



Dr. Nitin Ramesh Dhumane

Associate Professor

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Sr No	Description	Details
1	Name	Dr. Nitin Ramesh Dhumane
2	Date of Birth	01/11/1968
3	Designation	Associate Professor
4	Official address	Shri Anand College, Pathardi
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Educational Qualifications:

Qualification	University	Class / Grade	Coll ege	Year
S.S.C	Pune	Second Class	Maharashtra Vidyalaya, Pune	1984
H.S.C	Pune	Second Class	Residential Jr. College, Shevgaon	1986

B.Sc	Pune	First class with Distinction	P.V.P College, Pravaranagar	1989
M.Sc.	Pune	First class with Distinction	S.S.G.M. College, Kopargaon	1992
Ph.D.	Aurangabad	-	Department of Physics, B.A.M.U., Aurangabad	2009

Title of the thesis:

‘Growth and Characterization of Semi-Organic Non-Linear Optical (NLO) Material Crystals for Opto-Electronics Applications.’

Teaching/ Industrial Experience:

Duration	Designation	Institution	Experience
4/10/1993 till date	Associate Professor	Shri Anand College, Pathardi	30 years

Induction program/ Orientation/ Refresher/Faculty Development Program / short Term Courses attended:

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Orientation Programme	ASC-University of Poona	28/02/1997 to 27/03/1997	UGC, New Delhi
1.Refresher Course in Computer Programming (Physics)	Ahmednagar College, Ahmednagar	22/06/1998 to 19/07/1998	UGC, New Delhi
2.Refresher Course in Environmental Sciences (ID)	Academic Staff College, Goa University, Goa.	30/01/2009 to 19/02/2009	UGC, New Delhi
3.Refresher Course in I T Applications	Academic Staff College, Kumaun University, Nainital.	23/11/2011 to 13/12/2011	UGC, New Delhi
4.Refresher Course in Environmental Studies (Physics)	Gujarat University, Ahmedabad	18/12/2017 to 07/01/2018	UGC, New Delhi
Two weeks Faculty Development Programme on Managing Online	TLC, Ramanujan Collge, University of Delhi	18/05/2020 to 03/06/2020	Ministry of Human Resource Development PMMNMTT.

Classes and Co-creating MOOC's			
Two weeks Faculty Development Programme on Advanced Concept For Developing MOOC's	TLC, Ramanujan Collge, University of Delhi	02/07/2020 to 17/07/2020	Ministry of Human Resource Development PMMMNMTT

Enclosure I

Research Publications

1. **N R Dhumane**, S S Hussaini, V V Nawarkhele and M D Shirsat. "Dielectric studies of metal complexes of thiourea crystals for electro-optic modulation", **Crystal Research and Technology** **41** (2006) **897-901**.
2. **N R Dhumane**, S S Hussaini, V G Dongre and M D Shirsat. "Effect of Glycine on the Non Linear Optical (NLO) properties of Zinc (tris) Thiourea Sulfate (ZTS) single crystal", **Optical Materials** **31** (2008) **328-332**.
3. **N R Dhumane**, S S Hussaini, V G Dongre, P P Karmuse and M D Shirsat. "Growth and Characterization of Glycine doped Bis Thiourea Cadmium Chloride (BTCC) single crystal", **Crystal Research and Technology** **44**, No. **3**, (2009) **269 – 274**.
4. **N R Dhumane**, S S Hussaini, V G Dongre, P D Ghugare and M D Shirsat. "Growth and Characterization of L-Alanine doped Zinc Thiourea Chloride (ZTC) single crystal", **Applied Physics A [Springer]** **95** (2009) **727-732**.
5. **N R Dhumane**, S S Hussaini, V G Dongre and M D Shirsat. "Effect of L-Alanine on the optical properties of Zinc (tris) Thiourea Sulfate (ZTS) single crystal", **Recent Research in Science and Technology** **2(10)** (2010) **30-34**.
6. **N R Dhumane**, S S Hussaini, Kunal Datta, Prasanta Ghosh and Mahendra D Shirsat "Growth and characterization of nonlinear optical Crystal Bisthiourea cadmium chloride (BTCC) in presence of L-Alanine", **J. Pure Appl. & Ind. Phys. Vol.1** (1), (2010) **45-52**.
7. S S Hussaini, **N R Dhumane**, G Rabbani, P Karmuse, V G Dongre and M D Shirsat. "Growth and high frequency dielectric study of pure and thiourea doped KDP crystals", **Crystal Research and Technology** **42** (2007) **1110-1116**.
8. S S Hussaini, **N R Dhumane**, V G Dongre, P Karmuse, P Ghughare and M D Shirsat. "Growth and characterization of glycine doped KDP single crystal for optoelectronics applications", **Journal of Optoelectronics and Advanced Materials** **1** (2007) **707-711..**

9. S S Hussaini, **N R Dhumane**, V G Dongre and M D Shirsat. "Influence of Lithium ion on NLO Properties of BTCC single crystals", **Crystal Research and Technology** **43(2008) 756-761**.
10. S S Hussaini, **N R Dhumane**, V G Dongre, M D Shirsat. "Effect of glycine on optical properties of Zinc Thiourea Chloride (ZTC) single crystal", **Journal of Optoelectronics and Advanced Materials** **2 (2008) 108-112**.
11. S S Hussaini, **N R Dhumane**, V G Dongre, M D Shirsat. "Growth and dielectric study of ZTC semi organic non linear optical (NLO) crystal for electro-optic modulation", **Journal of Optoelectronics and Advanced Materials** **2 (2008) 470**.
12. S S Hussaini, **N R Dhumane**, V G Dongre, and M D Shirsat. "Growth and high frequency dielectric study of non-linear optical Zinc (tris) Thiourea Sulphate crystal", **Frontiers of Microwaves and Optoelectronics (2008), 141-149, ISBN 978-81-89927-19-6**.
13. S S Hussaini, **N R Dhumane**, V G Dongre, and M D Shirsat. "Effect of glycine on optical and thermal properties of KDP single crystal", **Frontiers of Microwaves and Optoelectronics (2008), 196-201, ISBN 978-81-89927-19-6**.
14. S S Hussaini, **N R Dhumane**, V G Dongre, P Karmuse, P Ghughare and M D Shirsat. "Growth and Characterization of a NLO crystal- Tri-Glycine Acetate (TGAc)", **Materials Science-Poland** **27 (2009) 365-372**.
15. S S Hussaini, **N R Dhumane** and Mahendra D. Shirsat "Growth and characterizations of bis glycine hydrogen bromide (BGHB) single crystal: new nonlinear optical material", **Recent Research in Science and Technology** **4(2), 2012 10-12**.
16. **N R Dhumane** "Comparative Study of non-linear optical properties of Glycine and L-Alanine dope Zinc tris Thiourea Sulfate single crystal", **International Research Journal of Science and Engineering** **2018 2322-0015**
17. **N R Dhumane** "Studies on SHG efficiency of 1 mole % L-Alanine doped ZTS AND BTCC Single crystal" **International Journal of Recent Scientific Research Vol. 12, Issue, 07 I, 2021 42311-42315**
18. **N R Dhumane** "Dielectric Studies Of Glycine Doped Zinc (Tris) Thiourea Sulfate Single Crystal" **The Journal of Maharaja Sayajirao University of Baroda ISBN: 0025-0422, Vol. No. 55, Issue. No. 2 pp. 284-287, (2021)**.
19. **N R Dhumane** "Comparative Studies Of SHG Efficiency Of L-Alanine And Glycine Doped Bisthiourea Cadmium Chloride (BTCC) Single Crystal" **The Journal of Maharaja Sayajirao University of Baroda ISBN: 0025-0422, Vol. No. 55, Issue. No. 2 pp. 356-360, (2021)**.
20. **N R Dhumane** "SHG and Thermal Studies of Metal Complexes of Thiourea Non-linear optical (NLO) Material Single Crystals" **The International journal of analytical and experimental modal analysis Volume XIV, Issue I, January/2022 ISSN NO:0886-9367, Vol. No. XIV, Issue No. 1, pp. 103-108**

Seminars/Workshops/Conferences

1. Participated and presented a paper entitled “**Growth And Optical Studies of Bis Glycine Hydrogen Bromide (BGHB) Single Crystal**” at the **National Conference on Recent Trends in Material Research** organized by Department of Physics, Birla College, Kalyan Dist. Thane on 29th and 30th January 2011.
2. Attended and presented a paper entitled “**Study the effect of L-Alanine on Optical properties of Zinc Thiourea Sulphate (ZTS) single crystal**”, at the **International Conference on Advanced Materials and Applications**, held at Department of Physics, Shivaji University, Kolhapur, Maharashtra,. Held during 15-17 November, 2007.
3. Attended and presented a paper entitled “**Study the effect of L-Alanine on the Optical and Thermal properties of Zinc (Tris) thiourea Sulphate Single crystal for Optoelectronics applications**”, at the **International Conference on Microwaves and Optoelectronics**, held at Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra,. Held during 17-20 December, 2007.
4. Participated and presented a paper in the **National Symposium on ‘Crystal Growth and Characterization’** organized by Loyola College, Chennai on 29th and 30th September 2005

Paper Presentation/ Resource person

- **Delivered lecture** at state level conference on “**Recent Trends in Material Science**”, held at Shri Anand College, Pathardi, Ahmednagar, on February 15th & 16th 2016
- **Paper presented** at National Level Conference on “**Advances in Life Sciences**” held at P. G. Department of Botany, KKHA Arts, SMGL Commerce and SPHJ Science College, Chandwad, Dist- Nashik, Maharashtra, on 19-20 January 2018
- **Delivered lecture** at state level conference on “**Advances in life sciences for sustainable development**”, held at Dada Patil Rajale Art's, Science and Commerce College, Pathardi, Ahmednagar, on January 22nd & 23th 2019.
- **Presented a paper** entitled ‘Growth and Characterization of Bis Glycine Hydrogen Bromide (BGHB) NLO Single Crystal’ at National Conference on Advanced Materials, Technology, applications and Education organized by Balasaheb Jadhav College, Ale, Dist. Pune, 16th October 2021
- **Presented a paper** entitled ‘Fabrication of acetylcholinesterase sensor based on polyaniline/ K₂Cr₂O₇ composite film modified electrode for amperometric detection

of carbary' at International Conference on Advanced Materials in Innovative Technology (ICAMIT) organized by Milliya Arts, Science and Management science college, Beed, 11th January 2022

Recognitions/Achievements/Awards

- **'Bhaskar Raye Memorial Award' for Best Teacher, Indian Physics Association (Pune Chapter) 2016**

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