

RESUME



- 1. Name:** SACHIN JAYARAM NANDRE
- 2. Qualifications:** M.Sc, M.Phil, Ph.D
- 3. Designation:** Assistant Professor
- 4. Present Designation:** Director NSS,KBCNMU,Jalgaon
- 5. Contact:** 9420374473,7588727268
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- 7. Research Project Completed: 02**
- 8. Address- Office address-** National Service Scheme,APJ Kalam Building,Kavayitri Bahinabai Chaudhri North Maharashtra University,P.O.Box No. 80,Umavinagar Jalgaon-425001
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Sr. No	Title of Project	Funding Agency	Minor/Major	Amount	Status
1	Growth and characterization of Iodates of Strontium, Zinc, Cobalt iodate by gel method	University Grants Commission	Minor	Rs. 1,70,000/-	Completed
2	Growth and characterization of tartrate crystal grown by gel method	University Grants Commission	Minor	Rs. 1,20,000/-	Completed

9. ACADEMIC AWARDS, RECOGNITIONS, HONORS, AND REWARDS RECEIVED:

- 1) Best Poster Presentation in National Conference M. G. M. College, Amhedpur (Nanded) 2014
- 2) Best Program Officer Award NSS for Dhule District by North Maharashtra University,Jalgaon Year 2017
- 3) Maharashtra State Govt. Complementary Award as Best Program Officer, NSS Year 2017
- 4) Dhule District Best Teacher Award 2023

5) Chatrapati Shivaji Maharaj Maharashtra Bhushan Puraskar- 2024,By Nisarg Samiti Dhule

10. MEMBERSHIPS:

1. Coordinator of S.Y.B.Sc syllabus restructuring workshop 14 Jan 2016
2. Member of Syllabus framing Committee S.Y.B.Sc 2016
3. Coordinator of National Conference 06 Jan 2018
4. Secretary Dhule District NMUCTO
5. Member of General council, MFCUTO
6. Coordinator of National Conference on Non-conventional Energy Sources for Rural Development of India 2018.
7. Local Coordinator of An Intensive Training Programme for Tribal Children July 2108
8. Coordinator, Dhule District Swachh Bharat Abhiyan 2018.
9. Member of Syllabus framing Committee F.Y.B.Sc 2018
10. Local Coordinator of Bal Vidnyan Melas for Tribal Children's 2019.
11. NSS Area Coordinator of NSS
12. Coordinator of University Level workshop on Prena atmviswas Development 2020
13. Coordinator of University level workshop on Personality Development and Skill development 2020
14. Member, University Perspective Plan Committee 2020
15. Member of Syllabus framing Committee T.Y.B.Sc 2020
16. Member of IQAC KBCNMU Jalgaon.
17. Member of Avhan Committee -2023

11. BOOKS PUBLISHED:

Sr. no.	Name of the Book	Publisher	ISBN/ISSN	Year of Publication
1	Gel Grown Crystals of Strontium & Zinc Iodates	Lap Lambert Academic Publishing	978-3-659-88602-7	2016
2	Gel Grown of Strontium & Zinc Tartrate Crystals	Lap Lambert Academic Publishing	978-3-659-89174-8	2016
3	Growth of Cobalt Iodate & Cobalt Tartrate Crystals by Gel	Lap Lambert Academic Publishing	978-3-659-91529-1	2016
4	Basic Mechanics	Prashant Publications	978-93-88113-36-6	2018

5	<i>Physics Practical</i>	<i>Prashant Publications</i>	<i>978-93-88113-52-6</i>	<i>2018</i>
6	<i>Waves, Oscillations and Acoustics</i>	<i>Nirali Prakashan</i>	<i>938982570-9</i>	<i>2020</i>
7	<i>Optics and Lasers</i>	<i>Nirali Prakashan</i>	<i>938982583-0</i>	<i>2020</i>
8	<i>S.Y.B.Sc Physics Practical</i>	<i>Nirali Prakashan</i>	<i>978-93-89944-39-9</i>	<i>2020</i>
9	<i>Basic Mechanics</i>	<i>Vrunda Prakashan</i>	<i>978-93-93867-28-5</i>	<i>2022</i>
10	<i>Dyanamics and Elasticity</i>	<i>Vrunda Prakashan</i>	<i>978-93-93867-21-6</i>	<i>2022</i>

Research Guidance:

Sr. no.	Name of the Scholar	Title of Research	Date of Registration	Date of Award
1	<i>Pawar Hiralal S</i>	<i>To Study the gel grown cobalt and Barium Oxalate crystal</i>	<i>23/05/2018</i>	<i>12 March 2022</i>
2	<i>Nitin Babulal Baviskar</i>	<i>Crystal Structure and Photoluminescence Study of Malonate Crystals Grown By Gel Method</i>	<i>02/11/2020</i>	
3	<i>Niranjan Santosh Samudre</i>	<i>Growth and Characterization of Iron oxide and Iron sulphide Thin films For Optoelectronic Device Application</i>	<i>02/11/2020</i>	
4	<i>Avinash Ashok Gaikwad</i>	<i>Crystal Structure and Optical Properties Studies of Transition Metal Crystals Grown By Gel Method</i>	<i>02/11/2020</i>	
5	<i>Bharat Gautam Thakre</i>	<i>Structural, Optical and Electrical studies of Sn and Cu Doped Sb₂Se₃ Thin films Grown by Solution process for Photovoltaic Application</i>	<i>01/12/2022</i>	
6	<i>Bhushan Prabhakar</i>	<i>Exploration Of Structural</i>	<i>18/01/2022</i>	<i>11</i>

	Nikam	Nonlinear and Optical Properties Of Ib And Iib Group Transition Metal Tartrate Crystals Synthesized By Gel Method.		December 2023
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12. PROFESSIONAL DEVELOPMENT PROGRAMS ATTENDED:

Name of the Program	Place	Year	Duration	Sponsoring Agency
Orientation Course	A.S.C. University of Pune,	2005	Four weak	UGC
Refresher Course	A.S.C. Dr. B.A.M. University, Aurangabad	2009	Three weak	UGC
Refresher Course	A.S.C. Devi Ahilya Vishwavidyalaya, Indore	2010	Three weak	UGC
Refresher Course	A.S.C. Dr. B.A.M. University, Aurangabad	2010	Three weak	UGC
Orientation Course	B.P.H.E Society's Ahmednagar College Ahmednagar	2011	One Weak	UGC
Short Term Course	A.S.C. Dr. B.A.M. University, Aurangabad	2013	One Weak	UGC
Short Term Course	NVIT Nagpur	2013	One Weak	UGC
Short Term Course	A.S.C. Sant Gadge Baba Amarvati University	2016	One Weak	UGC
The Course Physics of Semiconductor (Online)	Centre for Development of Technical Education Indian Institute of Technology Kanpur	2017	Four Month (Online Course)	IIT,Kanpur

Short Term Course	Savitribai Phule Pune University	2017	One Week	UGC
FDP	Ramanujan College, New Delhi(online)	2020	Sixteen days	MHRD PMMMNMNTT
Short Term Course	Savitribai Phule Pune University, Pune	2020	One week	UGC

13. CONFERENCE/ SEMINAR/ WORKSHOPS ATTENDED:

1. Workshop on “Restructuring of syllabi for Physics at F.Y.B.Sc”, organized by Pratap College, Amalner, 25th January 2007.
2. Workshop on “Restructuring of syllabi for Physics at S.Y.B.Sc”, organized by ASC College, Chalisgaon, 11th -12th December 2007,
3. Workshop on “Visit to laboratories for exploring research trends & career opportunities in Physics, Special Program” Organized by Dept. of School of Physical Sciences, North Maharashtra University Jalgaon. 6th February 2008.
4. Workshop “on Patent Awareness, Sponsored by TIFAC, DST (Govt. of India), New Delhi”, organized by North Maharashtra University Jalgaon. 4th August 2008.
5. Workshop on “New Trends in Higher Education” organized by S.G.Patil College, Sakri, Dist-Dhule 1st March 2009.
6. State level Seminar on “Recent Advances In Nanocrystalline Materials And Applications-2009” organized by Dept. of Physics P.S.G.V.P.Mandal’s Art’s, Science and commerce College, Shahada, Dist.Nandurbar 6th -7th Feb.2009.
7. Workshop on “Master Trainers Training Gender & life Skills)” organized by North Maharashtra University Jalgaon. 14th -15th Feb 2009.
8. State level Seminar on “Advances in Science and Technology of Nanomaterials”.(AISATON-2010) organized by Dept. of Physics.S.G.Patil College, Sakri, Dist- Dhule. 8th -9th March 2010.
9. University level workshop on “AVISHKAR 2010” organized by North Maharashtra University Jalgaon. 23th -24th December 2010.

10. *International Conference on Science, Engineering & Spirituality? 2010. Organized by Sanjay Engineering College, Navalnagar Dist – Dhule, 1st -2nd April 2010.*
11. *National Conference on “Materials & Devices For Future Technology” Organized by Dept. of School of Physical Sciences, North Maharashtra University Jalgaon, 7th March 2011.*
12. *National Conference on “Nanostructured Materials for Advanced Technology (NS-NMAT-2011)” organized by Dept. of Physics, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur, Dist. Solapur. (M.S). 3rd -4th Oct 2011.*
13. *National conference on “Nanotechnology and intellectual property rights and patents in science and technology from nano”, Organized by Dept. of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 16th -17th feb 2012.*
14. *National conference on “Lasers and Advanced Materials (NCLAM-2012)” organized by Dept. of Physics, Sant Gadge Baba Amravati University Amravati. (M.S). 29th -30th May 2012.*
15. *“National Conference of Indian Development in Recent and Ideal Semiconductors for Novel Application. Organized by Dept. of Physics. Art’s, Commerce & Science College, Navapur. Dist- Nandurbar, (M.S). 6-7 October 2012.*
16. *“National Conference on Recent Trends in Physics, Organized by Dept. of Physics. Mungasagi Maharaj Mahavidyalaya, Darwha, Dist – Yavatmal, 26-27 Oct 2012.*
17. *International Conference on strategies for sustainable Development in India Organized by J.J.T. University Campus, Jhunjhunu, Rajasthan, and 17-18 November 2012.*
18. *“National Seminar on Advances in Nano – Structured Materials & Their Applications. Organized by Dept. of Physics. Art’s, Commerce & Science College, Taloda. Dist- Nandurbar, (M.S). 22-23 January 2013.*
19. *“National Seminar On Advanced materials and Its Applications., Organized by Dept. of Physics. S.V. S’s Art’s and Science College, Dondaicha, Dist- Dhule, 1-2 Feb 2013.*

20. *“Three Days National Conference on Nanomaterials Avenue. Organized by Dept. of Physics. ,K.R.T. Art’s B.H. Commerce & A.M. Science College, Nasik -2, 21-23 October 2013.*
21. *“ 2nd International conference on “Physics of materials & materials based Device fabrication” Dept of Physics, Shivaji University, Kolhapur 13 to 15 Jan 2014.,*
22. *“National Conference on Non-conventional Energy Sources for Rural Development of India. Organized by Dept. of Physics. Mahatma Gandhi Mahavidyalaya, Ahmedpur.(M.S) 5-6 September 2014.*
23. *Attain 6th International Conference on Technology Development Towards at Cosia House Tisa Thane. 20 Dec 2014.*
24. *Workshop on Eradication of Superstitions University level, Late Annasaheb R.D. Deore Arts & Science College, Mhasadi, 31 Jan 2014.*
25. *National Level Workshop on Awareness workshop of UGC - DAE Consortium for Scientific Research, Dept. of Physics, Rajaram College, Kolhapur, 20 to 21 February 2015.*
26. *National level Faculty Development program for “Global Business Foundation Skills”, at Infosys Mysore, 29 June to 07 July 2015.*
27. *State level Workshop A role of Goatary & poultry farming for rural development, at S.G.Patil College, Sakri, 8 oct 2015*
28. *Two Days National Level workshop sponsored by Internal Quality Assurance Cell, Appasaheb Raghunathrao Bhaurao Garud Arts, commerce & Science College, Shendurni, Dist-Jalgaon, 21 to 22 Jan 2016.*
29. *Workshop on syllabus framing of Physics at T.Y.B.Sc, PSGVP College, Shahada, 25 March 2017.*
30. *State level Conference on New Trends in Recent Materials, Nutan Maratha College, Jalgaon, 30 January 2018.*
31. *National Conference on Business Opportunities for The Tribal’s of India, ASC College, Pimplaner, 2 Feb 2018.*
32. *National Level Workshop Three days’ workshop for PIC officials and Faculties of State S & T Council of India, DST, Govt. of Gujarat, 26-28 June 2018.*

33. Workshop on Re-structuring the syllabus of F.Y.B.Sc (Physics) As CBCS Pattern of UGC, ASC College, Taloda, 30 June 2018,
 34. National Conference on Material Science: Advancement and Innovations SSVP's Science College Dhule, 20th February 2019.
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14.

PAPER PUBLICATIONS:

International/ National and UGC Referred Journals

1. S.J.Nandre, S.J.Shitole and R.R.Ahire, "Thermal and optical studies of gel grown cobalt Iodate crystal," Archives of Physics Research, 2012, 3(1) PP70-77. (Peer Reviewed Journal) ISSN: 0976-0970
2. S.J.Nandre, S.J.Shitole, S.S.Sonawane and R.R.Ahire, "Optical & Surface Morphology of Zinc Tartrate Crystals", International Journal of Basic and Applied Research, special issue 2012, 125-128. ISSN 2278-0505.
3. S.J.Nandre, S.J.Shitole and R.R.Ahire, "Study of Growth, EDAX, Optical properties and surface Morphology of Zinc Tartrate Crystals," Journal of Nano- And Electronic Physics, 2012, vol.4(4), PP. 4013-4016. (Peer Reviewed Journal), ISSN 2077-6772
4. S.J.Nandre, S.J.Shitole and R.R.Ahire "Structural and Optical Study of Gel Grown Crystals of Zinc Iodate," Journal of Scientific Review, 2013, 4(1), PP. 203-207. (Peer Reviewed Journal) ISSN 0975-0754.
5. S.J.Nandre, S.S.Sonawane, S.J.Shitole, and R.R.Ahire, "Nucleation and growth of calcium tartrate crystals in sodium meta silicate gel," Archives of Applied Science Research, 2013, 5(3), PP. 237-240. (Peer Reviewed Journal), ISSN 0975-508X.
6. S.J.Nandre, S.J.Shitole, and R.R.Ahire, "Structure, surface morphology and thermal study of strontium tartrate crystals grown in silica gel by single diffusion method", Advances in Applied Science Research, 2013, 4(5), PP. 223-231. ISSN -0976-8610.
7. S.J.Nandre, S.J.Shitole, and R.R.Ahire, "FT-IR, Thermal and Optical Studies of Gel Grown Cobalt Tartrate Crystals," Journal of Nano- And Electronic Physics, 2014, 5(4), PP. 4050-4055. (Peer Reviewed Journal), ISSN 2077-6772
8. S.J.Nandre, S.S.Sonawane, R.R.Ahire and S.J.Shitole, "Study of structural and physical properties of calcium tartrate crystals grown by single diffusion technique," Der Pharma Chemica, 2014, 6(3), PP. 33-38. (Peer Reviewed Journal). 0975-413X
9. S.J.Nandre, S.S.Sonawane, R.R.Ahire and S.J.Shitole, "Synthesis and Characterization of Barium Tartrate Crystals by Hydro Silica Gel Method",

- Journal of Scientific Review*, 2014,1(1),1-6.(Peer Reviewed Journal),ISSN0975-0754.
10. S.J.Nandre, S.S.Sonawane, R.R.Ahire and S.J.Shitole “Elemental And Internal Morphology of Cadmium Tartrate Crystal Grown By Hydro silica Gel Method,” *Renewable Research Journal*, 2014, 3(1),PP. 47-52. ISSN 2321-1067.
 11. S.J.Nandre, S.J.Shitole, and R.R.Ahire, “Structural, Morphological and Optical Study of Strontium Iodate Crystals Grown in Silica Gel,” *International Journal of Chemical and Physical Sciences*, 2014, 1,PP.123-130. (Impact Factor: 1.815). ISSN- 2278-0505.
 12. S.J.Nandre, S. J. Patil, A.V.Patil, C. G. Dighavkar, K. S. Thakare, R.Y.Borase, N. G.Deshpande and R. R. Ahire, “Semiconductor metal oxide compounds based gas sensors: A literature review, ” *Frontiers of Materials Science*,2015,5(9),PP.14-37.(Impact Factor: 1.000.). ISSN -2095-025X.
 13. D.V.Sonawane,S.J.Nandre, D.K.Sawant,H.M.Patil & R.R.Ahire “Environmental effect on Growth of Copper Tartrate Crystals by single diffusion gel Method,” *Academic Research*,2015, vol.1 PP.19-24.ISSN 2230-7796.
 14. S.J.Patil, K.S.Thakare, S.J.Nandre and R.R.Ahire, “Influence of firing temperature on compositional & structural parameters of screen printed TiO₂ Thick films,” *Bionano frontier*, 2015, PP. 63-66. (Impact Factor: 4.85). ISSN-2320-9593
 15. S.J.Nandre, D.V.Sonawane, H.M.Patil, D.K.Sawant, R.R.Ahire “Nucleation and Growth of Copper Tartrate Crystals in Sodium Meta- silicate gel”, *International Journal of Science Info (IJSI)*,(2016), PP. 263 To 268, ISSN- 2455-4367.
 16. S.J.Nandre, D.V. Sonawane,R.R.Ahire “Study of NLO properties of Grown Copper Tartrate Crystals By Single Diffusion Gel Method”, *Vidyawarta Interdisciplinary Multilingual Refereed Journal*, Vol-06.(2017). PP. 47 To 52, ISSN: 2319 9318, Impact Factor 4.014.
 17. S.J.Nandre,R.R.Ahire “Review Article on Human Rights, Health and Environmental Protection”,*Vichar Manthan*,2017,Vol.4(3) PP. 64 To 65 ISSN No.2347-9639 Impact factor 2.283.
 18. S.J.Nandre N.B.sonwane,S.S.Sonwane,R.R.Ahire “India Towards solar Energy Independence”,*Journal of Research and Development* 2017,Vol.8, PP. 102 To 109,ISSN-2230-9578. Impact Factor.4.270.
 19. S.J.Nandre D.V.Sonawane,H.M.Patil, D.K.Sawant, and R.R.Ahire, “Growth of Lithium Tartrate crystals by gel method,”*Journal of Research and Development* 2017,Vol.8, PP. 58 To 59, ISSN-2230-9578. Impact Factor.4.270.

20. S.J.Nandre, S.S.Sonawane, and R.R.Ahire "Rival Study of Strontium tartrate and calcium tartrate gel grown crystals," *Journal of Research and Development* 2018 Vol.8, PP.83 To 93. ISSN-2230-9578. Impact Factor.4.270.
21. S.J.Nandre, N.B.sonwane, S.S.Sonwane, and R.R.Ahire, "Role of Business for development of tribles", *Journal of Research and Development* 2018, Vol.8 PP. 50 To 53, ISSN-2230-9578. Impact Factor.4.270. ISSN -2348-7143
22. S S Sonawane and S J Nandre "Use of Nanotechnology for Disaster relief and Development cooperation" *Printing Area International*, From 57 To 61. 2018
23. S.J.Nandre, S.S.Sonawane, N.B.Sonawane and R.R.Ahire, "A Scientific Approach towards Social Media, "Research Journey, 2018 Special Issue, PP.22 to 24, Impact Factor 3.452, ISSN 2348-7143.
24. S.J Nandre, S.S.Sonawane and R.R.Ahire, "NANOTECHNOLOGY APPLICATIONS: Current and future Nanotechnology applications Nanomaterials, Nano-electronic Nano-medecine and bio nanotechnology applications", *International Journal of Emerging Technologies and Innovative Research*, ISSN – 2349-5162. Impact factor 5.87
25. S.J.Nandre "India's Challenges In Waste Management", *International Journal of Emerging Technologies and Innovative Research*, ISSN – 2349-5162, Impact factor 5.87.
26. S.J.Nandre, S.S.Sonawane, N.B.Sonawane and R.R.Ahire, "Renewable and Non –Renewable Energies for Sustainable Development", *Ajanta An International Multidisciplinary Quarterly Research Journal*, PP 179-186, 2019. ISSN 2277-5730.
27. D.V.Sonawane, D.K.Sawant, H.M.Patil, S.J.Nandre, and R.R.Ahire, "Growth of mixed Copper- lithium Tartrate Crystal by single Diffusion Gel Method", *Ajanta An International Multidisciplinary Quarterly Research Journal*, Pp118-125, 2019. ISSN 2277-5730.
28. N.B.Sonawane, S.J.Nandre and R.R.Ahire "Thin Film Characterization TechniquesA Theoretical Background" *Research Journey* From 5 To 8, 2020. ISSN - 2348-7143
29. H. S. Pawar, S. J. Nandre, N. B. Sonawane and R. R. Ahire, "Synthesis of Cobalt Oxalate Crystal in Agar-Agar Gel", *Journal of Research and Development*, vol-10, pp225-29, (2020) (Impact Factor 4.20, ISSN: 2230-9578).
30. H. S. Pawar, S.J. Nandre, S. D. Chavhan and R. R. Ahire, "Growth and Characterization of Barium Oxalate Crystals by Single Diffusion Gel Method", *Journal of Emerging Technologies and Innovative Research*, vol-8, pp625-634, (2021)(Impact Factor 5.87, ISSN: 2349-5162).
31. H. S. Pawar, S. J. Nandre, N. B. Sonawane, S. D. Chavhan and R. R. Ahire, "Growth and Characterization of Cobalt Oxalate Crystal by Agar-Agar Gel Method", *International Journal of Creative Research Thoughts*, vol-9, pp-1343-1348, (2021),(Impact Factor 7.97, ISSN: 2320-2882).

32. H. S. Pawar, S. J. Nandre, S. D. Chavan and R. R. Ahire, “*Physical and Morphological Study of Barium Oxalate Crystals Grown by Agar-Agar Gel Method*”, Journal of Emerging Technologies and Innovative Research, vol-8, pp737-743, (2021) (*Impact Factor 7.95, ISSN: 2349-5162*).
33. H. S. Pawar, S. J. Nandre, S. D. Chavhan and R. R. Ahire, “*Thermal and Morphological Study of Transition Metal Cobalt Oxalate Crystal Grown By Agar-Agar Gel Technique*”, International Journal of Creative Research Thoughts, vol-9, pp349-355, (2021), (*Impact Factor 7.97, ISSN: 2320-288*).
34. M.B.Deore, K.S.Thakare, U.P.lad and S.J. Nandre “*SnO₂ Thin Films Gas Sensing Properties on Various Annealing Temperature Using Spray Pyrolysis Method*”. Wesleyan Journal of Research. Vol.14.No.16 (May 2021)
35. M.B.Deore, U.P.lad and S.J. Nandre Acetone Gas Sensing Studies of SnO₂ Thin Films Annealed at Different Temperatures. “Rex Journal ISSN 2321-1067 Renewable Research Journal.
36. Bhushan Nikam, Astha Singh and Sachin Nandre, XRD, FTIR, AND THERMAL STUDIES OF SINGAL CRYSTAL CADMIUM TARTRATE GROWN BY GEL METHOD. Journal of the Asiatic Society of Mumbai Vol. 96, No. 12, December **(2022)**.
37. B. P.Nikam, S.J.Nandre and C.P. Nikam, “A Review Of The Characterization Development Of Alkali And Transition Metal Element In Crystals Growths”. JETIR Volume 9, Issue 2, February **(2022)**.
38. Bhushan Nikam, Astha Singh and Sachin Nandre, “Growth Synthesis and methodology of Tartrate crystal –A Brief Review”. Rex Journal Volume 10 Issue - 4**(2022)** 64-69.
39. N.B.Baviskar, B.P.Nikam and S.J,Nandre, “Numerous Characteristics Mechanisms for Analyzing Single Crystal Synthesis, Formation and Optical Properties”. Research Journey, Issue-291A,4 **(2022)** .
40. A.A.Gayakwad, S.J. Nandre, H.S.Pawar and R.R.Ahire. “Growth and Thermal Characterization Study of Cadmium Oxalate Crystal in Agar Gel”. Journal of Emerging Technologies and Innovative Research, vol-10, Issue 12 ppe83-e87, (2023) (*Impact Factor 7.87, ISSN: 2349-5162*).

41. A.A.Gayakwad,S.J. Nandre,H.S.Pawar and R.R.Ahire. "Physical Characterization of Manganese Oxalate Crystal Growth By Agar - Agar Gel Method". Journal of Emerging Technologies and Innovative Research (JETIR). vol-10,Issue-3, ppe381-386, (2024) (*Impact Factor 7.95, ISSN: 2349-5162*).
42. A.A.Gayakwad,.S.J. Nandre,H.S.Pawar,R.R.Ahire and S.D.Chavan. "Crystal Growth And Characterization Of Cadmium Manganese Oxalate Crystals Grown By Agar -Agar Gel Method," International Journal of Creative Research Thoughts (IJCRT), vol-12,Issue-4, ppe509-517, (2024).(*Impact Factor7.97, ISSN: 2349-5162*).
43. A.A.Gayakwad,.S.J. Nandre,H.S.Pawar,R.R.Ahire and A.J.More. "Physical and Structural Characterization of Cadmium Oxalate Crystal Growth by Agar - Agar Gel Method," International Journal of Scientific Development and Research (IJS DR) vol-9,Issue-7, ppe731-736, (2024) (*Impact Factor 8.15, ISSN: 2455-2631*).
44. A.A.Gayakwad,.S.J. Nandre,H.S.Pawar and R.R.Ahire. "Structural and Optical Characterization of Manganese Oxalate Crystals Grown by Agar -Agar Gel Method". Strad Research, VOLUME 11, ISSUE 8,pp-225-232, (2024). **ISSN:** 0039-2049).
- 45.

Research Papers in Conference Proceedings

1. S.J.Nandre, S.J.Shitole and R.R.Ahire, "Single crystal growth and characterization of Strontium iodate in sodium meta silicate gel" Proceeding of U.G.C. Sponsored National Conference On NCRAMS 2011 From 43 To 6
2. S.J.Nandre, S.J.Shitole and R.R.Ahire, "Growth and Study of Optical Characterization of Strontium Iodate Single Crystal," Prashant Publication Jalgaon, 2013, PP.104-110. ISSN- 978-93-82414-41-4.
3. S.J.Nandre, S.J.Shitole, S.S.Sonawane and R.R.Ahire, "Growth and Study of Calcium tartrate Single crystal for Optoelectronics Application", Prashant Publication Jalgaon, 2013, PP.78-85. ISSN- 978-93-82414-41-4.
4. S.J.Nandre, S.J.Shitole, S.S.Sonawane and R.R.Ahire, "Growth, XRD, Thermal and FT-IR studies of some gel grown single crystal of Zinc Tartrate," Shabhdagandha Publication, 2013, PP.155-160. ISBN 978-81-924820-3-3.

5. S.J.Nandre, S.J.Shitole, S.S.Sonawane and R.R.Ahire, "X-ray Diffraction studies of strontium Iodate crystal by gel technique," BSPK Book Publishing Company, Special Issue (2016),PP. 112-118. ISBN – 978-93-84198-42-8.
6. S.J.Nandre, N.B.Sonawane, D.V.Sonawane, S.S.Sonawane and R.R.Ahire, "Non-Conventional Energy Sources For Rural Development of India," Platinum A peer Reviewed National Multidisciplinary Journal, 2016 Vol.6 (4) PP.42-46,ISSN 2231-0096.
7. S.J.Nandre, N.B.Sonawane, S.S.Sonawane and R.R.Ahire, "Pollution in Various Festivals in India and Creating Awareness to people", Ajnata Prakashan2017 PP.116-118,Impact Factor 3.378,ISSN 2277-5730.
8. S.J.Nandre Role of Indian Women In Politics, Atharva Publication ISBN 978-93-87129-95-5pp 183-187, 2019
9. S.J.Nandre, S S Sonawane and R R Ahire 'Windmill is another Sources of Alternative Energy for the Development of India'. Journal of Research & Development Vol. 8 (Issue 05), May-July 2018 (ISSN-2230-9578) Pp35-40. ISSN-2230-9578
10. A.G.Patil and S.J.Nandre, "E-waste Management as a Global Challenge" Journal of Research and Development from 14 to 18, 2020. ISSN-2230-9578.
11. S J Nandre, N B sonawane and R R Ahire, " Role in Prevention of CORONA Virus Infection" Journal of Research & Development Vol. 10 (Issue 08),pp18 to 20. 2020, ISSN-2230-9578.
12. D.V.Sonawane, S.J.Nandre, Sudam chavan and R.R.Ahire, "Growth of Copper Tartrate Crystals in Sodium Meta-Silicate Gel Method" "Ethical and Quality Aspects in Nanoscience and Nanotechnology Research" One Day International e-Conference on 20th June 2020,pp313-315,ISBN: 978-93-87098-56-5.
13. S.J.Nandre, N.B.Sonawane and R.R.Ahire, "E-Waste Management in India: A Scenario" "Ethical and Quality Aspects in Nanoscience and Nanotechnology Research" One Day International e-Conference on 20th June 2020,pp328-330,ISBN: 978-93-87098-56-5
14. H.S.Pawar,S.J.Nandre,N.B.Sonawane and R.R.Ahire, "Synthesis of Cobalt Oxalate Crystal in Agar Agar Gel, Journal of Research and Development From 210 To 215, 2020. ISSN-2230-9578.
15. S.J.Nandre, "The Philosophy of Mahatma Gandhi National Service Scheme",Atharva publications Jalgaon.2020 PP33-40,ISBN:978-93-90288-28-1

15. RESOURCE PERSON:

- 1) Poster Presentation Examiner for National Conference, ASC College, Songir

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2) NSS Camp Deliver the lecture on Science & Technology, Social Media,

3) Examiner of Science Exhibition, etc.

4) HRDC Pune

5) ETI training Ahmednagar

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