

Dr. Nana N Shejwal
Assistant Professor
Msc (Physics), Ph.D (Telecom.)
ADCSSAA

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Experience

Teaching: 20yrs

Industry: 1yrs

Area of Research

Telecommunication Technology, Material Science, Photonic Technology

Research Publications

- 1. N.N. Shejwal**, Mohd Anis, S.S. Hussaini, M.D. Shirsat, Optical, thermal and electrical properties of pure and doped bis-thiourea cadmium formate (BTCF) crystal, Phys. Scr. 89 (2014)125804 (1-7) IF. 1.69
- 2. N.N. Shejwal**, Mohd Anis, S.S. Hussaini, M.D. Shirsat, Ab-initio UV-vis, SHG efficiency, photoluminescence, dielectric, thermal and mechanical studies of pure and L-glutamine doped ZTS crystal for optoelectronics device applications, Optik, 2016, IF. 0.69
- 3. N.N. Shejwal**, R. B. Kulkarni, S.S. Hussaini, M.D. Shirsat, Influence of L-Luicine on structure, thermal, fluorescence and nonlinear optical properties of zinc thiourea sulphate single crystal, Bionanoforntier, Vol.8, Issue 3, (2015), ISSN no.:0974-0678
- 4. N.N. Shejwal**, Mohd Anis, S.S. Hussaini, M.D. Shirsat, Studies on thermal, optical, dielectric, and non linear properties of L-Lysine doped zinc thiourea sulphate metal complex crystal, Journal of advances in applied science and technology, Material Science (Special Issue), Vol.01, Issue 02, Dec.2014, ISSN. 2393-8188
- 5. N. N. Shejwal**, S.S. Hussaini, M. D. Shirsat, Investigation on synthesis, growth, and characterization of L-Threonine additive oxalate crystal for photonic device applications, International Journal of Advances in Management, Technology, and Engineering Sciences, Vol. 06, Issue 2(1), March 2016, Page no. 01-07. ISSN: 2249-7455
- 6. Yogesh Rasal**, Mohd Anis, **N.N. Shejwal**, Mohd Azer, M.D. Shirsat, S.S. Hussaini, Effect of bis thiourea zinc chloride on optical properties of potassium dihydrogen phosphate(KDP) crystal, Journal of advances in applied science and technology, Material Science (Special Issue), Vol.01, Issue 02, Dec.2014, ISSN. 2393-8188
- 7. N.N. Shejwal**, S.S. Hussaini, R. B. Kamble, M.D. Shirsat, Growth structural, dielectric, photoluminescence and nonlinear optical studies of glycine additive bimetalorganic single crystal for photonic applications, A proceeding of National conference on advanced materials and applications (NCAMA-2016) March-04-05, 2016, 81-87, ISBN:978-93-5235-011-7

8. R.B.Kulkarni, **N. N. Shejwal**, Mohd Anis, M. D. Shirsat and S.S. Hussaini, Growth and characterization of L-Alanine mixed cadmium thiourea acetate single crystal for optoelectronic applications, A proceeding of National conference on upcoming trends in chemical sciences(UTCS-2013), September 06-07, 2013. 113-114.
9. **N.N. Shejwal**, Mohd Anis, S.S. Hussaini, M.D. Shirsat, Investigation on structural, UV-visible, SHG efficiency, dielectric, mechanical and thermal behavior of L-cystine doped zinc thiourea sulphate crystal for NLO device applications, International Journal of Modern Physics B, Vol. 28 article id (2014) 2016 IF. 0.96
10. **N. N. Shejwal** and P. B. Gambhir, M-Healthcare Services: A case study of urban and rural Maharashtra, Souvenir, 4th PIMR international conference, Indore, Madhyapradesh, Januuary 30-31, 2010
11. **N. N. Shejwal** and P. B. Gambhir, A study of mobile services and its impact on rural Maharashtra, Techcon 08, proceeding of 10th international conference on human computer interaction through emerging IT trends, IFET college of Engineering, Vellupuram Tamilnadu, September 21st 2008. Page no. 36-42
12. **N. N. Shejwal** and P. B. Gambhir, "Value based technical education:Need of the hour" proceeding of 37th ISTE Annual Convention and National Seminar, MIT , Manipal, Karanataka, December 17-19, 2007. Page no.-36
13. **N. N. Shejwal**, The socioeconomic impact of telecommunication services, International Journal of Advances in Management, Technology and Engineering Sciences, Vol.01, Issue 12 (II), September 2012. ISSN:2249-7455.
14. **N. N. Shejwal** and P. B. Gambhir, A comparative analysis of technical parameters of mobile phone technology , Souvenir of international conference on Recent technologies, IOK, College of Engineering, Pune, Maharashtra, February 9-11, 2012, Page no. E-64.
15. **N. N. Shejwal** and P. B. Gambhir, Mobile technology: The breakthrough technology for promoting socio development of urban, rural and tribal society of Maharashtra, Dharohar, international Management Journal, Vol.1, Issue. 1, March 2011, ISSN: 2230-9357, Page no. 26-35
16. **N. N. Shejwal**, Effective use of M-Healthcare in rural India: A steps towards enhancing healthcare, International Journal of Advances in Management, Technology and Engineering Sciences, Vol.01, Issue 8 (II), May 2012. ISSN: 2249-7455. Page no. 1-8
17. **N. N. Shejwal** and P. B. Gambhir, Telecommunication Technology and rural development in the 21st century, Proceeding of National Conference on signal processing and communication system (SPCOMS 2011), Acharya Nagarjun University, Nagarjunanagar, Andhrapradesh, India, April 1-2, 2011. Page no. 107

Workshops/Seminars/Conferences attended

1. One Day Pre Audit Workshop organized by National Service Scheme department and Savitribai Phule Pune University on February 26, 2015 at Mahabale Sabhagruha , Department of Botany , SPPU, Pune .
2. Orientation Course for Programme Officer of the National Service Scheme held from January 27 to February 2 , 2015 at NSS Empanelled Training Institute, Ahmednagar College, Ahmednagar, Maharashtra
3. National conference on upcoming trends in chemical sciences (UTCS-2013), Organized by Shree Anand College of Science, Pathardi, Dist. Ahamdnagar. September 06-07, 2013.
4. XVIII National seminar on crystal growth (with international participation) in association with Indian association of crystal growth organized by center for crystal growth , SSN College of Engineering, Kalavakkam, Chennai-603110, Tamilnadu. February 24-26, 2014
5. International Conference on Crystal Growth & Biomolecular Crystallography Organized by Schools of Electrical & Electronics Engineering and Chemical & Biotechnology SASTRA University, Thanjavur – 613 401, Tamil Nadu, India November 28-29, 2014
6. National conference on Material Science and Technology(NCMST-2014), organized by Department of Physics, Milliya Arts, Science and Management Science College, Beed, Maharashtra, India. December 23-24, 2014
7. International Conference on Functional Materials and Microwaves (ICFMM - 2015) organized by Department of Physics, Dr. BAMU, Aurangabad, Maharashtra India. December 28-30, 2015.
8. National conference on advanced material and applications, (NCAMA-2016), organized by Fergusson College, Pune-05, Maharashtra, India. March 4-5, 2016.
9. International conference on Recent trends in materials science and applications (ICRTMSA-2016) organized by post graduate and research department of Physics, Jamal Mohamed College (Autonomus), Tiruchirappali, Tamilnadu , India. February 29, 2016.
10. International Multidisciplinary Conference Innovative Trends In Science, Commerce, Literature, Social Science, Economics, Mangement & Information Technology, organised by International Association Of Academicians And Researchers (Inaar), Confederation of Indian University (Ciu), G.S.P. College, Talasari, Dist-Palghar. March 26, 2016.
11. Fourth PIMR international conference on Managing in the new world order: Stratiges for sustainable business development, organized by PIMR, Indore, Madhyapradesh, Januauy 30-31, 2010.
12. International conference on human computer interaction through emerging IT trends (Techcon 08), organized by IFET College of Engineering, Vellupuram, Tamilnadu, September 21st 2008.
13. 37th ISTE Annual Convention and National Seminar organized by ISTE New Delhi and MIT, Manipal, Karanataka, December 17-19, 2007.

- 14.** International interdisciplinary Research Conference on Changes, Challenges and Consequences in Commerce, Management, Engineering, Technology, Environment and Social Sciences, Shirdi, Maharashtra. September 24-25, 2012.
- 15.** International Conference on Recent Technologies, (I-CORT 2012), IOK, College of Engineering, Pune, Maharashtra, February 9-11, 2012.
- 16.** International conference on Management, Engineering and Technology, Goa, India, May 26-27, 2012.
- 17.** National Conference on Signal Processing and Communication system (SPCOMS 2011), organized by University College of Engineering, Acharya Nagarjun University, Nagarjunanagar, Andhrapradesh, India, April 1-2, 2011.
- 18.** Induction Training Programme for Engineering College Teacher, organized by VIT, Pune, June 08-26, 1998.
- 19.** Two weeks training programme on “Recent Trends in Applied Physics” organized by VIT, Pune, May 12-23, 2003.
- 20.** One day workshop on “Restructuring of TYBSc (Physics) syllabus for optional subject” organized by H.V. Desai Arts, Commerce and Science College, Pune, January 10, 2004.
- 21.** Two weeks training programme on “Developing Teaching Competencies” organized by NITTR, Pune, May 09-20, 2005.
- 22.** One day National Conference on “Towards Quality Engineering Education” organized by PIET, AISSMS, College of Engineering, RSCOE Pune, February 12, 2005.
- 23.** Three day workshop on “LINUX” organized by, AISSMS, College of Engineering, Pune, July 11-13, 2006.
- 24.** One day workshop on “Nano science” organized by Department of Physics, University of Pune, February 04, 2006.
- 25.** Two day workshop on “Advances in Applied Physics” organized by VIIT, Pune, August 03-04, 2007.
- 26.** One day workshop on “Review of FE Syllabus (Revised Course 2008)” organized by MES, College of Engg. Pune, January 22, 2009.
- 27.** One day workshop on “Applied Physics Paper Setting (Revised Course 2008)” organized by JSPM, Rajarshi Shahu College of Engg. Pune, February 24, 2009.
- 28.** One day seminar on “Emerging Trends in Material Science” organized by SPM’s SP College, Pune, October 18, 2011.
- 29.** One day workshop on “Effective Teaching Methodologies for Engineering Sciences ” organized by D Y Patil, College of Engg. Pune, August 05, 2011.
- 30.** One day workshop on “Water distribution system - problems and remedies” organized by Department of Civil Engineering, AISSMS COE, Pune, September 21, 2012.
- 31.** One day workshop on “Syllabus Implementation of Engineering Physics” organized by PVG’s, College of Engg. And Tech, Pune, August 2012.

32. One day workshop on “Innovative Practices in Technical Teaching” organized by MES’s College of Engg., Pune, February 24, 2012.
33. Three day “Faculty development programme” organized by Faculty Training Cell, AISMS’s COE, Pune, April 17-19, 2012.
34. Two day State level seminar on “Soft Computing and its application in Engineering” organized by AISSMS’s College of Engineering, Pune, February 5-6, 2014.
35. One day “Annual Planning meeting” organized by NSS, SPPU, Pune, July 30, 2014.
36. One day workshop on “Central Pre audit planning” organized by NSS, SPPU, Pune, February 26, 2015.

Responsibilities Shouldered

1. Coordinator , Engineering Science department (1998-2006)
2. Coordinator , FE Examination (1998-2006)
3. Coordinator , Departmental Social activities (1998-2009)
4. Coordinator, Earn and Learn Scheme (1998-2006)
5. Member, Annual Technical and cultural gathering committee (ET) (1998-2009)
6. In charge, Engineering Physics Labrotary, (Till date)
7. Coordinator, NBA committee (2000-2012)
8. Guardian Faculty Member, FE Class (1998-2015)
9. Mentor, FE Batches (2000- till date)
10. Convener, Recent Advances in Engineering Materials Science (March 02,2012)
11. Coordinator, Medical Checkup camp(FE and SE) (Till date)
12. Member, Annual Cultural Programme (Shivajali)
13. Subject Coordinator , Applied Science-I and II (1999-2012)
14. Convener, Ideal class room and desk design competition (2005-06)
15. Member, Total quality management in technical education (2004-05).
16. Member, Forum of Science and Technology
17. Member, FE Admission Committee
18. Chairman, Flying Squad Committee, UOP(2008-09)
19. Member, Staff selection committee, SPPU, Pune
20. Paper setter and Moderator SPPU, Pune
21. Chairman, Local Investigation Committee. (Polytechnic)
22. Resource person, ASC, SPPU, Pune
23. Expert, Technical paper Presentation competition, National Science day 2008.
24. Member, Syllabus designing committee BE course (First year- Physics) , TMV, Pune
25. Coordinator, Science Exhibition, Engineering Today -2013.
26. Programme Officer, National service scheme (2014-till date)

Achievements / Awards and any other information

1. Second prize for best paper presentation XVIII National seminar on crystal growth (with international participation) in association with Indian association of crystal growth organized by center for crystal growth, SSN College of Engineering, Kalavakkam, Chennai-603110, Tamilnadu. February 24-26, 2014.
2. Certificate of Appreciation issued by Engineering Education Foundation, Pune for significant contribution in organizing conference on “Towards Quality Engineering Education”
3. Certificate of Appreciation issued by AISSMS’S College of Engineering, Pune-01