Curriculum Vitae

Dr. Hussaini Syed Shaukatullah Syed Azmatullah,
Professor and Head, Research Guide
Crystal Growth Laboratory,
Department of Physics,
Milliya Art's, Science and Management Science college BEED - 431 122 (MS) India

Curriculum Vitae

Name: Dr. Hussaini Syed Shaukatullah Azmatullah

I. Personal Memorandum

Designation : Professor

Mailing Address : Crystal Growth Laboratory,
Department of Physics
Milliya Art's, Science and Management Science
College, BEED 431122 (MS) India

Phone Numbers : Office: 91-2442 -224208
Fax: 91 – 2442 - 224208
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E-mail : Shuakionline@yahoo.co.in

Date of Appointment: - 01-08-1993

Date of Birth : June 1, 1970

II. Academic Preparation:

Sr. No.		Board/University	Grade/ Division	Year
1	SSC	HSC and SSC board Aurangabad	Second Division	1985
2	HSC	HSC and SSC board Aurangabad	First Division	1987
3	GRADUATION	Marathwada University, Aurangabad	First Division	1990
4	POST GRADUATION	Marathwada University, Aurangabad	First Division	1992
5	M.Phil	----	-----	---
6	Ph.D.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad		2008

III. Research and Teaching Experience:

Teaching Experience: 29 years **Research Experience:- 15 Years**

Assistant Professor : Department of Physics
Milliya Art's, Science and Management Science College, BEED 431122 (MS) India

IV. Administrative Work/ Extracurricular Work:

Sr. No	Designation	Period
1	Vice-Principal(Academics)	From 10 October 2016
2	Head of the Department	From12 June 2003
3	Co-ordinator - **ISO-9001:2015**	From, 19 November 2016
4	Member of IQAC	From 2004
5	Science Faculty Co-ordinator	2014
6	Chairman of UGC Affairs Committee	From 2008
7	Co-ordinator Science Forum	2013- 2015
8	Member of Rusa Committee	From 2016

V. Academic contribution: (College & University)

Sr. No	Detail	Duration
1	Vice Chancellor's Nominee subject Expert for selection committee for appointment of lecturer	2012
2.	Member of Affiliation committee	2013
3.	Member of Board of studies in Physics	Sept 2009 to 31 Dec 2010
4.	Invitee member for Syllabus Designing Committee of Dr. BAMU, Aurangabad	2015

VI Membership of Professional / Learned Bodies/Societies/Events.

Sr. No.	Details
1	The invitee member of Salam Education society Beed
2	The Invitee member on the selection committee of Azad Education Society Beed.
3	Member of All India Crystal Growth Association
4	Member of Indian Association of Physics Teachers
5	Member of CDC of Mrs. K S K College, BEED
6	Member of Internal Quality Assurance cell of Mrs. K S K College, BEED

VII:- Refresher,/Short term courses attended: 08

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Refresher Course	**Aurangabad**	**05/03/2012 to 27/03/2012**	**UGC**
Refresher Course (Summer School**)**	**Aurangabad**	**25-05-2015 To 13-06-2015**	**UGC**
Short Term course- on " **Research Methodology**	**Aurangabad**	**02-11-2015 To 7-11-2015**	**UGC**
Faculty Development Program on" **Advanced Analytical Testing And Characterization**	**Aurangabad**	**2-7-2018 To 7-7-2018**	
Refresher Course on –**Curriculum Design and e- content Development**	**Online**	**01-11-2018 to 27-02-2019**	**SWAYAM (Arpit)**
Short Term course- on " **Research Methodology**	**Aurangabad**	**24-06-2019 To 29-06-2019**	**UGC**
Faculty Development Program on" **Cyber Security and data Science**	**Kada (Sponsored by Kolhapur University under PMMMTT)**	**02-12-2019 To 07-12-2019**	**MHRD**

Faculty Development Program on " **Emotional Intelligence For Teacher in Higher Education** "	**UGC-MMTTC, SGBA Univ, Amaravati**	**16/11/2023 to 25/11/2023**	**UGC**

VIII: Short term courses and FDP attended on Online:-10

Sr. No	Title e of Course	Organizing Institute	Duration
1.	Moodle Learning and Management System	S.S.C college of Arts & Commerce Ulhasnagar	21St To 27th - April 2020
2.	One Week National Online Faculty Development Program on "**ICT Tools for Effective Teaching Learning"**	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded	27th April to 2nd May 2020
3.	Faculty Development Programme on " **Out Come Based Education**"	Ipod	01-05- 2020
4.	On line Short Term Course on " **Physics in Daily Life**"	Sawarkar College, Beed	25th April To 1st May 2020
5.	One Week Online Faculty Development Programme on "**Effective Proposal Writing for Research and Funding**"	Sandip Institute of Technology & Research Centre, Nashik.	13th May to 18th May 2020
6.	UGC Paramarsh Online Faculty Development Programme on "**NAAC Assessment And Accreditation**"	Shivaji College Parbhani	21 to 26th May 2020
7.	Two Days National Level Faculty Development Programme on " **Advancement in Material Science'**	Jeppiaar Institute of Technology, Kunnum ,Sriperumbudur	5 & 6th June 2020
8.	Week Long Faculty Development Programme on " **NAAC Assessment and Accreditation for Affiliated Colleges"**	Vinaik Rao Patil Mahavidaliya Vaijapur.	08 to 13th -June 2020
9.	Two Days National Online Faculty Development Program on "**Designing and Implementation of Outcome Based Education (OBE) Model**"	Department of Physics, Shri Muktanand College, Gangapur, Dist. Aurangabad	7th& 8th July 2020.

10.	On Line National Level One Week Faculty Development Programme on " **Implementation Of national Education Policy – Challenges & Opportunities in H E I'S**	Late Sow Kamalatai Jamkar Mahila College, Parbhani	24th – 30th August 2020

IX Orientation course attended: 01

Name of the Course	Place	Duration	Sponsoring Agency
Orientation	**Aurangabad**	**16/03/2006 to 12/04/2006**	**UGC**

X. Research Project Completed - 02

Sr. No.	Title	Agency	Period	Grant / Amount Mobilized (Rs Lakh)
1.	Growth and Characterization of Non-Linear Optical (NLO) Material Crystals using Solution Growth Technique for Opto- Electronic Applications	**UGC**	**2years**	**1,25,000/-**
2.	Growth and characterizations of high quality NLO crystals for frequency conversion device	**DST**	**3 Years**	**18,75,000/-**

Patent:-

Sr. No.	Title	Patent Number	Date of Award	International National
1	**Solar Powered Tent**	**381773-001**	**16/11/2023**	**National**

XI. Expertise / Areas of specialization

- **Growth of NLO Material Crystals**

XII:- Synergic Activities

Conference/ Workshop Organized/ online Events: Convener/ Organizing Secretary

Sr. No	Date	Topic	Level
1.	11January 2022.	International E- Conference on Advanced Material in Innovative Technology (ICAMIT-2022),	International level
2.	25 Sept 2020	Online Workshop on Quality Audit	Regional
3.	May 2020	Online Quiz On Modern Physics	National
4.	24 August 2019	e-content Development & MOOC-2019	National
5.	24 August 2018	Workshop on Quality Culture Development	State Level
6.	23-24 December, 2014.	Material Science and Technology (NCMST-2014),	National level
7	20 March 2023	Online Workshop on "National Educational Policy -2020"	Regional Level
8.	Since last Twelve Year	Physics – Maths MKT	State Level

XIII Reviewer of National/International Journals

Sr. No.	Journals	Publication
1	Optical Material	Elsevier
2	Physica B	Elsevier
3	Optics Communication	Elsevier
4	Material Letter	Elsevier
5	Material Research Express.	IOP
6	Journal of Material Science-Poland	Wroclaw University of Science and Technology, Poland
7	Journal of RSC Advances	Royal Society of Chemistry
8	Crys tEngComm	Royal Society of Chemistry
9	Journal of Physics-Chemistry of Solid	Elsevier
10	Journal of Photonics and Nanostructures – Fundamentals and Applications	Elsevier

11	Canadian Journal of Physics	Canadian Science Publisher
12	Journal of Optik	Elsevier
13	Journal of Optics and Laser Technology	Elsevier

XIV. Awards/ Prize

Sr. No.	Name of Award	Awarding Agency	Year
1	State Level Ideal Teacher Award	MUPTA	2012
2	Ideal Teacher Award	Al-Hilal Times & Bazme Shama Adab	2015
3	Dr. Homi Bhabha Award	Divya Varta &Kashmakash (NGO)	2015
4	State Level Subhedar Mallharrao Hoalkar Ideal Teacher Award	Raje Mallharrao Hoalkar Samajik Prishithan, Beed	2018
5	Ideal Teacher Award	School Express, BEED	2019
06	Award for Good Educational Work	Dynadevo Bahuudashaya sanastha, Shreerampur	2021
07	Excellence In Education	Association of Muslim Educational, India	2022

XV. No. of students awarded Ph.D under guidance - 04

Sr. No	Name of the Research student	Topic	Date of Award
1	Dr. Shaikh R.N.	Effect of Amino acids on NLO material Crystals	05Dec.2015
2	Dr. Y. B. Rasal	Growth and Characterization of Thiourea Metal Complexes Doped Potassium Dihydrogen Phosphate (KDP) Crystals for Optoelectronic Applications	18 Jan 2018
3.	Mrs. Siddique Aneesa	Growth and Characterizations of Undoped and Doped Thiourea Metal Complex Crystals for optoelectronics Applications	14Dec.2020
4	Mirza Irshad Baig	Growth and Characterization Study of Metal Influenced Nonlinear Optical Crystals for Device Applications	27 Oct 2021

XVI. No. of students Working for Ph.D as on Today - 06

Sl.No.	Name of the Research Student	Research Topic	Date of Registration
1.	Pankaj Ghodke	Growth and Characterization of High Quality NLO Crystals for frequency conversion devices	18th June 2018
2.	Syeda Bushra Tayyaba Hussaini.	Growth And Investigation Of Amino Acid Influenced Single Crystals For NLO Device Applications	4th March 2022
3.	Sujata Bhagwat Bade	Synthesis, Growth and Characterization of Metal Doped Organic Crystals Non linear Applications	4th March 2022
4.	Rohini Bhimrao Ghuge	Growth And Characterization Of Organic And Semi Organic Nonlinear Optical (NLO) Crystals.	4th March 2022
5.	Khan Sana Anjum Khan	Influence Of Organic Additives On Inorganic Crystals For NLO Device Applications	4th March 2022
6.	Bharati Nivrutti Kolhe	Influence of Organic Traits on Inorganic NLO Crystals to explore Photonic applications	4th March 2022

XVII. Invited talk delivered at International / National Conferences/Seminars – 15

Sr. No.	Title of Lecture / Academic Session	Title of Conference / Seminar/ Refresher course	Organized by	Whether international / National
1.	**Growth and Characterization of Nonlinear Optics (NLO) Material Crystals for Optoelectronic Devices**	" Research Methodology In Physical Science"	Balbhim college, BEED	**National**
2.	**Laser Sensitive NLO Crystals for Bio-Physical and Optical Applications**	" Medical application Of Pulse Laser And Diagnostic Techniques"	Adarsh College, Omerga	**National**

3.	**Development of NLO Materials For Optoelectronics Applications**	Functional Material And Microwaves(ICFMM-2015)	Dept of Physics, DR. BAMU, Aurangabad	**International**
4.	**Role of ICT in higher Education for Quality Improvement**	"Role of ICT in higher Education for Quality Improvement	Mrs. K.S.K College, Beed	**National**
5.	**Development of NLO Materials For Device Fabrication**	Recent Trends in Material Science and Applied Physics	Hutatma Raj guru College, Rajgurunagar.Pune	**State**
6.	**Growth and Development of NLO Materials For Optoelectronics Applications**	Material Science and Renewable Energy Sources	Rajarshi Shahu College, Latur	**National**
7.	**NLO Crystals Growth & Characterization Techniques**	Recent Trends in Chemical Sciences(RTCS-2018)	Anna Saheb Waghire, Arts, Science & Commerce College, Otur Tal Junar	**State**
8.	**Formulation of Research Proposal and Importance of Research Publications**	**Refresher course in** "Recent Innovative Trends of Nanomaterials in Chemical, Biological and Physical Sciences"	Modern College of Arts, Science and Commerce, Shivajinagar, Pune **411 005**	
9.	**NLO Materials for Device Fabrication**	Recent Development in Material Science And Its Application(Jan 2019)	Anand Science College New Arts, Commerce, Shevgoan, Dist Ahmednagar	**National**
10.	**Development of Smart NLO Materials for distinct Technological Device Applications**	Advances in Material Science and Technology (7^{th} Jan 2021)	Sir Syed College Aurangabad	**International**
11.	**Development of**	**One Week**	G H Raisoni	

	Smart NLO Materials Optoelectronics Applications	**Online AICTE – ISTE Sponsored Refresher Program on** "Recent Development in Advanced Materials(7 April 2021)	College of Engineering & Management Pune	**National**
12.	**Growth of NLO Single Crystals & Characterization Techniques**	Current Innovations in Chemistry , Physics &Mathematics(CICPM-2022) 20 Dec 2022	S S College, Manjalgoan	**National**
13.	**New Education Policy 2020- Hits and Misses**	**Orientation on** " New Education Policy 2020: Impact and Opportunities	SS Ramrao Awargoakar College Law College, Beed	**State**
14.	**An Overview on Crystals Growth & Characterization analysis**	Seminar on **" Recent Trends in Materials Sciences and Nanotechnology-2023(27-28 Feb 2023)**	Deogiri College, Aurangabad	**National**
15.	**Promising Nonlinear Optical (NLO) Materials For New Technologies**	Conference on "**Modern Trends in Physical Science Research (MTPSR-2024**)-	Balbhim College, Beed	**National**

Session Chairman-03

Sr. No.	Title of the Conference/Seminar /Workshop	Place	Date
1.	**National Conference on " Functional Material Synthesis and characterization"**	**Vaidyanath College, Parli**	**2nd March 2019**
2.	**National Conference on "Recent Trends In Material Science & Nanotechnology"**	**Anandrao Dhonde Alias Babaji, Mahavidyalaya, Kada**	**17th March 2019**
3	**National Conference on "Quality Enhancement in Teaching, learning and Research**	**Balbhim College, BEED**	**14th Sept 2019**

XVIII. List of Conferences/Seminars/Workshops/Symposium attended:

Sr. No.	Title of the Conference/Seminar /Workshop	Place	Date
1.	Regional Workshop on " National Education Policy -2020	**Mrs. K S K College, Beed**	**30 Sept 2022**
2.	National Seminar on" New Education Policy-2020 & Curriculum Structure According to CBCS Pattern	**Jawahar Arts, Science & Commerce College, Andur**	**21 May 2022**
3.	International e- Conference on " **Material Science and Nano Technology"**	**Dayanand College, Latur**	**17-19 Dec 2020**
4.	National Conference on **" Recent Advances in Physics, Chemistry & Mathematics"**	**Balbhim College, BEED**	**8th Feb 2020**.
5.	International Conference on "	**Dr. B.AM.U, Aurangabad**	**3-4 January 2020**
6.	National Conference on **" Recent Trends In Material Science & Nano Technology"**	**AD College, Kada**	**17th March 2019**
7.	National Conference on **" Functional Material Synthesis and characterization"**	**Vaidyanath College, Parli**	**2nd March 2019**
8.	National Conference on **" Nanomaterials and Their Applications Critical"**	**Arts, Commerce, &Science Kille Dharur**	**14 Feb 2019**
9.	National Workshop on **" Crowd Sourcing and Participatory GIS"**	**Online At Milliya College, Beed(ISRS &ISRO)**	**21-December 2018**
10.	National Conference on **" Recent Trends And Development In Material Science"**	**Indraraj College, Aurangabad**	**16Dec 2017**
11.	International Conference on **" Advanced Materials Development and Performance"**	**AMPD, Pune**	**11-15 July 2017**
12.	National Workshop on **" Popularization of Remote Sensing Based Maps & Geospatial Information"**	**Online At Milliya College, Beed(ISRS &ISRO)**	**11-August 2017**
13.	Regional Workshop on **"Implementation of New Syllabus in Physics**	**Shri M.P Mahavidyalaya, Murum**	**10 January 2015**

14.	National Conference on **"Materials Synthesis for Device Level Applications",**	**R.P. Mahavidyalaya, Osmanabad (MS)**	**29-30 January 2015**
15.	National Conference on **"Recent trends in Mathematics, Physics and their Applications",**	**Shankarlal Khandelwal Arts, Science & Commerce College, Akola (MS).**	**19 arch 2014**
16.	National Conference on **"Recent trends in Mathematics, Physics and their Applications",**	**Shankarlal Khandelwal Arts, Science & Commerce College, Akola (MS).**	**19 March 2014**
17.	International Conference on" **Materials and Characterization Techniques"**	**VIT University, Vallore, Tamil Nandu,**	**10-12 March 2014,**
18.	National Seminar on "**Crystal Growth"**	**SSN College of Engineering, Kalavakkam, Tamil Nandu**	**24-26 February 2014,**
19.	National Conference on "**Microwave Techniques and Applications"**	**Maulana Azad College, Aurangabad**	**29-30 November 2013,**
20.	National Conference on "**Upcoming Trends In Chemical Science"**	**Shri Anand College Pathardi**	**06 -07 September 2013,**
21.	National Conference on "**Physics and Chemistry of Advanced Materials"**	**C.B. Khedgi's Basaveshwar Science Akkalkot**	**18-19 December 2013**
22.	National Seminar on "**Innovative Teaching Methods in Physics"**	**Doegiri College, Aurangabad**	**30-31 August 2013**
23.	Regional Workshop on "**Microcontrollers and its Applications"**	**IETE, Aurangabad**	**5-6 July 2013**
24.	National conference on **"Lasers and Their Applications",**	**B.N.B College, Digras.**	**28 December 2012**
25.	National conference on **"Nanotechnology"**	**Maharashtra Mahavidyalaya, Nilanga**	**07-08- September 2012,**
26.	National conference on **"Recent**	**Birla College,**	**January – 29 -30,**

	Trends in Materials Research "**.,**	**Kalyan**	**2011**
27.	Regional level Workshop on **"B.Sc. II Semester III and IV semester Physics Practical,**	**Deogiri College Aurangabad**	**22 January 2011**
28.	National conference on " **Advancements in Nano – Science for different technology"**	**Dept Of Physics Shrikrishnan College , Gunjoti**	**9-Sept 2006**
29.	Regional level Seminar on **"Modern Trends in Physics**"**,**	**Sawarkar College, BEED**	**9 Feb 2010**
30.	An international Conference on **"Optics and Photonics, on (ICOP)**	**Chandigarh**	**25-27 – October 2009,**
31.	state Level Conference on **"Trends in Bio-Aerodynamic Studies,**	**R B Attal college Georai.**	**December 5-6, 2008**
32.	state Level Workshop on "Method **of Effective Teaching in Quantum Mechanics At Graduate Level "**	**R B Attal college Georai**	**4th October, 2008,**
33.	state Level Seminar on **"Advanced study in solid state Physics and Crystallography (SSASSC-2008), ,**	**Balbhim College BEED**	**15-16th March 2008**
34.	International Conference on **"Microwaves and Optoelectronics, (ICMO),**	**Dr B A M U Aurangabad.**	**17-20, December 2007**
35.	International Conference on **"Advanced Materials and Applications (ICAMA),**	**Dept of Physics Shivaji University Kolhapur.**	**15-17 November, 2007**
36.	Regional Level Workshop on **"Effective Teaching Methods in Physics and Scope of UGC curricula.",**	**Barwale College, Jalna**	**12-13th February 2007**
37.	Regional Level Seminar on **"Design of Curriculum of B.Sc. Physics courses",**	**Dept of Physics Gunjoti**	**9t September, 2006**
38.	state Level Seminar on **"Recent Trends in Materials Science (RTMS - 2006)**	**School of Physical Sciences, North Maharashtra University, Jalgoan.**	**24-25 March 2006**

39.	National Symposium on **"Crystal Growth and Characterization.",**	**Loyala College Chennai.**	**29-30 September 2005**
40.	A state Level Workshop on **"B.Sc Physics Practical (New UGC Syllabus),**	**Maulana Azad College of Atrs, Science and Commerce College, Aurangabad.**	**16 September 2005**
41.	State Level Workshop on **"B.Sc. Physics Practicals, ,**	**Deogiri College Aurangabad**	**19 August 2004**
42.	National Conference on, **"Microwaves and Optoelectronics (NCMO).**	**Dr. B.A.M.U, Aurangabad**	**29-30 June 2004**
43.	State Level Workshop on, **"Physics Experiment In NEW CURRICULUM".**	**R G Bagdia Arts, S B Lakhonda and Bezonji Science Jalna**	**12-13 September, 2003**
44.	Regional level Workshop on, **"Programming in C++.**	**Sawarkar College BEED.**	**22-23 April 2003**

Workshop/Conference/Symposia of other discipline attended

1.	One day Workshop on " ICT Enablement in Educational Institutions for Betterment of Academic Delivery and Statutory Adherence"	**JD Aurangabad**	**17Th December 2019**
2.	Two days National Conference on " E-content Development for Effective teaching"	**Smt. SK Gandhi College, Kada**	**21-22 Sept 2019**
3.	National Conference on " Quality Enhancement in Teaching, learning and Research	**Balbhim College, BEED**	**14th Sept 2019**
4.	International Conference on "Emerging Trends in Microbiological Sciences &IPR	**Milliya College, BEED**	**7th Feb 2019**
5.	Two days Workshop on" Intellectual Property Rights"	**MIT college of Engineering, Aurangabad**	**21-22 December 2018**
6.	NPTEL Workshop on " MOOC courses and E ontain "	**Chh Shahu College of Engineering Aurangabad**	**01 December 2018**
7.	State Level Workshop on" Intellectual Property Rights"	**Govt college, Aurangabad**	**7th Sept 2018**

8.	State level Workshop on" **Sexual Harassment of Women at workplace**	**Millya Arts College, BEED**	**14th August 2018**
9.	State level Workshop on " **Quality Culture Development"**	**R.G. Shinde Mahavidyalaya , Paranda**	**20th July 2018**
10.	State Level Online Workshop on " **Geo Spatial Technologies and Sendai Framework for Disaster Risk Reduction**"	**ISRO & Milliya College BEED**	**10th July 2018**
11.	State level Workshop on **" Revised Accreditation Frame Work of NAAC"**	**Kalikadevi College, Shirur**	**31th January 2018**
12.	State level Workshop on" **Intellectual Property Right: Indian Perspective**	**Milliya College, Beed**	**14th Feb 2018**
13.	Regional Level Workshop on " **NAAC(New Method) Related Quality Culture Development**"	**Siddeshwar College, Manjalgoan**	**27th November 2017**
14.	State level Workshop on **" Innovative Mechanism and Strategies for Interpretation and Presentation of Information"**	**Sawarkar College, Beed**	**5th March 2017**
15.	Regional Level One day Work Shop on " **Proposed Maharashtra Public University Act 2015"**	**SVS College , Beed**	**01 Oct 2015**
16.	National workshop on **"Role of Management, Principal & Staff in Quality Enhancement"**	**R.B. Attal College, Georai**	**27 September 2014**
17.	Regional level Workshop on **"Academic Performance Indicators: Its Effect on Teaching, learning and Evaluation, ,**	**Vasantrao Naik College Aurangabad.**	**25 January 2011**
18.	National conference on**" Recent Trends on Environmental Toxicology"**	**Milliya Arts, Sci & Management Science College ,BEED**	**4 -5 August 2010.**
19.	State level seminar on **NAAC Re-accreditation and Assessment."**	**Washi college Washi**	**18-19 May 2009,**
20.	Regional level Workshop on **"Dharma Nirpeshta: Tatva aani Vehevhar."**	**Aurangabad.**	**22-23 March 2006,**

XIX. Conferences/Seminars/Workshops/Symposium attended online-46

Sr. No.	Title of the Conference/Seminar /Workshop	Organizing Institute	Date
1.	One Day National Symposium on "Research Paper Writing and it's Publication"	Azad Mahavidyalaya, Ausa, Dist. Latur and ASC College, Naldurg	13th October 2021
2.	National webinar On "Strengthening of SSR and Effective Documentation"	S.M.J oshi College, Hadapsar, Pune-28	6th Oct. 2021
3.	National Level Webinar On Mahatma Gandhi's Contribution to the Indian Freedom Movement	Milliya Arts Science & Management Science College, BEED	02nd Oct 2021
4.	State Level Webinar on " Cyber Security Analyst"	Rafiq Zakaria College for Women, Aurangabad	26th July 2021
5.	National Webinar on " Feedback, SSS, Best practices and Distinctiveness	PMH, Desei College, Pune	19 to 21st May 2021
6.	Webinar on National Science Day	Rafiq Zakaria College for Women, Aurangabad	28th – February-2021
7.	National Webinar on " Thermoelectrics on Energy Conversion"	Vasantdada Patil College, Patoda	23rd Feb 2021
8.	National Level Webinar on " Informed Voter for Strong Democracy"	Milliya Arts Science & Management Science College, BEED	25th Jan 2021
9.	International Webinar on "Arabic Language and Indian Muslims Love for it	Milliya Arts Science & Management Science College, BEED	18th Dec 2020
10.	National Level Webinar on "Intellectual Property Rights"	SMDM College, Kalamb.	21st April
11.	National Level Webinar on " CAS Promotion- Issue and E- Content Development"	SMDM College, Kalamb.	1 & 2nd May 2020
12.	Regional Webinar on " Art of Drafting Pre- PhD Synopsis	Rusa Centre Aurangabad	2nd May 2020
13.	Webinar on Reprogram your Mind Through NLP	Indian Academician and Researchers association(IARA)	6th may 2020
14.	4 days National webinar on " Revised Assessment Accreditation: Nurturing Quality Culture"	IQAC Cluster & Yogeshwari College, Ambajogai	08 to 11th May 2020
15.	International Webinar on " Laughter Yoga"	S.S.T college of Science & Commerce Ulhasnagar	9tTh May 2020
16.	National Webinar on " Social Work Intervention in Corona Pandemic crisis issues Challenges Strategies and Role"	MASWE & Bhagini Mandal Chopda College of Social work, Chopda Dist Jalgoan	8& 9th May 2020

17.	Online Workshop on " Learning Management System(LMS) Based on MOODLE: To Enhance Students Learning Activities"	Jawaharlal Arts Science & Commerce College, Andur	21st May 2020
18.	Online Workshop on " Evidence Based Teaching & Learning strategies in Higher Education"	CREATES, IISER Bhopal	21-to 23rd May 2020
19.	National Webinar on " Future of 2d Animation in India"	S.S.T college of Science & Commerce Ulhasnagar	27th May 2020
20.	National Webinar on " Non Linear Optical behavior of Nanomaterials"	Lady Doke College, Madurai	28th May 2020
21.	One Day Online Workshop on "Materials Science and Applications"	Department of Physics, Arulmigu Palaniandavar Arts College for Women, Palani	29th May 2020.
22.	Webinar on "Advanced Materials: Webinar Series – II"	Department of Physics, School of Basic Sciences, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Pallavaram, Chennai-117	28 – 30th May 2020
23.	National Webinar on "Use of Modern Technology in Daily Teaching" the need of Hour.	Vaishanvi College Wadvani	29th May, 2020
24.	innovative webinar on " creating interactive e-learning content"	Universal College of Engineering, Kaman	1St June 2020
25.	national webinar on "cyber safety in cyberspace"	Faculty of Law, The Maharaja Sayajirao University of Baroda	2nd June 2020
26.	National Webinar on "Insights Into Research"	The Yenepoya Institute of Arts, Science, Commerce & Management Science college, Mangalore	4th June 2020
27.	National Webinar on "Guidance for Entrance Exams after B.Sc. Physics"	R. K. Talreja College of Arts, Science & Commerce, Ulhasnagar-3	4th June, 2020
28.	National Webinar on "Quantum Mechanical Picture of Periodic table	Division of Chemistry Vellore institute of Technology, Chennai	6th June 2020
29.	Two Days National Webinar on " AQAR Writing & Submission As per New NAAC Guideline"	SMDM College, Kalamb	6 & 7th June 2020
30.	International e-Conference on "Advanced Functional Materials and Optoelectronic Devices"	Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University,	13-15th June, 2020

		Jaunpur-222003, U. P.	
31.	National Webinar on "Thermodynamics : A Conservative Partner of Our Life & Z-Scan Measurements for Nonlinear Optical Materials	PG & Research Department of Physics, Adhiyaman Arts & Science College For Women on	16th June, 2020
32.	National Level Webinar on " Current Scenario, Scope and Challenges in Pharmaceutical industry"	School of Pharmacy and Centre for Research Development, Rai University, Ahmadabad	19 June 2020
33.	One day workshop On " NAAC - revised accreditation framework"	Deogiri College Aurangabad	19 June 2020
34.	One day Regional Level Webinar on " ICT"	Microsoft Accelerating Education and Joint Director Aurangabad	22 June 2020
35.	A Webinar Series on " Advances in Material Science & Technology"	Applied Sciences and Humanities (Physics), School of Engineering, University of Petroleum and Energy Studies, Dehradun	22-26 June 2020
36.	National Webinar on " Digital Transformation in Educational institutes	Karam veer Mamasaheb Jadgdale College, Washi	25 June 2020
37.	International Webinar on " Recent Advances in Material Science & Technology"	Aditanar College of Arts &Science Viranpandianptanum Tiruchedure (TN)	26th June 2020
38.	**2nd International Conference** on "Crystal Engineering: From Molecule to Crystal"	Crystal Engineering Forum	19- 19 June 2020
39.	Two days International Webinar on " Research Evolution Towards Current Scenario"	PERIYAR EVR College, TiruChirapalli	13 & 14th July 2020
40.	National Webinar on " Importance of Digitalization and online documentation for NAAC Accreditation and NIRF"	Jawaharlal ASC college, Andur	29th July 2020
41.	National Webinar on " Challenges in Vaccination of Covid- 19	Mrs. K S.K College, BEED	28th August 2020
42.	International Webinar on "Arabic Language and Indian Muslims Love for it"	Milliya Arts, Science and Management Science College, Beed (MS)	18/12/2020
43.	National Level Webinar on" Informed Voter For Strong Democracy"	Milliya Arts, Science and Management Science College, Beed (MS)	25th Jan 2021

44.	National Level Webinar on " Thermoelectrics for Energy Conversion"	Vasant Dada Patil Arts Commerce and Science College, Patoda	23rd Feb2021
45.	National level Webinar on Science Day	Dr. Rafiq Zakaria College for Women, Aurangabad	28- Feb-2021
46.	National Level Webinar on " Feed, SSS, Distinctiveness and Best Practices	PGK Mandal's Haribhai V. Desai Arts Science Commerce College, Pune	19th May to 21 May 2021

XX Research Papers Published / Presented in International / National Conference Proceedings (42)

Sr. No.	Title of the Paper Presented	Title of Conference / Seminar	Organized by	Month/Year
1.	Focusing nonlinear optical Traits Parent & amp: L-Tryptophan doped Bis thiourea Cadmium Acetate Crystal for NLO Applications	**International Conference online** "Recent Trends In Material Science & Nano Technology"	Dr. V.B. Kolte College of Engineering, Malkapur.	2-3 May 2020
2.	Study of Thiourea Zinc Sulphate Doped Potassium Dihydrogen Phosphate Crystal	National Conference on "Recent Trends In Material Science & Nano Technology"	AD College, Kada	17th March 2019
3.	Magnificent Transmutation in optical Traits due to Methionine Doping on ZTS crystal.	National Conference on " Functional Material Synthesis and characterization"	Viadaynath College, Parli	2nd March 2019
4.	Impact of Nickel Thiourea nitrate on Structural and optical Properties of Potassium Dihydrogen Phosphate	8th International conference on "Advanced Materials Development and Performance"	Dept. of Physics, Savitribai Phule Pune Univ. Pune	11-15 July 2017
5.	Influence of L-serine on thermal , linear nonlinear optical, fluorescence properties of ZTS crystal for	8th International conference on "Advanced Materials	Dept. of Physics, Savitribai Phule Pune	11-15 July 2017

	photonic device applications	Development and Performance"	Univ. Pune	
6.	Natural Hibiscus Dye and Synthetic Organic Eosine Ydye sensitized Solar Cells using Titanium Dioxide Nano Particles Photo Anode: Comparative Study	8th International conference on "Advanced Materials Development and Performance"	Dept. of Physics, Savitribai Phule Pune Univ. Pune	11-15 July 2017
7.	Studies on the Structural, Thermal, Fluorescence and Linear–Non-linear Optical Properties of Glycine Sodium Acetate Single Crystal for Electro-Optic Device Applications	International conference on Recent Trends in Materials Science and Applications	JMC Trichy	
8.	Optical Studies of Potassium Thiourea Chloride doped KDP Crystal for Optoelectronics Applications	National Conference on Material Science & Renewable Energy Sources	Shahu College, Latur	March 2016.
9.	Optical Studies of Zinc Thiourea Chloride Doped KDP Crystal For optoelectronics Applications	National Seminar on Crystal Growth and Applications	BARC Mumbai	January2016
10.	Growth and Linear Optical Properties Of L- Lysine Doped Zinc Thiourea Sulphate Crystal For Optoelectronics Applications",	National Conference on Medical Applications of Pulse Laser And Diagnostic Techniques	Adarsh College, Omerga	January 2015**.**
11.	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**.**
12.	Optical Properties of Disodium Phosphate (DSHP) single Crystal"	National Conference on Material Science,	Mrs. K.S. K .College, Beed	December 2014.
13.	Synthesis, Growth, Structural, Spectroscopic, Thermal and	International Conference on	Sastra University,	November,

	optical properties of NLO single crystal: L-threonine oxalate”,	Crystal Growth and Bimolecular Crystallography	Thanjavar, (TN)	2014
14.	Synthesis, growth and linear optical properties of bis thiourea formate (BTCF) crystal for optoelectronics applications	National Conference on Recent trends in Mathematics, Physics and their Applications	Shankarlal Khandelwal College, Akola	March 2014
15.	Optical studies of Amino acids doped Ammonium Dihydrogen Phosphate (ADP) crystals for NLO Applications	International conference on Materials and Characterization Techniques	VIT Vellore	March 2014
16.	Growth, structural & optical studies of potassium dihydrogen phosphate (KDP) doped cadmium thiourea acetate (CTA) metal complex crystal	International conference on Materials and Characterization Techniques	VIT Vellore	March 2014
17.	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	Feb 2014
18.	Investigation on optical properties of Glycine crystal grown in presence of sodium acetate	National Seminar on Crystal Growth	SSN College of Engineering, Chennai	Feb 2014
19.	Structural and Optical Characterization of Glycine Doped Malic Acid crystals for NLO Applications	National conference on Microwave Techniques and Applications	Maulana Azad College, Aurangabad	November 2013
20.	Growth and Optical Characterization of Thiourea	National	Maulana Azad	November 2013

	Magnesium Chloride Crystal for NLO Applications	conference on Microwave Techniques and Applications	College, Aurangabad	
21.	Optical And Dielectric Studies of L- Lysine Doped ADP Single Crystal"	National conference on Upcoming trends in Chemical Science	Shri Anand College Pathardi	September 2013
22.	Growth and characterization of L-Alanine Mixed Cadmium Thiourea Acetate Crystal	National conference on Upcoming trends in Chemical Science	Shri Anand College Pathardi	September 2013
23.	Growth and characterization of L-Alanine Mixed Cadmium Thiourea Acetate Crystal	National conference on Upcoming trends in Chemical Science	Shri Anand College Pathardi	September 2013
24.	Investigation of Vortex beam in Photorefractive crystals	National Conference on "Physics and Chemistry of Advanced Materials	B. Khedgi's Basaveshwar Science Akkalkot	December 2013
25.	Growth and characterization of L-Alanine doped ADP Single Crystal for Optoelectronics Applications	National conference on Upcoming trends in Chemical Science	Shri Anand College Pathardi	September 2013
26.	Innovative Teaching Methods for Physics	National Seminar on Innovative Teaching	Doegiri College, Aurangabad	August 2013

		Methods in Physics		
27.	Growth Study of Glycine doped ADP single crystal	National Conference on Laser and Advanced Materials	Dept. of Physics Sant Gadge Baba University, Amravati	May 2012
28.	Growth and optical studies of Bis Glycine hydrogen bromide (BGHB)	National Conference on Recent Trends in Material Research	Birla College, Kalyan	January 2011
29.	Synthesis, Growth and characterization of zinc (tris) thiourea sulfate (ZTS) doped with L-Alanine	National Conference on Crystal Growth	Vellore Institute of Technology (VIT), Vellor	March 2010
30.	SHG studies of Glycine doped Bis Thiourea Cadmium Chloride (BTCC) single Crystal : A Semi Organic NLO Material	International Conference on MEMS and Optoelectronics Technologies	Swarnandhra College of Engineering & Technology, Narsapur (A.P)	January 2010
31.	Development of Novel Non-linear Optical Crystal of Tri-Glycine Acetate(TGAc)	International Conference on MEMS and Optoelectronics Technologies	Swarnandhra College of Engineering & Technology, Narsapur (A.P)	January 2010
32.	Growth and characterization of non-linear optics single crystal	International Conference on Optics and Photonics	CSIO Chandigarh	November 2009
33.	Growth and characterization of Li+ ion doped KDP Single Crystal for optoelectronics applications	State level Seminar on Advanced study in solid state physics and crystal	Balbhim College,Beed	March 2008

34.	Growth and optical study of Glycine doped Zinc Thiourea Chloride (ZTC) single crystal	International Conference Advanced Materials and Applications	Shivaji University, Kolhapur	November 2007
35.	Study the effect of L-Alanine on the optical properties of Zinc (tris) Thiourea Sulfate (ZTS) single crystal"	International Conference Advanced Materials and Applications	Shivaji University, Kolhapur	November 2007
36.	Growth and High frequency study of non liner optical Zinc (tris) Thiourea Sulphate Crystal"	International Conference on Microwaves and Optoelectronics	Dr. BAMU, Aurangabad-	17-20 December 2007.
37.	Growth and Characterization of Glycine Doped Zinc (tris) Thiourea Sulphate (ZTS) Crystals for Optoelectronics Applications	International Conference on Microwaves and Optoelectronics	Dr. BAMU, Aurangabad-	17-20 December 2007.
38.	Growth and Characterization of NLO Material Crystal for Electro Optics modulation",	National conference in Recent Trends in Materials Science	NMU, Jalgoan	March 2006
39.	Crystal Growth, Optical and dielectric studies of Zinc thiourea chloride – a semi organic NLO material",	National Conference on Crystal Growth and Characterization.	Loyola College, Chennai	Sept-2005
40.	Optimization of the parameters for the fiber optic chemical evanescent sensor for the detection of the vapours",	International Conference on Optics and Optoelectronics	Dehardun	Dec 2005

41.	Semiconductor behavior of Polyaniline film for the development of biosensors",	National Workshop on Thin Film Preparation and Characterization Techniques for Energy Conversions	NMU Jalgaon	2004
42.	Electrochemical Deposition of poly (O-anisidine) Thin Film under Galvanostatic condition at various pH for Biomedical Applications",	National Workshop on Thin Film Preparation and Characterization Techniques for Energy Conversion	NMU Jalgaon	2004

XXI:- Chapter Published in Book:

Sr. No	**Name of Book**	**Publication**	**ISBN Number**	**Title of Chapter**	**Year of Publication**
01	Advances in Material Sciences	Kritinjal Academics Solutions Pvt Ltd, Mumbai	978-81-957290-1-2	Z –scan And Microhardness Studies Of Thiourea Complex Doped Potassium Dihydrogen Phosphate Crystals	August 2022
Book Published					
02	Text book of Physics Heat & Thermodynamics	Kailash Publication	978-93-93623-51-5	Book	March 2023

03	Mechanics and Properties of Matter	Anand Publication	978-93-91204-79-2	Book	Sept-2024

XXII :-Patent:-

Sr. No.	Title of patent Project	Patent Number	Sponsored agency if any	Date of Award	International National
1	**SOLAR POWERED TENT**	**381773-001**	**Nil**	**16/11/2023**	**National**

XXIII:- Book Published:-

Sr. No.	Title of Book	Publishers name	ISBN No.	Level
01	**A Text book of Physics-Heat and Thermodynamics**	**Kailash Publication**	**978-93 93623-51-5**	**National**
02	**As per NEP 2020 Mechanics and Properties of Matter**	**Anand Publication**	**978-93-91204-79-2**	**National**
03	**As per NEP 2020 a Book of "Optics"**	**Kailash Publication**	**978-81-977379-4-7**	**National(in press)**

XXIV:- Citations Index:

Sr. No	Indexing/Citation database Agency	Citations	H - Index	i10 Index
1.	**Google Scholar Status**	**2323**	**28**	**63**
2.	**Scopus Status**	**1672**	**25**	**--**
3	**Web Science**	**1452**	**24**	
4.	**Research Gate**	**1668**	**25**	**--**

AD Scientific Index 2025

RANKINGS			
In Milliya Arts Science and Management Science College Beed (10)	In India (129,060)	In Asia (685,399)	World (2,395,116)
#1	#6,660	#51,092	#281,597

PUBLICATIONS

Peer-reviewed International / National Journals - (116)

1. Syeda Bushra Tayyaba[1], M.D. Shirsat[2], **S.S. Hussaini[2],**" Tailoring Optical and Dielectric Traits of SA Crystal Exploiting Glycine for Optoelectronics Applications" **Journal of Nanotechnology Perceptions 20 No.6 (2024) 2530-2542- ISSN 1660-6795.**
2. S. Shabnam Anjum[1], **S.S Hussaini[2]**, R.N. Shaikh[2]*, "Potassium Doping's Effect on Linear Optical Properties of L-PTCA Crystals" **Journal of Nanotechnology Perceptions 20 No.6 (2024) 2549-2559. ISSN 1660-6795.**
3. Sujata B. Bade, Y.B. Rasal, M.D. Shirsat, and **S.S. Hussaini, "**Effect of Organic Entities on the Performance of Potassium Dihydrogen Phosphate (KDP) Crystals" **J Cond. Matt 2023: 01(02): 78:82. ISSN :** 361-648X
4. Swati S. Kulkarni, Haridas J. Kharat, **S. S. Hussaini, "**Cost-Effective Carbon Cathode for ye-Sensitized Solar Cell Using Eco-Friendly Eosin Y Dye" **International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Peer reviewed and Refereed International Scientific Research Journal, ISSN : 2456-3307 UGC Journal No : 64718 | Impact Factor = 7.254**
5. Sana Khan, S.M. Azhar , M.D. Shirsat, **S.S. Hussaini**,*, I.M. Ashraf, Mohd Anis "Optimizing laser induced nonlinear optical, dielectric and microscopic traits of copper sulfate crystal by glycine for photonic device applications" **Inorganic Chemistry Communications,146,(2022)110079.ISSN1387-7003, https://doi.org/10.1016/j.inoche.2022.110079.**
6. M. I. Baig , **S. S. Hussaini** , H. Elhosiny Ali, and Mohd Anis "Analyzing L-valine effect on structural, mechanical, optical and electrical traits of bis-thiourea cadmium chloride

(BTCC) crystal" **J Mater Sci: Mater Electron, 33, pages 8218–8225(2022) https://doi.org/10.1007/s10854-022-07972-w.**

7. Mohd Anis, **S. S. Hussaini**, M. I. Baig, Mohammed Imran Anis, and Ehab El Sayed Massoud "Investigating optical, electrical, and mechanical traits of thiourea admixture KDP single crystals to explore NLO device applications" **Journal of Materials Science: Materials in Electronics (2021), https://link.springer.com/article/10.1007%2Fs10854-021-06806-5.**
8. M. I. Baig, Mohd Anis , M. D. Shirsat , H. H. Somaily , and **S. S. Hussaini** "Exploring linear-nonlinear optical, dielectric and microscopic traits of sulphamic acid crystal exploiting Zn2+ for photonic device applications" **Journal of Materials Science: Materials in Electronics**, **32, pages16445–16455 (2021). DOI: 10.1007/s10854-021-06197-7.**
9. R.N.Shaikh, M. Asef Iqbal, A.P.Birajdar, Tanazza Siddiqui Shaikh Tehreem, **S. S. Hussaini** "Microhardness and Antimicrobial properties of L-valine doped ADP crystal" **Journal of Advances in Applied Sciences and Technology (2022) Vol. 8|Issue 1| Page 131-134.**
10. Syeda Bushra, Atul Birajdar, Mohd Anis, M.I. Baig, M.D. Shirsat**, S.S. Hussaini** "Exploring the Impact Of C3H7NO2 On Surface Habitat Of Potassium Acid Phthalate Crystal" **Journal of Advances in Applied Sciences and Technology (2022) Vol. 8|Issue 1| Page 129-130.**
11. Yogesh Rasal, R. B. Kulkarni, M. D.Shirsat, **S.S. Hussaini** "Effect Of Ammonium Thiourea Chloride On Linear And Nonlinear Optical Properties OF KDP Crystal" **Journal of Advances in Applied Sciences and Technology (2022) Vol. 8|Issue 1| Page 119-125**
12. Mohammed Asef, K.R. Desai\, Zubair Hussaini, Qudeja Fatema Z. Khan1 **Hussaini S S "**Antimicrobial studies on Non Linear Optical grown crystals" **Journal of Advances in Applied Sciences and Technology (2022) Vol. 8|Issue 1| Page 148-150.**
13. M I Baig, Mohd Anis, , M. D. Shirsat, A.M. Alshehri, H.H. Somaily and **S S Hussaini "**Influence of Zn2+ on laser induced optical and electrical traits of KH2PO4 crystal for NLO device applications" **Internal Journal of Light and electron optics 203 (2020).165998. https://doi.org/10.1016/j.ijleo.2020.165998.**

14. Siddique Aneesa Fatema, Rupali B. Kulkarni, Mahendra D. Shirsat **S. S. Hussaini*** "Focusing Nonlinear Optical Traits of Parent & L-Tryptophan Doped Bis Thiourea Cadmium Acetate (TR-BTCA) Crystal for NLO Applications" **International Journal of Interdisciplinary Innovative Research & Development** (IJIIRD) ISSN: 2456-236X Vol. 05 Special Issue 01 | 2020.

15. M I Baig, Mohd Anis,M. D. Shirsat, and **S S Hussaini "**Thermal and Mechanical Study of Zn2+ doped Potassium Dihydogen Phosphate Crystal For NLO Applications" **International Journal of Interdisciplinary Innovative Research &Development (IJIIRD**) ISSN: 2456-236X **Vol. 05 Special Issue 01 | 2020**

16. M I Baig, Mohd Anis, H. Algarni, M. D. Shirsat, **S S Hussaini "**Comparative analysis of pristine and Cd2+ influenced potassium hydrogen phthalate single crystal for photonic device applications" **International Journal of Light and electron optics 227 (2021). https://doi.org/10.1016/j.ijleo.2019.163903 .**

17. Siddique Aneesa Fatema, Y.B. Rasal, R.N. Shaikh, M.D. Shirsat, **S.S Hussaini,** " Role of Dopant L-Methionine Concentration in Modifying Optical Properties of parent Zinc Thiourea Sulphate Nonlinear Crystal" **INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY FIELD-** SSN: 2455-0620. Special Issue: 21, **Jan – 2021**.

18. Rupali B. Kulkarni, **S. S. Hussaini** and Mahendra D. Shirsat "Exploring the impressive nonlinear Optical and dielectric Properties of cadmium thiourea acetate crystal doped with oxalic acid" **Material Today Proceeding** 23, (2020) 423-429- **https://doi.org/10.1016/j.matpr.2020.02.062.**

19. 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.** https://doi.org/10.1080/00150193.2021.1890463.page 52- 62

20. Siddique Aneesa Fatema, Rupali B. Kulkarni, **S. S. Hussaini***, Mahendra D. Shirsat " Evaluation of Optical Traits of Urea doped Thiourea Zinc Sulphate (U- ZTS) Metal Complex crystal for NLO Applications" **IOSR Journal Of Applied Physics (IOSR-JAP)** e-ISSN: 2278-4861.Volume 12, Issue 2 Ser. I (Mar. – Apr. 2020), PP 30-34.

21. 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-Feburary-March, 2020, Research Journey, Volume 07,Issue 01.

22. 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 Issue-12-Feb 2020.**

23. M I Baig ,Mohd Anis, H. Algarni, M. D. Shirsat, **S S Hussaini**, "Customizing optical and dielectric traits of ammonium dihydrogen phosphate (ADP) crystal exploiting Zn^{2+} ion for photonic device applications" **Chinese Journal of Physics** 63 (2020) 70–77 **https://doi.org/10.1016/j.cjph.2019.10.015**.

24. S.M Azher, Mohd Anis, G. Rabbani, M.D. Shirsat, M.I. Baig, **S.S. Hussaini**, S. AlFaify, Mohammed Ajmal Khan "Growth of NH_4H2PO_4 crystal in urea environment to optimize linear-nonlinear optical traits for photonic device applications" **Journal of Optik** 185 (2019) 1247-1252.

25. 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, 6Special Issue – 168(B) March 2019 (UGC Approved No. 40705)**

26. 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, 6Special Issue – 168(B) March 2019 (UGC Approved No. 40705)**

27. Rupali B. Kulkarni, Yogesh B. Rasal, Siddique Aneesa Fatima, **S. S. Hussaini** and Mahendra D. Shirsat* "Thiourea Metal Complex crystal for AR coating in solar thermal devices" **RESEARCH JOURNEY International Multidisciplinary E-Research Journal**, **ISSN-2348-7143, 6Special Issue – 168(B) March 2019 (UGC Approved No. 40705)**

28. 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-23947780 UGC Approved-63571.

29. 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 Advance and Innovative Research, Volume 6, Issue 1 (XIX): January – March (2019) 26-28.ISSN-23947780 UGC Approved-63571.**

30. Siddique Aneesa Fatima, Rupali B. Kulkarni, Mahendra D. Shirsat and **S. S. Hussaini** "Magnificent Transmutation In Optical Traits Due To Methionine Doping On Zinc Thiourea Sulphate (ZTS) Metal Complex Crystal" **Journal of Advance and Innovative Research, Volume 6, Issue 1 (XIX): January – March (2019) 43-47.ISSN-23947780 UGC Approved-63571.**

31. Rupali B. Kulkarni, Siddique Aneesa Fatima, **S. S. Hussaini** and Mahendra D. Shirsat "Focusing Superiority Of S-R Method Grown Crystal Over Conventionally Grown Thiourea Zinc Acetate (TZA) Metal Complex Crystal" **Journal of Advance and Innovative Research, Volume 6, Issue 1 (XIX): January – March (2019) 113-117.ISSN-23947780 UGC Approved-63571.**

32. Swati S. Kulkarni, Gajanan A. Bodkhe, Nikesh Ingle, **S. S. Hussaini**, N. N. Shejwal and Mahendra D. Shirsat "Electrochemical Impedance Spectroscopic Study Of Dye Sensitized Solar Cell With Al Doped TIO2 Nanoparticles Photo Anode Sensitized By Eosin Y Dye" **Journal of Advance and Innovative Research, Volume 6, Issue 1 (XIX): January – March (2019) 116-115.ISSN-23947780 UGC Approved-63571.**

33. Swati S. Kulkarni, Gajanan A. Bodkhe, Sumedh M. Shirsat, **S. S. Hussaini**, N N Shejwal and Mahendra D. Shirsat "Microwave Assisted Synthesis of Aluminum Doped Tatanium Dioxide Nanoparticles for Photovoltaic Applications" **International Journal of Engineering Technology Science and Research, Vol 5, Issue 4 April (2018) 1096-1098.**

34. N.N. Shejwal , **S.S. Hussaini** , Y. B. Rasal , M.D. Shirsat "Single crystal growth and nonlinear optical analysis of L-glutamine doped ZTS crystal for photonic applications" **International Journal of Engineering Technology Science and Research, Vol 5, Issue 4 April (2018) 1096-1098.**

35. Swati S. Kulkarni, **S. S. Hussaini,** Gajanan Bodkhe, M.D. Shirsat " Natural Hibiscus Dye And Synthetic Organic Eosin Y Dye Sensitized Solar Cells Using Titanium Dioxide Nanoparticles

Photo Anode: Comparative Study" **Surface Review & Letters 1850164- DOI:10.1142/SO218625X18501640**

36. Mohd Anis, **S S Hussaini**, Mohd Shkir, S. Alfaify M I Baig, G. G. Muley "Uncovering the influence of Ni^{2+} on optical and dielectric properties of $NH_4H_2PO_4$ (ADP) crystal" **Journal of Optik 157(2018) 592-596. DOI: 10.1016/j.ijleo.2017.11.127.**

37. Rupali B. Kulkarni,, Mohd Anis, **S. S. Hussaini** and Mahendra D. Shirsat " Transfiguring structural, optical and dielectric properties of Cadmium thiourea acetate crystal by the addition of L-threonine for laser assisted device applications" **Mater. Res. Express https://doi.org/10.1088/2053-1591/aab2f8. (IF-1.44)**

38. Yogesh B Rasal, M D Shirsat & **S S Hussaini** "Investigation on thiourea crystal grown in presence of ammonium acetate" **Indian Journal of Pure & Applied Physics, Vol. 56, July 2018, pp. 522-528 (ISSN- 0975-1041: 0019-5596, IF 0.521)**

39. Mohd Anis, M I Baig, **S S Hussaini**, M D Shirsat, Mohd Shkir, and H A Ghramh" Linear and nonlinear optical analysis on semi organic L_ proline cadmium chloride single crystal" **Chin. Phys. B Vol. 27, No. 4 (2018) 047801**. **DOI:10.1088/1674-1056/27/4/047801 (ISSN-1674-1056- IF 1.630).**

40. Swati S. Kulkarni, Gajanan A. Bodkhe, Sumedh M. Shirsat, **S. S. Hussaini**, N N Shejwal and Mahendra D. Shirsat "Dye Sensitized Solar Cell based on Environmental Friendly Eosin Y Dye and Al doped Titanium Dioxide Nano particles" **Mater. Res. Express https://doi.org/10.1088/2053-1591/aab2d1. (IF-0.87)**

41. M. Azher, G. Rabbani, **,** M. D. Shirsat, **S. S. Hussaini,** M.I. Baig, H.A. Ghramh, Mohd Anis "Luminescence, laser induced nonlinear optical and surface microscopic studies of potassium thiourea chloride crystal" **Journal of Optik 165(2018) 259-265.**

42. Y.B. Rasal, R.N. Shaikh, M.D. Shirsat, S. Kalainathan and **S S Hussaini "**The Investigation of Potassium tetra thiourea chloride on linear –nonlinear optical, electrical and mechanical properties of KDP crystal for NLO applications" **Ferroelectrics, 2017. 520, 59-74, https://doi.org/10.1080/00150193.2017.1374806.**

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