422 (2008)
34. Kumar U.K.*, Babu P.*, Jang K.H.*, Seo H.J.*, Jayasankar C.K.*, Joshi A.S.
Spectroscopic and 1.06 μ m laser properties of Nd³⁺-doped K-Sr-Al phosphate and fluorophosphates glasses
Journal of Alloys and Compounds **458**, 509- (2008)
35. Late D.J.*, Date K.S.*, More M.A.*, Misra P., Singh B.N., Kukreja L.M., Dharmadhikari C.V.*, Joag D.S.*
Enhanced field emission from LaB₆ thin films with nanoprotuberances grown by pulsed laser deposition on Zr foil.
Applied Surface Science **254**, 3601-05 (2008)
36. Late D.J.*, Date K.S.*, More M.A.*, Misra P., Singh B.N., Kukreja L.M., Dharmadhikari C.V.*, Joag D.S.*
Some aspects of pulsed laser deposited nanocrystalline LaB₆ film: atomic force microscopy, constant force current imaging and field emission investigations
Nanotechnology **19**, 265605- (2008)
37. Lei A.*, Yu W.*, Tian Y. *, Xu H. *, Wang X. *, Yang X. *, Senecha V.K.
Effect of focus position on a high intensity laser propagation in a dense plasma
Journal of Physics: Conference Series **112**, 1-4 (2008)
38. Manekar M., Roy S.B.
Nucleation and growth dynamics across the antiferromagnetic to ferromagnetic transition in (Fe_{0.975}Ni_{0.025})₅₀Rh₅₀: analogy with crystallization
Journal of Physics: Condensed Matter **20**, 325208- (2008)
39. Manivannan S.*, Dhanuskodil S.*, Tiwari S.K., Philip J.*
Laser induced surface damage, thermal transport and microhardness studies on certain organic and semiorganic non linear optical crystals
Applied Physics B: Lasers and Optics **90**, 489-96 (2008)
40. Mishra S.R., Ram S.P., Tiwari S.K., Mehendale S.C.
Enhanced atom transfer in a double magneto-optical trap setup
Physical Review A **77**, 065402- (2008)
41. Misra P., Ranganathan K., Oak S.M.
High efficiency TEM₀₀ mode, diode-pumped, conduction-cooled, Nd:YAG zig-zag slab laser
Optics Communications **281**, 658-662 (2008)
42. Misra P., Sharma T.K., Kukreja L.M.
Temperature dependent photoluminescence processes in ZnO thin films grown on sapphire by pulsed laser deposition.
Current Applied Physics, 1-5 (2008)
43. Mohanty S.K., Uppal A., Gupta P.K.
Optofluidic stretching of RBCs using single optical tweezers
Journal of Biophotonics, 1-5 (2008)
44. Mondal P., Manekar M., Kumar Ravi, Ganguli T., Roy S.B.
Superconducting properties of nanocrystalline Nb₃Al in Nb-Al matrices
Applied Physics Letters **92**, 052507-1-3 (2008)
45. Naik S.R., Rai S., Tiwari M.K., Lodha G.S.
Structural asymmetry of Si/Fe and Fe/Si interface in Fe/Si multilayers
Journal of Physics D: Applied Physics **41**, 115307 (2008)
46. Pandiyar M.L., Prasad M., Jain S.K., Kumar R., Hannurkar P.R.
Ultra high vacuum test setup for electron gun
Journal of Physics: Conference Series **114**, 012061- (2008)
47. Pareek R., Kumbhare M.N., Mukherjee C., Joshi A.S., Gupta P.D.
Effect of oil vapor contamination on the performance of porous silica sol-gel antireflection-coated optics in vacuum spatial filters of high-



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- power neodymium glass laser
Optical Engineering **47**, 023801-1-5 (2008)
48. Paul C.P., Khajepour A.*
Automated laser fabrication of cemented carbide components
Optics & Laser Technology **40**, 735-741 (2008)
49. Mohan R.S., Joshi M.P., Singh M.P.
Charge transport in disordered organic solids: A Monte Carlo simulation study on the effects of film morphology
Organic Electronics **9**, 1-14 (2008)
50. Rajendiran P., Desphande A.U., Bhushan I., Parihar Y.S.
Identification of users' information needs: an analysis of inter-library loan requests for journals selection
DESIDOC Journal of Library and Information Technology **28**, 56-59 (2008)
51. Kumar R.G., Raj S.G., Saxena A., Karnal A.K., Raghavulu T., Mohan M.
Deuteration effects on structural, thermal, linear and nonlinear properties of L-threonine single crystals
Materials Chemistry and Physics **108**, 359-63 (2008)
52. Ratnakala K.C., Tiwari S.K., Shukla S.K., Kotaiah S.
Outgassing rate measurement of copper plated stainless steel
Journal of Physics: Conference Series **114**, 012056 (2008)
53. Roy. S.B., Myneni G.R.* , Sahni V.C.
On the reliable determination of the magnetic field for first flux-line penetration in technical niobium material
Superconductivity Science and Technology **21**, 065002 (2008)
54. Ryu H. *, Singh B.K. *, Bartwal K.S.
Effect of Sr substitution on photoluminescent properties of $\text{BaAl}_2\text{O}_4:\text{Eu}^{2+}, \text{Dy}^{3+}$
Physica B: Physics of Condensed Matter **403**, 126-130 (2008)
55. Ryu H. *, Bartwal K.S.
Operation by Eu luminescence in $\text{CaAl}_2\text{O}_4:\text{Eu}^{2+}$ alloys by Zn substitution
Journal of Alloys and Compounds **461**, 2395-398 (2008)
56. Ryu H. *, Singh B.K.
Photoluminescent studies on Ti co-doped $\text{CaAl}_2\text{O}_4:\text{Eu}^{2+}, \text{Ti}^{3+}$ phosphor
Physica B: Physics of Condensed Matter **403**, 1843-1847 (2008)
57. Ryu H. *, Singh B.K. *, Bartwal K.S.
Synthesis and Photoluminescence Studies on $\text{Sr}_{1-x}\text{Ba}_x\text{AlO}:\text{Eu}^{2+}, \text{Dy}^{3+}$
Journal of the Korean Ceramic Society **45**, (2008)
58. Saini V.K., Shrivastava V.K., Khare R.
Anomalous behavior of optogalvanic signal in a miniature neon discharge lamp
Optics Communications **281**, 129-134 (2008)
59. Serio L. *, Bouillot A. *, Casas-Cubillos J. *, Chakravarty A. *, Claudet S. *, Gicque F. *, Gomes P. *, Kumar M., Kush P.K., Millet F. *, Perin A. *, Rabehl R. *, Singh M.R. *, Soubiran M. *, Taviani L. *
Validation and performance of the LHC cryogenic system through commissioning of the first sector
Advances in Cryogenics Engineering: Transactions of the Cryogenic Engineering Conference **53**, (2008)
60. Seth M. *, Krykunov M. *, Ziegler T. *, Autschbach J. *, Banerjee A.
Application of magnetically perturbed time-dependent density functional theory to magnetic circular dichroism: Calculation of 13 terms.
Journal of Chemical Physics **128**, 144105-1-17 (2008)
61. Sharma M. *, Mohan D. *, Singh R.D. *, Singh N.
Study of emission characteristics in laser dye mixtures encapsulated in silica gel matrices
Optical Materials **30**, 1273-83 (2008)
62. Sharma M., Visai L. *, Bragheri F. *, Cristiani I. *, P. K. Gupta, Speziale P. *
Toluidine blue-mediated photodynamic effects on staphylococcal biofilms
Antimicrobial Agents AND Chemotherapy **52**, 299-305 (2008)



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63. Sharma T.K., Dixit V.K., Ganguli T., Singh S.D., Porwal S., Kumar R., Tiwari P., Nath A.K. Optimization of GaP epitaxial layer grown by MOVPE on GaP(111)B substrates
Semiconductor Science & Technology **23**, 075031 (2008)
64. Sharma T.K., Dixit V.K., Ganguli T., Singh S.D., Porwal S., Kumar R., Tiwari P., Nath A.K. Optimization of the properties of MOVPE-grown GaP epitaxial layers on GaP(111)B substrates
Semiconductor Science & Technology **23**, 075031 (2008)
65. Sharma T.K., Fox N.*, Hosea T.J.C.*, Nash G.R.*, Coomber S.D.*, Buckle L.*, Emeny M.T.*, Ashley T.*
Room temperature observation of the energy levels of mid-infrared QW lasers by FTIR-SPS
Applied Physics Express **1**, 062001 (2008)
66. Sheth S.S., Jana D., Joshi O.P., Oak S.M.
DSP based motion control system
Journal of the Instrumentation Society of India **38**, 137-144 (2008)
67. Shukla S.K., Kotaiah S.
Simulation studies of vacuum system for Indus-2
Journal of Physics: Conference Series **114**, 012028 (2008)
68. Singh C.P., Bindra K.S., Bhalerao G.M., Oak S.M.
Investigation of optical limiting in iron oxide nanoparticles
Optics Express **16**, 8440, (2008)
69. Singh Nageshwar
Effect of liquid flow on spectral properties of a dye laser pumped by a copper vapor laser
Optics Journals **2**, 2-6, (2008)
70. Singhal H., Ganeev R.*, Naik P.A., Arora V., Chakravarty U., Gupta P.D.
Dependence of high order harmonics intensity on laser focal spot position in preformed plasma plumes
Journal of Applied Physics **103**, 013107-1-5 (2008)
71. Sridhar R., Ratnakala K.C., Sindal B.K., Tiwari S.K., Malviya K.K., Bhatnagar P., Shukla S.K., Kotaiah S.
Ultra high vacuum testing of the new RF cavity of INDUS-1
Journal of Physics: Conference Series **114**, 012060 (2008)
72. Srikanth G.
Analysis of effect of divergence of laser beam on prism-based inscription of fiber Bragg gratings over a wide wavelength range
Applied Optics **47**, 3092-3098 (2008)
73. Srikanth G., Nath A.K.
Laser wavelength considerations for inscription of fiber bragg gratings: specific to applications in fiber lasers and amplifiers
Journal of Optoelectronics and Advanced Materials **10**, 413-21 (2008)
74. Sundar R., Ranganathan K., Oak S.M.
Generation of flattened Gaussian beam profiles in a Nd:YAG laser with a Gaussian mirror resonator
Applied Optics **47**, 147-152 (2008)
75. Tian Y.*, Yu W.*, Lu P.*, Xu H.*, Senecha V., Lei A.*, Baifei S.*, Wang X.*
Generation of periodic ultrashort electron bunches and strongly generation of periodic ultrashort electron bunches and strongly with ultra-intense laser pulse
Physics of Plasmas **15**, 053105-1-4 (2008)
76. Tiwari M.K., Bhalerao G.M., Babu M., Sinha A.K., Mukherjee C.
Investigation of metal nanoparticles on a Si surface using an x-ray standing wave field
Journal of Applied Physics **103**, 054311-1-6 (2008)
77. Upadhyaya B.N., Chakravarty U., Kuruvilla A., Nath A.K., Shenoy M.R.*, Thygarajan K.*
Effect of steady-state conditions on self-pulsing characteristics of Yb-doped cw fiber lasers
Optics Communications **281** 146-153 (2008)
78. Upadhyay J., Joshi M.J., Deshpande P.P., Sharma M.L., Navathe C.P.
A high voltage programmable ramp generator
Review of Scientific Instruments **79**, 054701-1-5 (2008)
79. Upadhyaya B.N., Vishwakarma S.C., Choubey, Jain R.K., Ali S., Agrawal R.K., Nath A.K.
A highly efficient 5 kW peak power Nd:YAG laser with time shared fiber optic beam delivery
Optics & Laser Technology **40**, 337-342 (2008)



B. Invited Talks

1. Gupta P.D.
Laser based electron acceleration
Joint Accelerator School - 2008, Indore, January 2008
2. Gupta P.D.
Ultra-intense laser plasma interaction studies at RRCAT, Indore
Asia Pacific Laser Symposium - 2008, Nagoya, Japan, Jan 30 – Feb 1 2008
3. Gupta P.D.
Studies of laser plasma interaction at RRCAT, Indore
Kansai Photon Science Institute, Kizu, Japan, February 2008
4. Gupta P.K.
Laser manipulation of cells and sub-cellular objects
Indo-US Workshop on Science and Technology at the Nano-Bio Interface, Bhubaneswar, February 19 –22, 2008
5. Gupta P.K.
Biomedical applications of light
ISRAPS Workshop on Radiation and Photochemistry, Mumbai, January 3-5, 2008
6. Gupta P.K.
Biomedical applications of lasers
MEDBIO-2008 & Third Industry Academia Meet, Bhopal, February 14-16, 2008
7. Gupta P.K.
Optical techniques for biomedical imaging, diagnosis and therapy
BRNS-Basic Sciences School on Condensed Matter Interface with Chemistry and Biology, Mumbai, March 3-14, 2008
8. Gupta P.K.
Optical techniques for biomedical diagnosis and for the manipulation of microscopic biological objects
Workshop on Laser Spectroscopy and Nanophotonics, Delhi, March 14-15, 2008
9. Kukreja L.M.
Low dimensional systems of ZnO
India - Singapore Symposium on Current Trends in Physics, Chennai, February 28 - March 1, 2008

10. Kukreja L.M.
Recent advances in nanomaterials for electronic industry
National Seminar on Advances in Nanomaterials and Drug Delivery, Panaji, February 22-23, 2008
11. Rawat A.
Towards e-Governance: integration and dissemination
DAE Vision for Information Exchange 2008 (DAEVIE 2008), Mumbai, February 28-29, 2008
12. Verma S.
Crystal growth mechanism studies using optical diagnostics
National Conference on Emerging Trends in Crystal Growth & Nano Materials (NECAN), Chennai, 28-29 Feb. 2008

C. Seminars / Conference Presentations

1. Das K., Uppal A., Jain B., Bose B., Gupta P.K.
Light induced toxicity of merocyanine-silica nanoparticle complex
International Conference on Nano Science and Technology (ICONSAT 2008), Chennai, February 27-29, 2008
2. Dhami T.S., Joshi M., Mohan S.R., Mishra S.
Synthesis and characterization of polymer-nanoparticle composites
National Seminar on Photonic polymers: Materials, Devices and Applications (PPMDA), Pilani, April 3-4, 2008
3. Jain B., Uppal A., Gupta P.K., Das K.
Nonlinear optical properties of silver nanoprisms under femtosecond laser excitation
International Conference on Soft Systems (ICSS-2008), Jadavpur, February 13-15, 2008
4. Jain B., Uppal A., Gupta P.K., Das K.
Photophysical studies on 8-anilino-1-naphthalene sulfonic acid (ANS) bound to silica nanoparticles
Trombay Symposium of Radiation & Photochemistry, Pune, January 7-11, 2008
5. Jain V., Mundra G., Bhandarkar U.V.*, Iyer K*
HF Emag-thermal coupled field analysis of RF cavities; pillbox RF cavity as a case study
Heat Transfer Conference in the honor of Prof. S. P. Sukhatme, JNU Hyderabad, January 2008



6. Kumar A., Kaul R., Kak A., Ramsankar P., Ganesh P., Singh U.S.*
Study of bulk material sensitization of type 304L and 316L stainless steels for furnace brazing of particle accelerator cavities
International Welding Congress, Chennai, January 8-10 2008.
7. Lim H.H.*, Prakash Om., Kim B.J.*, Pandiyani K.*, Cha M.*, Rhee B.K.*
Ultra-BroadBand optical parametric generation in periodically poled lithium niobate and stoichiometric lithium tantalate
CLEO/QELS and PhAST-2008, May 4-9, 2008
8. Majumder S.K., Swami M.K., Patel H.S., Nayyar S.S.*, Gupta P.K.
Near-infrared Raman spectroscopy for *In-vivo* diagnosis of human oral cavity neoplasia, technical program abstract
Optics Within Life Sciences-10 (OWLS-10) Biophotonics Asia, Singapore, July 2-4, 2008
9. Rajan A., Choudhari S., Singh Neha
Open source visualization tools
DAE Vision for Information Exchange 2008 (DAEVIE 2008), Mumbai, February 28-29, 2008
10. Rajan A., Rawat A., Jain A., Khare G., Sharma U., Sinnarkar D., Manyal M.
IT usage in DAE- issues and perspective: emergence of e-Governance
DAE Vision for Information Exchange 2008 (DAEVIE 2008), Mumbai, February 28-29, 2008
11. Rao K.D., Ashok P.C*., Bhattacharjee M.*, Verma Y., Majumder S.K., Gupta P.K.
Analysis of optical coherence tomographic images for binary classification of resected human breast tissues
Optics Within Life Sciences-10 (OWLS-10) Biophotonics Asia, Singapore, July 2-4, 2008
12. Rawat A., Bansal A.
Wireless networks: standards and protocols
DAE Vision for Information Exchange 2008 (DAEVIE 2008), Mumbai, February 28-29, 2008
13. Swami M.K., Verma Y., Manhas S., Rao K.D., Ghosh N., Gupta P.K.
A new approach for Mueller matrix measurement using fiber based optical coherence tomography
Optics Within Life Sciences-10 (OWLS-10) Biophotonics Asia, Singapore, July 2-4, 2008
14. Tomar S.S., Choudhari S., Rawat A.
Single sign-on implementation in RRCAT challenges, issues and implementation strategy
DAE Vision for Information Exchange 2008 (DAEVIE 2008), Mumbai, February 28-29, 2008
15. Verma R.S., Swami M.K., Manhas S., Gupta P.K.
On achieving phase only modulation from reflective type twisted nematic liquid crystal SLM at oblique incidence
Optics Within Life Sciences-10 (OWLS-10) Biophotonics Asia, Singapore, July 2-4, 2008
16. Verma S., Muralidhar K.*
Reconstruction of three-dimensional convective features during crystal growth from solution using computerized tomography
Tomography Confluence: International Conference on the Applications of Computerized Tomography (CT2008), Kanpur, February 2008
17. Verma S., Muralidhar K.*
Refractive index based optical techniques for measurement of thermal, solutal, and fluid flow properties
Proc. National Conference on Advances in Fluid Flow and Thermal Sciences (AFFTS-2008), Surat, May 22-24, 2008

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