

Papers in conference/conference proceedings

1. Eshita Mal, Rajendra Junjuri, M. K Gundawar and Alike Khare, "Spectroscopic characterization of laser induced molybdenum plasma in air", Meghnad Saha Memorial International Symposium –cum workshop on Laser induced breakdown spectroscopy, Department of Physics, University of Allahabad, Allahabad, India, February 19-21, 2018.
2. Sasmita Behera, Amandeep Kaur and Alike Khare, "Structural and optical properties of SrTiO₃ thin films fabricated by Pulsed Laser Deposition Technique National conference on Recent Advances in Science and Technology (NCRAS-2018), Assam Science and Technology University, Assam, India, March 15-17, 2018.
3. Prahlad K. Baruah, Ashwini K. Sharma and Alike Khare, "Particle size, surface plasmon resonance and stoichiometry of silver nanoparticles synthesized by pulsed laser ablation in distilled water, National Conference on Recent Advances in Science and Technology (NCRAS-2018), Assam Science and Technology University, Guwahati, March 15-17, 2018.
4. Partha P. Dey and Alike Khare, 'Third order Nonlinear optical properties of Si, SiO_x and a-SiC PLD thin films using Z-Scan technique', National conference on Recent Advances in Science and Technology (NCRAS-2018), Assam Science and Technology University, Assam, India, March 15-17, 2018.
5. Presented a paper entitled "Dynamic Phase manipulation and wavefront estimation of a laser beam using Computer Generated Hologram" in 'Research Conclave'18' (An amalgamation of Academia, Industry & Startup), 8th-11th March 2018.
6. Prahlad K. Baruah, Ashwini K. Sharma and **Alike Khare**, Characterization of noble metal nanoparticles synthesized via pulsed laser ablation in liquid, International Conference on Sophisticated Instruments in Modern Research (ICSIMR-2017), IIT Guwahati, June 30 – July 1, 2017.
7. Rahul Kesarwani and **Alike Khare**, Characterization of PLD thin film via spectroscopic ellipsometry, International Conference on Sophisticated Instruments in Modern Research (ICSIMR-2017), IIT Guwahati, June 30 – July 1, 2017.
8. Sasmita Behera and **Alike Khare**, "Effect of Substrate Temperature on BaTiO₃ thin films fabricated by Pulsed Laser Deposition Technique", International conference on thin films (ICTF 2017), Department of Physics, CSIR-National Physical Laboratory New Delhi, India, November 14-17, 2017.
9. Nagendra Kumar, **Alike Khare** and Bosanta R. Boruah, "A comparison between optical and non-optical methods for in-situ Surface profiling and thickness measurement of thin film", International conference on Advances in Optics and Photonics (XLI conference of Optical Society of India), Guru Jambheshwar University of Science and Technology, Hisar, November 23rd- 26th, 2017.
10. P. K. Baruah, M. A. Raman, I. Chakrabarty, L. Rangan, A. K. Sharma and **Alike Khare**, Antibacterial effect of silk treated with silver and copper nanoparticles synthesized by pulsed laser ablation in distilled water, 2nd International conference on condensed matter and applied physics (ICC-2017), Govt. Engineering College, Bikaner, Rajasthan, November 24-25, 2017.
11. Eshita Mal and **Alike Khare**, Characterization of laser produced tungsten plasma in air using time resolved laser induced breakdown spectroscopy, DAE-BRNS National Symposium NLS-26, BARC Mumbai, India, December 20-23, 2017.
12. Prahlad K. Baruah, Ashwini K. Sharma, **Alike Khare**, Effect of laser energy on the SPR and size of silver nanoparticles synthesized by pulsed laser ablation in distilled water, 62nd DAE Solid State Physics Symposium (DAE SSPS-2017), BARC, Mumbai, December 26-30, 2017.
13. Rahul Kesarwani and **Alike Khare**, Compositional Study of Pulsed Laser Deposited Semitransparent Cu Thin Film using BEMA, 62nd DAE Solid State Physics Symposium (DAE SSPS-2017), BARC, Mumbai, December 26-30, 2017.
14. Gyan Prakash Bharti and **Alike Khare**, "Multiphoton absorption induced photoluminescence in AZO thin films", XL conference of the optical society of India, International Conference on Light and Light Based Technologies (ICLLT 2016), Department of Physics, Tezpur University, Tezpur-Assam, India, November 26-28 2016.

15. Gyan Prakash Bharti and **Alika Khare**, "Efficient near band edge photoluminescence in Zn_{1-x}Al_xO thin films", Research Conclave -2017, Indian Institute of Technology Guwahati, Guwahati-Assam-784028, India, March 16-19, 2017.
16. Rahul Kesarwani and **Alika Khare**, "Surface structural analysis of plasmonic film using power spectral density technique", XL conference of the optical society of India, International Conference on Light and Light Based Technologies (ICLLT 2016), Tezpur University, Tezpur University, Tezpur, Assam-784028, India, November 26- 28 2016.
17. Rahul Kesarwani, Harsh Chaturvedi and **Alika Khare**, "Plasmonic interaction between copper nanoparticles and metallic single walled carbon nanotubes", Photonics-2016, The International Conference on Fiber Optics and Photonics, IIT Kanpur, Kanpur, Uttar Pradesh- 201086, India, December 04- 08 2016.
18. Gobinda Pradhan, Rahul Kesarwani, **Alika Khare** and Ashwini Kumar Sharma, "Thickness dependent optical properties of MoS₂ thin films probed by spectroscopic ellipsometry", Photonics-2016, The International Conference on Fiber Optics and Photonics, IIT Kanpur, Kanpur, Uttar Pradesh- 201086, India, December 04- 08 2016
19. Rahul Kesarwani, Partha Pritam Dey and **Alika Khare**, "Spectroscopic Ellipsometry studies of PLD Si thin film", Research Conclave- 2017, Institute of Technology Guwahati, Guwahati, Assam-781039, India, March 16- 19 2017.
20. Prahlad K. Baruah, Anuma Singh, Latha Rangan, Ashwini K. Sharma and **Alika Khare**, "Comparison of surface enhanced Raman scattering of silver and copper nanoparticles on furanoflavanoid karanjin", Photonics-2016, The International Conference on Fiber Optics and Photonics, IIT Kanpur, Kanpur, Uttar Pradesh- 201086, India, December 4-8, 2016.
21. Prahlad K. Baruah, Kh. Shantakumar Singh, Sumit Goswami, Eshita Mal, Ashwini K. Sharma and **Alika Khare**, "Application of laser induced breakdown for nanoparticle synthesis and as a powerful spectroscopic technique", Research conclave 2017, IIT Guwahati, Guwahati, Assam-781039, India, March 16-19, 2017.
22. P. K. Baruah, A. K. Sharma and **Alika Khare**, 'Effect of laser energy on silver nanoparticles produced by pulsed laser ablation in distilled water,' International Conference on Light and Light based Technologies (ICLLT), Tezpur University, November 26-28 2016.
23. Eshita Mal and **Alika Khare**, "Studies on Laser produced Tungsten Plasma using LIBS", Photonics-2016, The International Conference on Fiber Optics and Photonics, IIT Kanpur, Kanpur, Uttar Pradesh-201086, India, December 4-8, 2016.
24. Sasmita Behera and **Alika Khare**, "Characterization of Alpha-Al₂O₃ sapphire thin film fabricated by Pulsed Laser Deposition", Photonics-2016, The International Conference on Fiber Optics and Photonics, IIT Kanpur, Kanpur, Uttar Pradesh- 201086, India, December 4-8, 2016.
25. Indrajeet Kumar, Partha Pratim Dey, Gyan Prakash Bharti and **Alika Khare**, "Versatility of Pulsed Laser Deposition technique for fabrication of thin films", Research conclave-2016, IIT Guwahati", 17th-20th March, 2016. (Poster)
26. Gyan Prakash Bharti and **Alika Khare**, "Frequency tripled Nd:YAG laser pumped Random lasing in ZnO and Al doped ZnO thin films fabricated via Pulsed Laser Deposition technique", **P-171** National Laser Symposium (NLS-24), Raja Ramanna Center for Advanced Technology (RRCAT), Indore, M. P. (India), 2nd -5th December (2015).
27. Prahlad K. Baruah, Eshita Mal, Kh. Shantakumar Singh, Ashwini K. Sharma and **Alika Khare**, "*Laser produced plasma and its applications*, Research conclave-2016, IIT Guwahati", 17th- 20th March, 2016.
28. Prahlad K. Baruah, Ashwini K. Sharma and **Alika Khare**, "*Dependence of Laser Energy on the Size of Copper Nanoparticles Synthesized by Pulsed Laser Ablation in Liquid*", International Conference on Materials Science & Technology-2016 (ICMTech-2016), University of Delhi, 1st - 4th March, 2016.
29. Prahlad K. Baruah, Ashwini K. Sharma, **Alika Khare**, "*Preliminary investigation on the expansion dynamics of laser produced graphite plasma in air*", 30th National Symposium on Plasma Science & Technology (Plasma-2015), **P-204**, Saha Institute of Nuclear Physics (SINP), Kolkata, India, 1st -4th December , (2015) (Poster)
30. Prahlad K. Baruah, Ashwini K. Sharma, **Alike Khare**, "*Basics and applications of the process of Laser induced breakdown*", TEQIP Symposium to celebrate the 2015 International Year of Light, Department of Physics, IIT Guwahati, Guwahati, 31st (2015). (Poster)

31. Eshita Mal, Kh. Shantakumar Singh, Prahlad K. Baruah, Arjun Biswas, Ashwini K. Sharma and **Alika Khare**, "Characterization of Copper Plasma using Laser Induced Breakdown Spectroscopy in air", 4th PSSI-PLASMA SCHOLARS COLLOQUIUM (PSC-2015), Jadavpur university, 6th-7th August 2015.
32. Eshita Mal and **Alika Khare** "Characterization Of Laser-Induced Plasma Of Tungsten", 30th National Symposium on Plasma Science & Technology (PLASMA-2015), p-261, Saha Institute of Nuclear Physics (SINP), Kolkata, India, 1st -4th December (2015) (Poster)
33. Gobinda Pradhan, Sasmita Behera, Ashwini K. Sharma and **Alika Khare**, "Study of surface morphology and optical properties of thin films grown via PLD", Research conclave-2016, IIT Guwahati, 17th - 20th March, 2016. (Poster).
34. Gyan Prakash Bharti and **Alika Khare**, "Single photon assisted random lasing action in ZnO thin films deposited via Pulsed Laser Deposition Technique", 4th International conference on Current Developments in Atomic, Molecular, Optical & Nano Physics with Applications (CDAMOP-2015), University of Delhi, 11-14 March, 2015.
35. Rahul Kesarwani and **Alika Khare**, "Effect of annealing on SPR and NLO properties of Semitransparent Cu thin films deposited onto glass substrate via PLD technique", 4th International conference on Current Developments in Atomic, Molecular, Optical & Nano Physics with Applications (CDAMOP-2015), University of Delhi, 11-14 March, 2015.
36. Eshita Mal and **Alika Khare**, "Measurement Electron density and temperature in laser induced stainless steel (SS) plasma", 4th International conference on Current Developments in Atomic, Molecular, Optical & Nano Physics with Applications (CDAMOP-2015), University of Delhi, 11-14 March, 2015.
37. Anuma Singh, Latha Rangan, **Alika Khare**, Aditya Narayan Panda, 'Characterization of bioactive karanjin from seeds of Karanj', International Conference of Medicinal plants and herbal drugs for Human welfare, IIT Channai (ICMP-2015), 28-30 Jan, 2015.
38. Gyan Prakash Bharti and **Alika Khare**, "Band gap tuning in Pulsed Laser Deposited Zn_{1-x}Al_xO (0 ≤ x ≤ 0.10) thin films", 12th International conference on fiber optics and photonics (PHOTONICS-2014), IIT Kharagpur, India, 13-16th Dec. 2014.
39. Sanasam Sunderlal Singh, Kh. Shantakumar, **Alika Khare** and S. N. Joshi, 'Fabrication of Micro-channels on Mild Steel using Laser induced Micro-machining', 5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014, IIT Guwahati, December 12-14, 2014, pp. 878(1) - 878(5)
40. Prahlad K. Baruah, Kh. Shantakumar Singh, A. K. Sharma and **Alika Khare**, "Effect of laser energy on nanoparticles produced by laser ablation of copper in distilled water", 29th National Symposium on Plasma Science & Technology and the International Conference on Plasma & Nanotechnology (PLASMA 2014), Mahatma Gandhi University, Kottayam, Kerala, December 8-11, 166 (2014).
41. Gyan Prakash Bharti and **Alika Khare**, "Third order optical nonlinearity in Zn_{1-x}Al_xO (0 ≤ x ≤ 0.10) thin films deposited via Pulsed Laser Deposition Technique", National Laser Symposium (NLS-23), Sri Venkateshwara University Tirupati, A. P. (India), 3-6 December 2014.
42. Indrajeet Kumar, Gyan Prakash Bharti and **Alika Khare**, "Laser power induced disorder in PLD deposited DLC film during Raman measurement", National Laser Symposium (NLS-23), Sri Venkateshwara University Tirupati, A. P. (India), 3-6 December 2014.
43. Kh. Shantakumar Singh, Prahlad. K. Baruah, Eshita Mal, **Alika Khare** and A. K. Sharma, "Effect of uniform magnetic field on laser drilling", Proc. National Laser Symposium, Sri Venkateshwara University, Tirupati, December 3-6, 147 (2014).
44. Partha P. Dey and **Alika Khare**, "Structural and optical properties of Silicon Carbide thin films fabricated via PLD", National Laser Symposium (NLS-23), Sri Venkateshwara University Tirupati, A. P. (India), 3-6 December 2014.
45. Satchi Kumari and **Alika Khare**, 'Comparative study of Optical delay of light in Barium titanate crystal and thin film', National Laser Symposium (NLS-23), Sri Venkateshwara University Tirupati, A. P. (India), 3-6 December 2014.
46. Kh. Shantakumar Singh, Alika Khare and Ashwini Kumar Sharma, 'Spectroscopic study of laser-produced copper plasma in uniform magnetic field', National Laser Symposium (NLS-23), Sri Venkateshwara University Tirupati, A. P. (India), 3-6 December 2014.
47. Prahlad K. Baruah, N. S. Mallick, I. Kumar, A. K. Sharma and **Alika Khare**, "Dynamics of laser induced breakdown at solid-liquid interface by imaging technique", 3rd PSSI-PLASMA Scholars

Colloquium (PSC-2014) & National workshop on Exploring Plasma Technology on Material Processing, VIT Chennai July 3-5 (2014).

48. Eshita Mal and **Alika Khare**, “*Laser Induced Breakdown Spectroscopy of stainless steel sample*” 3rd PSSI-PLASMA Scholars Colloquium (PSC-2014) & National workshop on Exploring Plasma Technology on Material Processing, VIT Chennai July 3-5 (2014).
49. Partha P. Dey and **Alika Khare**, “*Nd-YAG ns-pulsed laser induced Structural and compositional modification of Silicon surface : Formation of Photoluminescent a-Si:SiO₂ nanostructures*”, National Conference on Nanotechnology and Renewable Energy (NCNRE-14), New Delhi, India, April 28-29, 2014.
50. Rahul Kesarwani, G. P. Bharti, Partha P. Dey, Indrajeet Kumar and A.T.T. Mostako, **Alika Khare**, “NLO behavior of Semitransparent Cu Thin Film Deposited by PLD”, International Conference on Optics and Optoelectronics (XXXVIII Symposium of Optical Society of India), Instruments Research and Development Establishment (IRDE), Dehradun, Uttarakhand, India 5-8th March, 2014.
51. G. P. Bharti, Satchi Kumari, Archana Kushwaha and **Alika Khare**. “Nonlinear Absorption of PLD Deposited ZnO Thin Films Under CW Laser Irradiation”, International Conference on Optics and Optoelectronics (XXXVIII Symposium of Optical Society of India), Instruments Research and Development Establishment (IRDE), Dehradun, Uttarakhand, India 5-8th March, 2014.
52. Partha P Dey, G. P. Bharti and **Alika Khare**, “Third order Nonlinear Optical properties of PLD deposited Nanostructured SiC Thin Films”, International Conference on Optics and Optoelectronics (XXXVIII Symposium of Optical Society of India), Instruments Research and Development Establishment (IRDE), Dehradun, Uttarakhand, India 5-8th March, 2014.
53. Indrajeet Kumar and **Alika Khare**, “Nonlinear absorption and refraction measurement of PLD deposited carbon thin film”, DAE-BRNS National Laser Symposium-22, 8-11th January, 2014.
54. Indrajeet Kumar, P. K. Baruah, A. K. Sharma and **Alika Khare**, “Laser Induced Graphite Plasma In Liquid By CCD Imaging”, 28th National Symposium on Plasma Science & Technology (PLASMA 2013), KIIT University, Bhubaneswar, Odisha, India, 3-6th December, 2013.
55. Indrajeet Kumar and **Alika Khare**, “Raman Spectra of PLD Deposited DLC Thin Films on Si Substrate”, 58th DAE-Solid State Physics Symposium, 17-21st December, 2013.
56. Indrajeet Kumar and **Alika Khare**, “Diamond Like Carbon Films Deposited by Pulsed Laser Ablation of Graphite Target”, DAE-BRNS 7th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials, 14-16th November, 2013.
57. Partha P. Dey and **Alika Khare**, “Fabrication of SiO_x thin films by Pulsed Laser Deposition at different O₂ ambient pressure” DAE-BRNS 7th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials, 14-16th November, 2013.
58. G. P. Bharti, Raja Bonia, Partha P Dey, A. T. T. Mostako, Satchi Kumari and **Alika Khare**, “SPR and NLO Behavior of PLD Deposited Cu Thin Films” DAE-BRNS 7th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials, 14-16th November, 2013.
59. Indrajeet Kumar and **Alika Khare**, “Optical Nonlinearity of Nanostructured Carbon Thin Films Deposited via Pulsed Laser Ablation Technique”, International Conference on Nanotechnology (ICNT-2013), Haldia Institute of Technology, India, 25-26th October, 2013.
60. Partha P. Dey and **Alika Khare**, “Structural and Optical properties of Nanostructured a-SiC Thin Films by Pulsed Laser Deposition at different Substrate Temperatures”, International Conference on Nanotechnology (ICNT-2013), Haldia Institute of Technology, India, 25-26th October, 2013.
61. A T T Mostako, G P Bharti, Kh Santakumar Singh, **A K Sharma** and **Alika Khare**, “Determination of Electron Density in Laser Induced Molybdenum Plasma”, Plasma 2012, Pondicherry University, India, 10-13th December 2012.
62. A T T Mostako, G P Bharti, Kh Santakumar Singh, **A K Sharma** and **Alika Khare**, “Determination of Electron Density in Laser Induced Molybdenum Plasma”, Plasma 2012, Pondicherry University, India, 10-13th December 2012.
63. A T T Mostako, **Alika Khare**, C. V. S. Rao, Sudhirsinh Vala, R J Makwana and T K Basu “Effect of 30 keV Deuterium Ion Beam onto Pulsed Laser Deposited Rh/W/Cu Multilayer”, Plasma 2012, Pondicherry University, India, 10-13th December 2012.
64. Indrajeet Kumar and **Alika Khare**, “Raman Spectrum of Multilayer Graphene Grown By Pulsed Laser Ablation of Graphite Target”, 23rd International Conference on Raman Spectroscopy (ICORS-2012), IISc-Bangalore, India, 12-17th August, 2012.

65. Indrajeet Kumar and **AlikaKhare**, “Growth of Few Layers Graphene Via Pulsed Laser Deposition Technique Using Graphite Target”, Twenty-First International Symposium on Processing and Fabrication of Advanced Materials (PFAM XXI), IIT Guwahati, India, 10-13th December, 2012.
66. Indrajeet Kumar, SatchiKumari and **AlikaKhare**, “Spatial Evolution of Laser Induced Graphite Plasma By Langmuir Probe”, 27th PSSI National Symposium on Plasma Science and Technology (Plasma - 2012), Pondicherry University, Pondicherry, India, 10-13th December, 2012.
67. ArchanaKushwaha, Indrajeet Kumar and **AlikaKhare**, “Laser Induced Breakdown of Poly (Methyl Methacrylate (PMMA)) in Air”, 27th PSSI National Symposium on Plasma Science and Technology (Plasma - 2012), Pondicherry University, Pondicherry, India, 10-13th December, 2012.
68. Partha P. Dey and **AlikaKhare**, “ MICROSTRUCTURING OF SILICON SURFACE BY HIGH POWER PULSED LASER IRRADIATION”, XXI International Symposium on Processing and Fabrication of Advanced Materials, IIT Guwahati, Guwahati, ASSAM 10-13th December, 2012.
69. S Kumari and **AlikaKhare**, “Effect of Laser Fluence on Pulsed Laser Deposited Thin Films of Ruby”, 29th National Symposium on Plasma Science and Technology (Plasma 2011) Organized by BITS Patna, Dec 20-23, 2011
70. S Kumari, ArchanaKhushwaha and **AlikaKhare**, “Studies On Laser Induced Ruby ($\text{Al}_2\text{O}_3:\text{Cr}^{3+}$) Plasma Using Langmuir Probe”, 29th National Symposium on Plasma Science and Technology (Plasma 2011) Organized by BITS Patna, Dec 20-23, 2011
71. A T TMostako and **AlikaKhare**, “Spectroscopic studies of laser induced Tungsten plasma, ‘29th National Symposium on Plasma Science and Technology (Plasma 2011)’ Organized by BITS Patna, Dec 20-23, 2011.
72. A T TMostako and **AlikaKhare**, “Architecture of Rh/W/Cu multilayered First Mirror via PLD”, ‘29th National Symposium on Plasma Science and Technology (Plasma 2011), Organized by BITS Patna, Dec 20-23, 2011.
73. Indrajeet Kumar, ArchanaKushwaha and **AlikaKhare**, “Emission Spectroscopy of Laser Induced Plasma from Graphite Target in Vacuum”, 29th National Symposium on Plasma Science and Technology (Plasma 2011) Organized by BITS Patna, Dec 20-23, 2011.
74. SatchiKumari and **AlikaKhare**, “Temperature Dependent Raman Studies of Barium Titanate Thin Film Deposited via Pulsed Laser Deposition”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011), MRC, IISC, Bengaluru, November 9 -11, 2011.
75. SatchiKumari and **AlikaKhare**, “Effect of Background Oxygen Pressure on Pulsed Laser Deposited Thin Films of Ruby”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011), MRC, IISC, Bengaluru, November 9 -11, 2011.
76. ArchanaKhushwaha, SatchiKumari and **AlikaKhare**, “Effect of Excitation intensity on Two photon induced UV Photoluminescence in ZnO thin films using He:Ne laser”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011), MRC, IISC, Bengaluru, November 9 -11, 2011.
77. A T TMostako and **AlikaKhare**, “Pulsed Laser Deposition of Molybdenum thin films”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011)”, MRC, IISC, Bengaluru, November 9 -11, 2011.
78. A T TMostako and **AlikaKhare**, “Rh/W/Cu multilayer thin films via PLD”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011), MRC, IISC, Bengaluru, November 9 -11, 2011.
79. Indrajeet Kumar, ArchanaKhushwaha and **AlikaKhare**, “Temporal studies of C_2 species in nanosecond laser-induced graphite plasma”, DAE-BRNS 6th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011), MRC, IISC, Bengaluru, November 9 -11, 2011.
80. SatchiKumari, ArchanaKhushwaha and **AlikaKhare**, “Spatial distribution of electron temperature and electron density in Laser induced Ruby plasma using Langmuir probe”, 15th International Symposium on LASER-AIDED PLASMA DIAGNOSTICS, Jeju, Korea, October 9 - 13, 2010.
81. A Nath and **AlikaKhare**, “Effect of plasma pressure on to TiO_2 nanoparticles synthesized via laser ablation at titanium-water interface’, 24th International conference on Amorphous and Microcrystalline Semiconductors (ICANS24), Nara, Japan, Aug 21_26, 2011.

82. Indrajeet Kumar, Arpita Nath and **AlikaKhare**, "Formation of diamond nanocrystals via pulsed laser ablation of Graphite in liquid, 24th International conference on Amorphous and Microcrystalline Semiconductors (ICANS24), Nara, Japan, Aug 21-26, 2011.
83. A T T Mostako, Partha Dey, Himanshu S Jha, Mukesh Singh, Pratima Agarwal and **AlikaKhare**, "Effect of background oxygen pressure and Substrate temperature on to the quality of MoO₃ thin films via PLD, 24th International conference on Amorphous and Microcrystalline Semiconductors (ICANS24), Nara, Japan, Aug 21-26, 2011.
84. A T T Mostako, **AlikaKhare** and C. V. S. Rao, Effect of Helium gas pressure during deposition on the Specular reflectivity of Rhodium thin films via PLD, National Conference on condensed matter Days, Guwahati University, Aug 24-26, 2011.
85. Satchi Kumari and **AlikaKhare**, "Tetragonal Barium Titanate Thin Film via Pulsed Laser Deposition Technique, National Conference on condensed matter Days, Guwahati University, Aug 24-26, 2011.
86. Archana Khushwaha, Indrajeet Kumar and **AlikaKhare**, Preparation of Polytetrafluoroethylene (PTFE) Thin films via PLD Technique, National Conference on condensed matter Days, Guwahati University, Aug 24-26, 2011.
87. A. Nath, A. Das, L. Rangan and **AlikaKhare**, "Bacterial Inhibition by Cu/Cu₂O Nanocomposites Prepared via Laser Ablation in Liquids", Proceeding of International Conference IISC-10 organised by Jamia Millia Islamia Delhi, December 2010
88. A. Nath, A. Das, L. Rangan and **AlikaKhare**, "Antibacterial activity of copper oxide nanoparticles synthesized via laser ablation in liquids", Proceeding of International Conference Photonics-10 organised by IIT Guwahati, December 2010.
89. A. Nath and **AlikaKhare**, "Estimation of OH and O₂ Rotational Temperature during Laser Induced Breakdown at Titanium Water Interface", Proceeding of International Conference MMISLIBS-10 organized by University of Allahabad & Mississippi state University, December 2010
90. A. Nath and **AlikaKhare**, "Photocatalytic Activity of TiO₂ Nanocolloids Formed via Laser Ablation of Ti in Water", Proceeding of International conference PEFM 2010 – Physics of Emerging Functional Materials, organized by BARC Mumbai, September 2010.
91. A. T. T. Mostako, C. V. S. Rao, Shudhir Vala and **AlikaKhare**, 'Effect of ion beam irradiation on PLD deposited tungsten films', Proceeding of National Conference Plasma 2010 organized by ISSAT (Guwahati) and PSSI (India), 8-11 December, 2010.
92. A. T. T. Mostako, Partha Dey, Himanshu S. Jha, Mukesh Singh, Pratima Agarwal and **AlikaKhare**, 'Molybdenum Oxides thin films via PLD', Proceeding of National Conference Plasma 2010 organized by ISSAT (Guwahati) and PSSI (India), 8-11 December, 2010.
93. Satchi Kumari and **AlikaKhare** "pulsed laser deposited ruby thin film as temperature sensor", Proc. Of 25th National Symposium on Plasma Science & Technology, PLASMA-2010, Guwahati, 8-11 December 2010.
94. Satchi Kumari and **AlikaKhare**, "Slowing down of light in Ce:BaTiO₃ crystal via Degenerate two-wave mixing using chopped pulses", Proc. of international Conference on Fiber Optics & Photonics, Photonics 2010, Guwahati, 11-15 December 2010.
95. Satchi Kumari and **AlikaKhare**, "Effect of crystal orientation on temporal delay in Ce:BaTiO₃ via degenerate two-wave mixing", Proc. of OSI Symposium, International Conference on Contemporary Trends in Optics and Opto Electronics, Thiruvananthapuram, 17-19 January 2011.
96. Satchi Kumari, Ravi Kiran Saripalli, and **AlikaKhare**, "Determination of the crystallographic orientations of a Ce:BaTiO₃ crystal via backward two-wave mixing", Proc. of XXXV OSI Symposium, International Conference on Contemporary Trends in Optics and Opto Electronics', Thiruvananthapuram, 17-19 January 2011.
97. I. Kumar and **AlikaKhare**, 'Effect of Substrate Temperature on Pulsed Laser Deposited Diamond Like Carbon Thin Films' Proc. of International Conference on Carbon Nanotechnology: Potential and Challenges, Indian Institute of Technology Kanpur, 15-17 December 2010.
98. Archana Khushwaha, A Nath and **AlikaKhare**, Temporal Evolution of CN Band Spectra in Laser Induced Breakdown of Plastics, Proc. Of 25th National Symposium on Plasma Science & Technology, PLASMA-2010, Guwahati, 8-11 December 2010.
99. Archana Khushwaha, A. Nath, **AlikaKhare**, 'Monitoring of Plastics using Laser Induced Breakdown Spectroscopy (LIBS)', Proceedings International Conference MMISLIBS-10 organized by University of Allahabad & Mississippi state University, December 21-23,

100. Gaurav Shukla and AlikeKhare, "Effect of Pre-heating on Hydrothermal Growth and Optical Properties of ZnONanorods" ICONSAT 2010, IIT Bombay, Mumbai, Feb 2010.
101. Gaurav Shukla and AlikeKhare, "Effect of dynamics of ZnO plasma on the pulsed laser deposited ZnO thin films" Plasma 09, NIT Hamirpur, Dec 2009.
102. Arpita Nath, Suvra Santa Laha and **AlikeKhare**, "Synthesis of TiO₂ nanoparticles via laser ablation at Titanium-water interface ", ICE 2009, University of Delhi , Dec 2009.
103. A T TMostako, C V S Rao and **AlikeKhare**, 'Pulsed Laser Deposition of mirror like Tungsten Thin Films', Conference paper of Plasma 2009 organized by NIT Hamirpur (HP) and PSSI (India), December, 2009.
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