

Resume

1. Name: Sachin Jayaram Nandre
2. Qualifications: M.Sc,M.Phil,Ph.D
3. Designation: Assistant Professor
4. Contact:9420374473,7588727268
5. Email ID:sjnandre@gmail.com
6. Research Project Completed:02



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 Grant Commission	Minor	Rs. 1,70,000/-	Complete
2	Growth and characterization of tartrate crystal grown by gel method	University Grant Commission	Minor	1,20,000/-	Complete

7. Academic Awards, Recognitions, Honors, and Rewards Received:

- 1) Best Poster Presentation in National Conference M. G. M. College, Amhedpur (Nanded)
- 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

8. 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. Local Coordinator of An Intensive Training Programme for Tribal Children July 2108
7. Coordinator, Dhule District Swachh Bharat Abhiyan 2018.
8. Member of Syllabus framing Committee F.Y.B.Sc 2018

9. 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

10. Research Guidance:

Sr. no.	Name of the Scholar	Title of Research	Date of Registration	Date of Award
1	Pawar Hiralal S			
	Sonawane Pratik C			

11. Professional Development Programs Attended:

Name of the Program	Place	Year	Duration	Sponsoring Agency
Orientation	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,	2013	One Weak	UGC

	Aurangabad			
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 Weak	UGC

12. Conference/ Seminar/ Workshops attended (Last 5 Years)

1. “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.
2. “National Conference On Recent Trends In Physics, Organized by Dept. of Physics. Mungasagi Maharaj Mahavidyalya, Darwha, Dist – Yavatmal, 26-27 Oct 2012.
3. Attain International Conference on strategies for sustainable Development in India Organized by J.J.T. University Campus, Jhunjhunu, Rajasthan, and 17-18 November 2012.
4. “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.
5. “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.
6. “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.
7. “ 2nd International conference on “Physics of materials & materials based Device fabrication” Dept of Physics, Shivaji University, Kolhapur 13 to 15 Jan 2014.,

8. "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.
9. Attain 6th International Conference on Technology Development Towards at Cosia House Tisa Thane. 20 Dec 2014.
10. Workshop on Eradication of Superstitions University level, Late Annasaheb R.D. Deore Arts & Science College, Mhasadi, 31 Jan 2014.
11. National Level Workshop on Awareness workshop of UGC - DAE Consortium for Scientific Research, Dept. of Physics, Rajaram College, Kolhapur, 20 to 21 February 2015.
12. National level Faculty Development program for "Global Business Foundation Skills", at Infosys Mysore, 29 June to 07 July 2015.
13. State level Workshop A role of Goats & poultry farming for rural development, at S.G.Patil College, Sakri, 8 Oct 2015
14. 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.
15. Workshop on syllabus framing of Physics at T.Y.B.Sc, PSGVP College, Shahada, 25 March 2017.
16. State level Conference on New Trends in Recent Materials, Nutan Maratha College, Jalgaon, 30 January 2018.
17. National Conference on Business Opportunities for The Tribal's of India, ASC College, Pimplaner, 2 Feb 2018.
18. 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.
19. Workshop on Re-structuring the syllabus of F.Y.B.Sc (Physics) As CBCS Pattern of UGC, ASC College, Taloda, 30 June 2018,

20. Paper Publications (Last 5 Years)

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),ISSN**0975-0754**.
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.
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 tribes*”,Journal of Research and Development 2018,Vol.8 PP. 50 To 53, ISSN-2230-9578.Impact Factor.4.270.
 22. **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.

Research Paper in Conference Proceedings

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.

14. Resource Person:

- 1) Examiner for Poster Presentation at National Conference, at ASC College, Songir,
- 2) Delivered a guest lecture on Science & Technology, Social Media at NSS Camp.
- 3) Examiner for Science Exhibition, etc.
- 4) Delivered a guest lecture on ‘Social Media’ at Intensive Training Program for Tribal Students at S.G.P. College, Sakri
- 5) Delivered a guest lecture on ‘Orientation of National Service Scheme’ at H. R. Patel Arts College, Shirpur.