

# Curriculum Vitae



**Dr. Shaikh Rais Nayeem,**  
Assistant Professor  
**Crystal Growth Laboratory,**  
Department of Physics,  
Milliya Art's, Science and Management Science college BEED - 431 122 (MS) India

**Curriculum Vitae****Name:Dr.Shaikh Rais Nayeem****I. Personal Memorandum**

**Designation** : Assistant Professor  
**Date of Appointment** : 01 Aug. 1999  
**Mailing Address** : Crystal Growth Laboratory,  
 Department of Physics  
 Milliya Art's, Science and Management Science  
 College, BEED431122 (MS) India  
**Phone Numbers** : Office: 91-2442 -224208  
 Fax:91 – 2442 - 224208  
 Cell: 91-9921711288  
**E-mail** : raishshaikh9@gmail.com  
**Date of Birth** : May21, 1972

**II.Academic Preparation:**

Sr. No.	Degree	Board/University	Grade/ Division	Year
1	SSC	HSC and SSC board Aurangabad	First Division	1988
2	HSC	HSC and SSC board Aurangabad	Second Division	1990
3	GRADUATION	Marathawada University, Aurangabad	First Division	1993
4	POST GRADUATION	Dr. Babasaheb Ambedkar. Marathawada University, Aurangabad	First Division	1995
5	B.Ed.	Dr. Babasaheb Ambedkar Marathawada University, Aurangabad	First Division	1996
5	M.Phil	Madurai Kamraj University, Madurai	First Division	2007
6	Ph.D.	Dr. Babasaheb Ambedkar Marathawada University, Aurangabad	--	2015

**III. Research and Teaching Experience:**

Course taught	Name of the institution	From	To	Total(Years Month)
UG	Anjuman Ishat-e-Taleem, Beed's Milliya Arts, Sci., & Mang.Sci. College, Beed.(MS)	01/08/ 1999	Till date	19years

**M. Phil.Title:** “Study of Nitro group Molecules through Dielectric Relaxation Study”.

**Ph.D Title :**“Effect of Amino Acids on Non Linear Optical Material Crystals”.

**IV. Administrative Work/ Extracurricular Work:**

Sr. No	Designation	Period
1	Chairman of Examination and Evaluation Committee	From 2009
2	Chairman of Time Table Committee	From 2017
3	Member of IQAC	From 2019
4	Member of Science Forum	From 2016
5	Member of Moodle and Website Committee	From 2015 to 2018
6	Member of Wall Paper & Wall Magazine Committee	From 2014 to 2018
7	Member of EOMS (ISO)	From 2019

**V:- Refresher./Short term courses attended:(03)**

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Refresher Course (Physics/Comp.Sci./Electronics)	A.S.C. Dr. B.A.M.U. Aurangabad	05/03/2012 to 27/03/2012	UGC
Refresher Course (Disaster Management-Interdisciplinary)	H.R.D. Center JamiyaMilliya Islamiya, New Delhi	09-02-2015 to 02-03-2015	UGC
Short Term course- on Basic Science	H.R.D. Center Dr. B.A.M.U Aurangabad	07-09-2015 to 12-09-2015	UGC
Faculty Development Program on” Advanced Analytical Testing And Characterization	MIT, Aurangabad	2-7-2018 To 7-7-2018	

**VI: Short term courses and FDP attended on Online:-06**

Sr. No	Title e of Course	Organizing Institute	Duration
1.	One Week National Online Faculty Development Program on “ <b>ICT Tools for Effective Teaching Learning</b> ”	School of Mathematical Sciences, SRT Marathwada University, Nanded.	11-16 May 2020
2.	Online one week Faculty Development Program on “ <b>NAAC Assessment and Accreditation</b> ”	Shri Shivaji College, Parbhani	21-26 May 2020
3.	On line Short Term Course on “ <b>Physics in Daily Life</b> ”	Sawarkar College, Beed	25 <sup>th</sup> April To 1 <sup>st</sup> May 2020
4.	Two Days National Online Faculty Development Program on “ <b>Designing and Implementation of Outcome Based Education (OBE) Model</b> ”	Department of Physics, Shri Muktanand College, Gangapur, Dist. Aurangabad	07-08 July 2020
5.	Two Day Online National level Faculty Development Program on “ <b>Virtual Physics Labs</b> ”	Malla Reddy Institute of Engineering & Technology, Hyderabad	04-05 June 2020
6.	UGC Paramarsh Online Faculty Development Programme on “ <b>NAAC Assessment And Accreditation</b> ”	Shivaji College Parbhani	21 to 26 <sup>th</sup> May 2020

**VII: Orientation course attended:(01)**

Name of the Course	Place	Duration	Sponsoring Agency
76 <sup>th</sup> Orientation Course	A.S.C. Dr. B.A.M.U. Aurangabad	02/01/2009 to 31/01/2010	UGC

**VIII. Expertise / Areas of specialization**

- **Growth of NLO Material Crystals**
- **Nuclear Physics**

**IX. Research Project (Co-investigator):(03)**

Sr. No.	Title	Agency	Period	Status	Grant / Amount Mobilized (Rs Lakh)
1.	Growth & Characterization of Non-Linear Optical (NLO)Material Crystals using Solution Growth Technique for Opto- Electronic Applications	UGC	2 Years (2011-2012)	Completed	1,25,000/-
2.	Growth & characterizations of high quality NLO crystals for frequency conversion device	DST	3 Years (2012-2015)	Completed	18,75,000/
3.	Modeling & Simulation of Hyper spectral Imager for Lunar Miner Mixing Analysis.	ISRO	3 years (2016-2019)	Ongoing	19,58,000/-

**X. Synergic Activities: (02)****Conference Organized:**

Sr. No	Date	Topic	Level	Convener/Co-Convener
1	23-24 December, 2014.	Material Science and Technology (NCMST-2014),	National level	Co- Convener
2	Since Last Three Years	Physics-Maths Knowledge Test	State Level	Convener
3	24 August 2019	e-content Development & MOOC-2019	National	Co- Convener

**XI Reviewer of National/International Journals**

Sr. No.	Journals	Publication
1	Physica Scripta	IOP Science

**XII. Awards/Prize: (02)**

Sr.No	Name of Award	Awarding Agency	Year
1	State Level Ideal Teacher Award	Padmpani Prathisthan Beed	2018
2	Ideal Teacher Award	The School Express, Beed	2018

**XIII. List of Conferences/Seminars/Workshops/Symposium attended:(41)**

Sr. No.	Title of the Conference/Seminar /Workshop	Place	Date
1.	National Conference on “ <b>Recent Trends In Material Science &amp; Nano Technology</b> ”	AD College, Kada	17 March 2019
2.	National Conference on “ <b>Functional Material Synthesis and characterization</b> ”	Vaidyanath College, Parli	02 March 2019
3.	8 <sup>th</sup> International conference on “ <b>Advanced Materials Development and Performance</b> ”	Dept. of Physics, Savitribai Phule Pune Univ. Pune	11-15 July 2017
4.	National Conference on “ <b>Material Science and Renewable Energy Sources</b> ”	Rajarshi Mahavidyalaya, Latur	11-12 Mar. 2016
5.	State level Seminar on “ <b>Recent Trends In Material Science and Applied Physics</b> ”	Hutatma Rajguru Mahavidyalaya, Rajguru nagar, Pune	05 Jan. 2016
6.	Acquaintance Programme on “ <b>Awareness About Facilities and Research Opportunities at Inter Univ. Accelerator Center(IUAC)</b> ”, New Delhi	Dept. of Physics Dr B A M U Aurangabad.	01 May 2015
7.	International Conference on” <b>Functional Materials and Microwaves</b> ”	Dept. of Physics Dr B A M U Aurangabad.	28-30 Dec. 2015
8.	National Conference on “ <b>Medical Applications of Pulse Laser and Diagnostic Techniques</b> ”	Adarsh Mahavidyalaya, Omerga	27-28 Jan. 2015
9.	National Conference on “ <b>Materials Synthesis for Device Level Applications</b> ”,	R.P. Mahavidyalaya, Osmanabad (MS)	29-30 January 2015
10.	National Conference on “ <b>Materials Science</b> ”	Mrs. K.S.K College, Beed	12-13 Dec. 2014
11.	International Conference on ” <b>Materials and Characterization Techniques</b> ”	VIT University, Vallore, TamilNandu,	10-12 March 2014
12.	XVIII National Seminar on “ <b>Crystal Growth</b> ”	SSN College of Engineering, Kalavakkam, Tamil Nandu	24-26 Feb. 2014
13.	National Conference on “ <b>Microwave Techniques and Applications</b> ”	Maulana Azad College, Aurangabad	29-30 Nov. 2013

14.	National Seminar on “ <b>Innovative Teaching Methods in Physics</b> ”	Doegiri College, Aurangabad	30-31 Aug 2013
15.	National Conference on “ <b>Upcoming Trends In Chemical Science</b> ”	ShriAnand College Pathardi	06 -07 Sept. 2013
16.	Regional Workshop on “ <b>Microcontrollers and its Applications</b> ”	IETE, Aurangabad	5-6 July 2013
17.	National conference on “ <b>Lasers and Their Applications</b> ”	B.N.B College, Digras.	28 Dec. 2012
18.	National conference on “ <b>Lasers and Advanced Materials</b> ”	Dept. of Physics SantGadge Baba Amravati University Amravati	29-30 May 2012
19.	Regional level Workshop on “ <b>B.Sc. II Semester III and IV semester Physics Practical</b> ”	Deogiri College Aurangabad.	22January 2011
20.	Orientation camp in “ <b>Effective teaching Methodologies and Use of I.C.T. in Physics</b> ”	Balbhim College, Beed	01 Aug. 2010
21.	State Level Conference on “ <b>Trends in Bio-Aerodynamic Studies</b> ”	R B Attal college Gevrai.	5-6 Dec. 2008
22.	State Level Workshop on “ <b>Method of Effective Teaching in Quantum Mechanics At Graduate Level</b> ”	R B Attal college Gevrai	4 <sup>th</sup> Oct. 2008
23.	National Conference on “ <b>Current Trends In Materials Research For Advanced Technology</b> ”	Dept. of Physics Dr B A M U Aurangabad.	29-31 Jan 2007
24.	A state Level Workshop on “ <b>B.Sc Physics Practical (New UGC Syllabus)</b> ”	Maulana Azad Aurangabad.	16 Sept. 2005
25.	State Level Workshop on “ <b>B.Sc. Physics Practicals</b> ”	Deogiri College Aurangabad	19 August 2004
26.	State Level Workshop on, “ <b>Physics Experiment In NEW CURRICULUM</b> ”	R G Bagdia Arts, S B Lakhonda and Bezonji Science College Jalna	12-13 Sept. 2003
<b><u>List of Conferences/Seminars/Workshops/Symposium attended:</u></b> <b>“Other Discipline”</b>			
1.	Two days National Conference on “ <b>E-content Development for Effective teaching</b> ”	Gandhi College, Kada	21-22 Sept 2019
2.	National Conference on “ <b>Quality Enhancement in Teaching, learning and Research</b> ”	Balbhim College, BEED	14 Sept 2019
3.	International Conference on “ <b>Emerging</b> ”	Milliya College, BEED	07 Feb 2019

	<b>Trends in Microbiological Sciences &amp; IPR “</b>		
4.	One day online workshop o <b>“Crowd Sourcing and Participatory GIS”</b>	<b>ISRO centre Milliya College, Beed</b>	<b>21 Dec 2018</b>
5.	One day State Level workshop on <b>“Quality culture Development”</b>	<b>IQAC Milliya College, Beed</b>	<b>24 Aug 2018</b>
6.	One day State Level workshop on <b>“Sexual Harassment of women at work place”</b>	<b>ICC Milliya College, Beed</b>	<b>14 Aug 2018</b>
7.	One day online workshop on <b>“Geo Spatial Technologies and sendai framework for Disaster Risk Reduction”</b>	<b>IIRS ISRO &amp; Milliya College, Beed</b>	<b>10July 2018</b>
8.	One day State Level workshop on <b>“Intellectual Property Right Indian Prespective”</b>	<b>IQAC Milliya College, Beed</b>	<b>14 Feb 2018</b>
9.	National Seminar on <b>“Research Methodology in Life Sciences”</b>	<b>Dr. Rafiq Zakaria College, for Women, Aurangabad</b>	<b>04 Feb. 2018</b>
10.	One day Workshop on <b>“NAAC(New Method) Related Quality Culture Development”</b>	<b>Shri Sidheshwar College, Majalgaon</b>	<b>27 Nov. 2017</b>
11.	One day workshop on <b>“How to manage Money and be a Smart Investor”</b>	<b>Milliya College, BEED</b>	<b>11 Sept. 2017</b>
12.	National workshop on <b>“Popularisation of Remote Sensing Based Maps &amp; Geospatial Information”</b>	<b>ISRS, ISRO and Milliya College BEED</b>	<b>11 Aug. 2017</b>
13.	One day Workshop on <b>“Research Opportunities at RUSA Centre for Advanced Sensor Technology and Drafting of Research Proposal”</b>	<b>IQAC Milliya College, Beed</b>	<b>25 April 2017</b>
14.	National conference on <b>“ Recent Trends on Environmental Toxicology”</b>	<b>Milliya College, BEED</b>	<b>4 -5 August 2010.</b>
15.	National level Seminar on <b>“Modern Trends in Environmental Pollution &amp; Ecoplaning”</b>	<b>Dr. Rafiq Zakaria College, for Women, Aurangabad</b>	<b>31 Dec. 2010</b>



**XIV List of Conferences/Seminars/Workshops/Symposium attended Online:(07)**

1.	<b>Recent Trends in Rough Set, Fuzzy Set Theory and Material Science</b>	Vyankatesh College, Deulgaon Raja Dist - Buldhana	08 Aug 2020
2.	<b>Webinar on “Recent developments in Material Science and Nanotechnology”</b>	MSP Mandals Arts, Commerce and Science College, Kille Dharur Dist- Beed	23 July 2020
3.	One Day National online seminar on <b>"Recent Trends in Materials Research"</b>	Department of Physics, Balwant College, Vita Dist- Sangli.	29 July 2020
4.	National Webinar on <b>“Career Opportunities in Physical and Mathematical Sciences for U.G. and P.G. students”</b>	Department of Physics, Department of Mathematics Shri Shivaji Science and Arts College, Chikhli, Dist. Buldana	29 July 2020
5.	National Webinar on <b>“Learning Physics: Opportunities in Difficulties</b>	Department of Physics, D.B.F. Dayanand College of Arts & Science, Solapur	26 June 2020
6.	Webinar on <b>“Importance of Physics In Industry And Opportunities For Physics Students”</b>	Department of Physics, Milind College of Science, Aurangabad	21 July 2020
7.	Online International Conference on <b>“Advanced Materials: Smart Future</b>	Shri Lemdeo Patil College, Mandhal and Shri Sant Gadge Maharaj College, Hingana, Dist-Nagpur	11 July 2020

**List of Conferences/Seminars/Workshops/Symposium attended Online:(09)**

**“Other Discipline”**

1.	One day State level Workshop on <b>“The Online Procedure to be Followed for Admission and Examination”</b>	Adv. B.D. Hambarde College, Ashti, Dist-Beed	01 June 2020
2.	One day National Webinar on <b>“Research Methodology”</b>	Yashwantrao Chavan College, Ambajogai, Dist- Beed	15 June 2020
3.	National Level Webinar on <b>“Towards Excellence in Higher Education in 21<sup>st</sup> Century: Challenges and Opportunities”</b>	S.S.T. College of Arts and Commerce, Ulhasnagar, Dist- Thane	10 May 2020
4.	One-day National online Seminar on	Ramnarain Ruia Autonomous	21 May 2020

	<b>“Research Writing and Enhancing Visibility”</b>	College, Mumbai	
5.	Webinar on <b>“Importance of Digitalization and Online Documentation for NAAC Accreditation and NIRF Ranking ”</b>	Jawahar ASC College, Andur, Dist- Osmanabad	29 July 2020
6.	One day Workshop on <b>“NAAC Revised Accreditation Framework ”</b>	Deogiri College, Aurangabad	19 June 2020
7.	One day NAAC Workshop	Balbhim College, Beed	10 June 2020
8.	One Day Workshop on <b>“Performance Based Appraisal System (PBAS) - Academic Performance Indicators (API) for Teachers”</b>	Bharatiya Mahavidyalaya, Amravati	23 July 2020
9.	Ten-day online International Symposium on <b>“Thought-Experimentation in Humanities, Science and Science Fiction”</b>	Shri Muktanand College, Gangapur, Dist. Aurangabad	21-30 July 2020

**XV Research Papers Published / Presented in International / National Conference Proceedings: (14)**

Sr. No.	Title of the Paper Presented	Title of Conference / Seminar	Organized by	Month/ Year
1.	Optical Properties of L-Threonine Zinc Acetate NLO Crystal	National Conference on “Recent Trends In Material Science & Nano Technology”	AD College, Kada	17 March 2019
2.	Studies On Linear Optical Properties of ADP-KDP Mixed Crystal For Electro-Optic Applications	National Conference on “ Functional Material Synthesis and characterization”	Vaidyanath College, Parli	02 March 2019
3.	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
4.	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.

5.	Optical Studies of Potassium Thiourea Chloride doped KDP Crystal for Optoelectronics Applications	National Conference on Material Science & Renewable Energy Sources	Shahu College, Latur	11-12 March 2016.
6.	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	Adarsh College, Omerga	January 2015.
7.	Optical Properties of Disodium Phosphate(DSHP)single Crystal”	National Conference on Material Science,	Mrs. K.S. K. College, Beed	12-13 Dec. 2014.
8.	Studies on linear optical properties of glycine doped DSHP crystals	National Conference on Material Science& Technology	Milliya College, Beed	23-24 Dec. 2014.
9.	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
10.	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
11.	Structural and Optical Characterization of Glycine Doped Malic Acid crystals for NLO Applications	National conference on Microwave Techniques and Applications	Maulana Azad College, Aurangabad	29-30 Nov. 2013
12.	Optical And Dielectric Studies of L- Lysine Doped ADP Single Crystal”	National conference on Upcoming trends in Chemical Science	ShriAnand College Pathardi	06-07 Sept. 2013
13.	Growth and characterization of L-Alanine doped ADP Single Crystal for Optoelectronics Applications	National conference on Upcoming trends in Chemical Science	ShriAnand College Pathardi	06-07 Sept. 2013
14.	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

**XVI:-Citations Index:**

Sr. No	Indexing/Citation database Agency	Citations	h - Index	i10 Index
1.	Google Scholar Status	<b>269</b>	<b>10</b>	<b>10</b>
2.	Scopus Status	<b>226</b>	<b>09</b>	--
3.	Web of Science	<b>170</b>	<b>08</b>	--
4.	Research gate	<b>128</b>	<b>07</b>	--

**XVII:-PUBLICATIONS****Peer-reviewed International / National Journals: (26)**

1. Siddique Aneesa Fatema, Y.B. Rasal, R.N. Shaikh, M.D. Shirsat, **S.S Hussaini**, “ Integrity in Linear and Nonlinear Optical Properties of L-Tyrosine Doped Bis-thiourea Cadmium Acetate Single Crystal” **Journal Ferroelectrics vol-573.**
2. Siddique Aneesa Fatema, Rupali B. Kulkarni, R.N.Shaikh, Mahendra D. Shirsat, **S.S Hussaini**, “Focusing Growth and Characterization Studies of Potassium Chloride (KCL) Doped Bis-Thiourea Cadmium Acetate (BTCA) Single Crystals”, Published January-February-March, 2020, Research Journey, Volume 07, Issue 01.
3. Siddique Aneesa Fatema, R.N. Shaikh, R.B Kulkarni, Mahendra D.Shirsat , S. S. Hussaini “ Studies on linear Optical Properties of Potassium Chloride Doped Bis Thiourea Cadmium Acetate Crystals” Our Heritage(UGC Care Listed), ISSN: 0474-9030 Vol-68, Special Issue12-Feb 2020.
4. **R.N. Shaikh** Y.B. Rasal, M. D. Shirsat, S.S. Hussaini “Optical Properties Of L-Threonine Zinc Acetate NLO Crystal” **RESEARCH JOURNEY International Multidisciplinary E-Research Journal, ISSN- 2348-7143, 6 Special Issue – 168(B) March 2019 (UGC Approved No. 40705) PP-31-33.**
5. Y.B. Rasal, **R.N. Shaikh**, R. B. Kulkarni, M. D. Shirsat , S.S. Hussaini “Study Of Bis Thiourea Zinc Sulphate Doped Potassium Dihydrogen Phosphate Crystal” **RESEARCH**

**JOURNEY International Multidisciplinary E-Research Journal, ISSN- 2348-7143, 6 Special Issue – 168(B) March 2019 (UGC Approved No. 40705) PP-64-66.**

6. J. M. Kihiko, Shaikh Mohd. Azhar, **R.N Shaikh**, Gulam Rabbani “Effect of Microwave Power on sewage waste water” **RESEARCH JOURNEY International Multidisciplinary E-Research Journal, ISSN- 2348-7143, 6 Special Issue – 168(B) March 2019 (UGC Approved No. 40705) PP 124-126.**
7. **R. N. Shaikh**, Y. B. Rasal, M. D. Shirsat, S. S. Hussaini “Studies On Linear Optical Properties of ADP-KDP Mixed Crystal For Electro-Optic Applications” **International Journal of Advance and Innovative Research, Volume 6, Issue 1 ( XIX ): January – March (2019) 29-32.ISSN-2394-7780 UGC Approved-63571.**
8. Y. B. Rasal, **R. N. Shaikh**, M. D. Shirsat, S. S. Hussaini “Enhancement in optical Properties of Nickel Thiourea nitrate Doping in Potassium Dihydrogen Phosphate(KDP)” **International Journal of Research in Science and Technology, Volume 6, Issue 1, January – March (2019) 26-28.ISSN-2394-9954.**
9. **R. N. Shaikh**, M. Anis, M. D. Shirsat, S. S. Hussaini, “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”**Optik-International Journal for Light and Electron Optics, 154 (2018) PP 435-440.**
10. Y. B. Rasal, **R. N. Shaikh**, M. D. Shirsat, S Kalainathan, S. S. Hussaini, “Influence of bis thiourea nickel nitrate on the structural, optical, electrical, thermal and mechanical behavior of KDP single crystal for NLO applications” **Mater. Res. Express 4 (2017) 36202.**
11. Mohd Anis, S. S. Hussaini, M. D. Shirsat, **R. N Shaikh**, G.G. Muley, “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>)” **Mater. Res. Express 3 (2016) 106204.**
12. Y. B. Rasal, **R. N. Shaikh**, M. D. Shirsat, S. Kalainathan & S. S. Hussaini, “The investigation of potassium tetra thiourea chloride on linear-nonlinear optical, electrical&mechanical properties of KDP crystal for NLO applications” **Journal of Ferroelectric(Taylor & Francis) 520, 59–74.**
13. **R. N. Shaikh**, Mohd Anis, G. Rabbani, M. D. Shirsat and S. S. Hussaini, “Studies on optical, thermal, mechanical and dielectric properties of L-Cysteine doped KDP crystal to

- explore NLO device applications” **Journal of optoelectronics and Advanced Materials, Vol.10-Issue 7-8 (2016) PP 526-531.**
14. Y. B. Rasal, **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini, “Effect of Potassium Thiourea Chloride on Structural and Optical properties of Potassium Dihydrogen phosphate crystal” **Journal of Bionano Frontier, 8 (3), (2015) 165-167.** ISSN: 2320-9593.
  15. **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini, “Investigation on fluorescence, third order nonlinear optical and mechanical performance of glycine doped ADP crystal for applications of photonic devices” **Journal of Materials Technology: Advanced Performance Materials,(2015).**DOI: 10.1179/1753555715Y.0000000039. ISSN: 1753-5557.
  16. **R. N. Shaikh**, Mohd. Anis, S. S. Hussaini, “Optical properties of Di-sodium hydrogen Phosphate (DSHP) single crystal” **International Journal of Advanced Research in basic and applied sciences,Vol.1-Issue 1 (2014) PP 121-123.**
  17. **R. N. Shaikh**, S. R. Mitkar, Mohd Anis, M. D. Shirsat and S. S. Hussaini “Optical Studies of Amino acids doped Ammonium Dihydrogen Phosphate (ADP) crystals for NLO Applications.” **International Journal of Chem Tech Research, Vol.6, (June 2014) No.3, pp 1617-1620.**
  18. **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini “UV-Visible Study and Determination of Optical Constant of L-arginine Maelate Crystal” **Journal of Advances in Applied Sciences and Technology Vol.1 (2014) Issue1 PP 14-16.**
  19. **R. N. Shaikh**, M. D. Shirsat, S. S. Hussaini, R. Machale, “Spectral and Optical Studies OF L-Histidine (LH) Doped Malic Acid Crystal” **Journal of Advances in Applied Sciences and Technology Vol.1 (2014) Issue1 PP 11-13.**
  20. **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini, “A study on Optical, dielectric and NLO Properties of L- alanine added ammonium dihydrogen phosphate single crystal.” **Journal of optoelectronics and Advanced Materials, Vol 16, No 9-10 Sept (2014) PP 1147-1152.**

21. **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini, "Study on optical properties of L-valine doped ADP crystal." **Journal of Spectrochemica Acta Part A: Molecular and Bimolecuar Spectroscopy**, Vol 136, (2014) 1243-1248.
22. **R. N. Shaikh**, M. D. Shirsat, P. M. Koinker, S. S. Hussaini, "Effect of L-cysteine on optical, thermal and mechanical properties of ADP crystal for NLO application" **Journal of Optics and Laser Technology**, Vol 69, (2015) 8-12.
23. **R. N. Shaikh**, Mohd Anis, M. D. Shirsat, S. S. Hussaini, "Studies on linear optical properties of glycine doped DSHP crystals" **Journal of Advances in Applied Sciences and Technology**, Special issue of material science, Vol 1, (2014), 13-16.
24. **R. N. Shaikh**, Mohd. Anis, M. D. Shirsat, S. S. Hussaini, "Investigation on the Linear and Nonlinear Optical Properties of L-Lysine Doped Ammonium Dihydrogen Phosphate Crystal for NLO Applications" **IOSR Journal of Applied Physics (IOSR-JAP)**, 6, Issue 1 Ver. I (Jan. 2014), PP 42-46.
25. **R. N. Shaikh**, Mohd. Anis, A.B. Ghambhire, M. D. Shirsat, S.S. Hussaini, "Growth, Optical and Dielectric study of pure and Glycine doped Ammonium dihydrogen NLO Crystal: Potential Material for Optoelectronics Applications" **Journal of Material research Express**, Vol 1(2014) 015016 doi:10.1088/2053-1591/1/1/015016.
26. Mohd. Anis, **R. N. Shaikh**, M. D. Shirsat, S.S. Hussaini, "Investigation of optical and electrical properties of L-Cystein doped zinc thiourea chloride (ZTC) crystal for nonlinear optical (NLO) applications", **Journal of Optics & Laser Technology**, Vol 60, (2014) PP 67-129.