

Name of Faculty: Dr. Shaikh Rais N.

Department: Physics

## **PUBLICATIONS**

### **I. Research Papers Published in the Peer-reviewed International / National Journals notified on UGC website**

<b>Sr. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISBN / ISSN number</b>	<b>Link of the recognition in UGC enlistment of the Journal</b>	<b>Impact factor</b>
1.	Integrity in Linear and Nonlinear Optical Properties of L-Tyrosine Doped Bis-thiourea Cadmium Acetate Single Crystal	Siddique Aneesa Fatema, Y.B. Rasal, R.N. Shaikh, M.D. Shirsat, S.S Hussaini	Journal of Ferroelectrics	2020	0015-0193	-	0.8
2.	Focusing Growth and Characterization Studies of Potassium Chloride (KCL) Doped Bis-Thiourea Cadmium Acetate (BTCA) Single Crystals	Siddique Aneesa Fatema, Rupali B. Kulkarni, R.N.Shaikh, Mahendra D. Shirsat, S.S Hussaini	Research Journey	2020	2348-7143	--	6.261
3.	“ Studies on linear Optical Properties of Potassium Chloride Doped Bis Thiourea Cadmium Acetate Crystals	Siddique Aneesa Fatema, R.N. Shaikh, R.B Kulkarni, Mahendra D.Shirsat ,	Our Heritage(UGC Care Listed),	Special Issue- 12-Feb 2020.	ISSN: 0474-9030	--	--

		S. S. Hussaini					
4.	Optical Properties Of L-Threonine Zinc Acetate NLO Crystal	R.N. Shaikh Y.B. Rasal, M. D. Shirsat, S.S. Hussaini	RESEARCH JOURNEY International Multidisciplinary E-Research Journal	March 2019	ISSN-2348-7143	40705	6.261
5.	Study Of Bis Thiourea Zinc Sulphate Doped Potassium Dihydrogen Phosphate Crystal	Y.B. Rasal, R.N. Shaikh, R. B. Kulkarni, M. D. Shirsat , S.S. Hussaini	” RESEARCH JOURNEY International Multidisciplinary E-Research Journal	March 2019	ISSN-2348-7143	40705	6.261
6.	Effect of Microwave Power on sewage waste water	J. M. Kihiko, Shaikh Mohd. Azhar, R.N Shaikh, Gulam Rabbani	RESEARCH JOURNEY International Multidisciplinary E-Research Journal	March 2019	ISSN-2348-7143	40705	6.261
7.	Studies On Linear Optical Properties of ADP-KDP Mixed Crystal For Electro-Optic Applications	R. N. Shaikh, Y. B. Rasal, M. D. Shirsat, S. S. Hussaini	International Journal of Advance and Innovative Research	January – March 2019	ISSN-23947780	63571	7.36
8.	Enhancement in optical Properties of Nickel Thiourea nitrate Doping in Potassium Dihydrogen Phosphate(KDP)	Y. B. Rasal, R. N. Shaikh, M. D. Shirsat, S. S. Hussaini	International Journal of Advance and Innovative Research	January – March 2019	ISSN-2394-9954	63571	7.36

9.	“Systematic analysis on linear and laser induced nonlinear optical traits of citrulline doped NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> (ADP) crystal	R. N. Shaikh, M. Anis, M. D. Shirsat, S. S. Hussaini	Optik-International Journal for Light and Electron Optics	2018	ISSN: 0030-4026	DOI: <a href="https://doi.org/10.1016/j.ijleo.2017.10.107">10.1016/j.ijleo.2017.10.107</a>	1.914
10.	Influence of bis thiourea nickel nitrate on the structural, optical, electrical, thermal and mechanical behavior of KDP single crystal for NLO applications	Y B Rasal, R N Shaikh, M.D. Shirsat, S Kalainathan, S.S. Hussaini,	Mater. Res. Express	2017	ISSN: 2053-1591	DOI: <a href="https://doi.org/10.1088/2053-1591/aa5a66">10.1088/2053-1591/aa5a66</a> .	1.929
11.	Analysis of the x-ray diffraction, etching, luminescence, photoconductivity, thermal and dielectric properties of an ADP crystal influenced by the bimetallic additive sodium metasilicate (Na <sub>2</sub> SiO <sub>3</sub> )	Mohd Anis, S.S. Hussaini, M.D. Shirsat, R.N Shaikh, G.G Muley	Mater. Res. Express	2017	ISSN: 2053-1591	==	1.929
12.	The Investigation of Potassium tetra thiourea chloride on linear –nonlinear optical, electrical and mechanical properties of KDP crystal for NLO applications	Y.B. Rasal, R.N. Shaikh, M.D. Shirsat, S. Kalainathan and S S Hussaini	Ferroelectrics	2017	ISSN: 0015-0193	<a href="https://doi.org/10.1080/00150193.2017.1374806">https://doi.org/10.1080/00150193.2017.1374806</a> .	0.669
13.	Studies on optical, thermal, mechanical and dielectric properties of L-Cysteine	R N Shaikh, Mohd Anis, G. Rabbani, M D Shirsat and S S	Journal of optoelectronics and Advanced	2016	ISSN :1842-6573	---	0.449

	doped KDP crystal to explore NLO device applications	Hussaini	Materials, Vol.10- Issue 7-8				
14.	Effect of Potassium Thiourea Chloride on Structural and Optical properties of Potassium Dihydrogen phosphate crystal	Y. B. Rasal, R. N. Shaikh, Mohd. Anis, M. D. Shirsat, S. S. Hussaini	Journal of Bionano Frontier, 8 (3)	2015	ISSN: 232 0-9593.	---	1.76
15.	Investigation on fluorescence, third order nonlinear optical and mechanical performance of glycine doped ADP crystal for applications of photonic devices	R.N. Shaikh, Mohd. Anis, M. D. Shirsat, S. S. Hussaini	Journal of Materials Technology: Advanced Performance Materials	2015	ISSN: 175 3-5557.	DOI 10.1179/175 3555715Y.0 000000039	0.449
16.	Optical properties of Disodium hydrogen Phosphate (DSHP) single crystal	R. N. Shaikh, Mohd. Anis, S. S. Hussaini	International Journal of Advanced Research in basic and applied sciences	2014	ISSN : 2394-4047	--	--
17.	Optical Studies of Amino acids doped Ammonium Dihydrogen Phosphate (ADP) crystals for NLO Applications	R.N.Shaikh, S.R. Mitkar, Mohd Anis, Mahendra D.Shirsat and S.S.Hussaini	International Journal of Chem Tech Research,	June 2014	ISSN : 0974-4290	--	0.57
18.	UV-Visible Study and Determination of Optical Constant of L-arginine Maelate Crystal	R.N.Shaikh, Mohd.Anis, M.D.Shirsat, S.S.Hussaini	Journal of Advances in Applied Sciences and Technology	2014	ISSN: 2393-8188	--	--

			Vol.1				
19.	Spectral and Optical Studies OF L-Histidine (LH) Doped Malic Acid Crystal	R.N.Shaikh, M.D.Shirsat, S.S. Hussaini, R. Machale	Journal of Advances in Applied Sciences and Technology	2014	ISSN: 2393-8188	--	--
20.	A study on Optical, dielectric and NLO Properties of L-alanine added ammonium dihydrogen phosphate single crystal	R.N.Shaikh, Mohd. Anis, M.D.Shirsat, S.S.Hussaini	Journal of optoelectronics and Advanced Materials,	Sept 2014	ISSN 184 2-6573	--	0.5
21.	Study on optical properties of L-valine doped ADP crystal	R.N.Shaikh, Mohd. Anis, M.D. Shirsat, S.S. Hussaini	Journal of Spectrochemica Acta Part A: Molecular and Bimolecular Spectroscopy,	2014	ISSN: 138 6-1425	<a href="https://doi.org/10.1016/j.saa.2014.10.009">https://doi.org/10.1016/j.saa.2014.10.009</a>	2.88
22.	Effect of L-cysteine on optical, thermal and mechanical properties of ADP crystal for NLO application	R.N. Shaikh, M.D. Shirsat, P.M. Koinker, S.S. Hussaini	Journal of Optics and Laser Technology,	2015	ISSN: 003 0-3992	<a href="https://doi.org/10.1016/j.optlastec.2014.12.011">https://doi.org/10.1016/j.optlastec.2014.12.011</a>	2.503
23.	Studies on linear optical properties of glycine doped DSHP crystals	R.N. Shaikh, Mohd Anis, M.D. Shirsat, S.S. Hussaini	Journal of Advances in Applied Sciences and Technology, Special issue of material	2014	ISSN: 2393-8188	--	--

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24.	Investigation on the Linear and Nonlinear Optical Properties of L-Lysine Doped Ammonium Dihydrogen Phosphate Crystal for NLO Applications	R.N.Shaikh, Mohd. Anis, M.D. Shirsat, S.S.Hussaini	IOSR Journal of Applied Physics (IOSR-JAP),	Jan. 2014	e-ISSN 2278-4861	--	1.345
25.	Growth, Optical and Dielectric study of pure and Glycine doped Ammonium dihydrogen NLO Crystal: Potential Material for Optoelectronics Applications	R.N.Shaikh, Mohd.Anis, A.B. Ghambhire, M.D.Shirsat, S.S.Hussaini	Journal of Material research Express,	2014	ISSN 015016	doi10.1088:/2053-1591/1/1/015016.	1.15
26.	Investigation of optical and electrical properties of L-Cysteine doped zinc thiourea chloride (ZTC) crystal for nonlinear optical (NLO) applications	Mohd.Anis, R.N.Shaikh, M.D.Shirsat, S.S.Hussaini	Journal of Optics & Laser Technology,	2014	ISSN0030-3992	DOI: 10.1016/j.optlastec.2014.01.011	1.365

## II. Research Papers Published / Presented in International / National Conference Proceedings

Sr. No.	Title of the Paper	Title of Conference / Seminar	ISBN / ISSN number of the proceeding	Organized by	Date
1.	Impact of Nickel Thiourea Nitrate on Structural and optical properties of potassium dihydrogen phosphate (KDP)	8 <sup>th</sup> International conference on Advanced Materials Development and Performance.	--	Dept. of Physics, Swa. Phule University, Pune	11-15 July 2017
2.	Optical studies of Zinc Thiourea doped KDP Crystal for Optoelectronics Applications	20 <sup>th</sup> National Seminar on Crystal Growth & Application	--	Bhabha Atomic research centre, Mumbai	19-21 January 2016.
3.	Optical Studies of Potassium Thiourea Chloride doped KDP Crystal for Optoelectronics Applications	National Conference on Material Science & Renewable Energy Sources	ISBN 978-93-84810-17-7	Shahu College, Latur	11-12 March 2016.
4.	Comparative Analysis on optical Properties of Pure and doped Maleic Acid crystal for NLO Device Applications”	National Conference on Medical Applications of Pulse Laser And Diagnostic Techniques	ISSN 2394-4047	Adarsh College, Omerga	January 2015.
5.	Optical studies of Amino acids doped Ammonium Dihydrogen Phosphate (ADP) crystals for NLO Applications	International conference on Materials and Characterization Techniques	--	VIT Vellore	10-12 March 2014

6.	Studies on optical, spectral, surface morphology and SHG efficiency of Glycine doped bis thiourea cadmium formate crystals”	National Seminar on Crystal Growth	--	SSN College of Engineering, Chennai	24-26 Feb 2014
7.	Structural and Optical Characterization of Glycine Doped Malic Acid crystals for NLO Applications	National conference on Microwave Techniques and Applications	ISBN-978-93-83587-03-2	Maulana Azad College, Aurangabad	29-30 Nov. 2013
8.	Optical And Dielectric Studies of L- Lysine Doped ADP Single Crystal”	National conference on Upcoming trends in Chemical Science	ISBN-978-81-905776-99-9	ShriAnand College Pathardi	06-07 Sept. 2013
9.	Growth and characterization of L-Alanine doped ADP Single Crystal for Optoelectronics Applications	National conference on Upcoming trends in Chemical Science	ISBN-978-81-905776-99-9	Shri Anand College Pathardi	06-07 Sept. 2013
10.	Growth Study of Glycine doped ADP single crystal	National Conference on Laser and Advanced Materials	--	Dept. of Physics Sant Gadge Baba Univ. Amravati	29-30 May 2012