

**Dr. Sachin Jayaram Nandre**  
**(Currently working as Director, NSS KBCNMU, Jalgaon)**

Assistant Professor in Physics  
Uttamrao Patil Arts and Science College, Dahivel  
Email ID: [snandre@gmail.com](mailto:snandre@gmail.com)



1. Department: Physics
2. Qualification: M. Sc, M. Phil, Ph. D
3. Designation: Assistant Professor
4. Date of Appointment: 06/07/1998
5. Mob. No. 7588727268, 9420374473
6. Research Details:

	Title	Subject	Name of the University	Year of Award
M. Phil	“Growth and Characterization of Strontium Iodate Crystals By Gel Method”	Physics	North Maharashtra University Jalgaon	4 May 2009
Ph. D	Thermal, Optical And Electrical Properties of II <sup>nd</sup> and VIII <sup>th</sup> Group of some Gel Grown Iodates & Tartrate Crystals	Physics	North Maharashtra University Jalgaon	9 October 2014

7. Research Projects Completed:

Sr. no.	Title	University /UGC	Year of Completion	Sanctioned Amount
1	<i>Growth and characterization of Iodates of Strontium, Zinc, Cobalt</i>	UGC	2014	120000/-

	<i>iodate by gel method</i>			
2	<i>Growth and characterization of tartrate crystal grown by gel method</i>	UGC	2017	17000/-

8. Research Guide: Yes/No      Yes                      Year :2018

1	No. of Student working under	06
2	No. of Student got Awarded	00

9. Memberships:

Sr. No.	Name of the Body/University	Member Since and to
1	Life Member of Physics Teacher Association NMU Jalgaon	2000
2	<i>Joint Secretary Dhule District NMUCTO</i>	2014 to 2019
3	<i>Secretary Dhule District NMUCTO</i>	2019 to till date
4	<i>Member of General council, MFCUTO</i>	2018 to till date
5	<i>Secretary Maratha Seva sangh Sakri</i>	2018 to till date
6	<i>Member of Anis Sakri</i>	2017 to till date
7	<i>Life member of Marathi Vigyan Parishad Mumbai</i>	2013

10.

11. On University, District, Tehsil Bodies:

Sr. No.	Name of the Body/University	Member Since and to
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1	<i>Coordinator, Dhule District Swachh Bharat Abhiyan</i>	2018
2	<i>Local Coordinator of An Intensive Training Programme for Tribal Children July 2108</i>	
2	<i>Member, University Perspective Plan Committee</i>	2020
2	Area Coordinator of NSS	2018 to 2021
3	District Coordinator of NSS	2021 to till date
4		

## 12. Book Publications:

Sr. No.	Title of the Book	Year of Publication	ISBN no.
1	<i>Gel Grown Crystals of Strontium &amp; Zinc Iodate</i>	2016	978-3-659-88602-7
2	<i>Gel Grown of Strontium &amp; Zinc Tartrate Crystals</i>	2016	978-3-659-89174-8
3	<i>Growth of Cobalt Iodate &amp; Cobalt Tartrate Crystals by Gel</i>	2016	978-3-659-91529-1
4	<i>Basic Mechanics</i>	2018	978-93-88113-36-6
5	<i>Physics Practical</i>	2018	978-93-88113-52-6
6	<i>Waves, Oscillations and Acoustics</i>	2020	938982570-9
7	<i>Optics and Lasers</i>	2020	938982583-0
8	<i>S.Y.B.Sc Physics Practical</i>	2020	978-93-89944-39-9

13. No of conference/seminar/workshop attended:

1	No. of Seminar/Conference Attended	International	07
		National	38
		State level	21
2	No. of workshop Attended		19

14. Research Paper Publication:

Sr. no.	Title of the paper	Name of the Journal	Month and Year of Publication	ISSN no.	Impact Factor	UGC CARE List no.	Level National/International
1	Single Crystal Growth and Study of Strontium Iodate in Gel Method	Pelagia Research Library	2011,	0976-8610	-	-	International
2	<i>“Thermal and optical studies of gel grown cobalt Iodate crystal,”</i>	<i>Archives of Physics Research, 2012</i>	March 2012	0976 - 0970	-	-	International

3	<i>“Optical &amp; Surface Morphology of Zinc Tartrate Crystals”,</i>	<i>International Journal of Basic and Applied Research</i>	May 2012	2278-0505	-	-	International
4	<i>“Study of Growth, EDAX, Optical properties and surface Morphology of Zinc Tartrate Crystals,”</i>	<i>Journal of Nano-And Electronic Physics,</i>	May 2012	2077-6772	-	-	International
5	<i>“Structural and Optical Study of Gel Grown Crystals of Zinc Iodate,”</i>	<i>Journal of Scientific</i>	March 2013	0975-0754	-	-	International
6	<i>Nucleation and growth of calcium tartrate crystals in sodium meta silicate gel,”</i>	<i>Archives of Applied Science Research,</i>	May 2013	0975-508X.			International
7	<i>Structure, surface morphology and thermal study of strontium tartrate crystals grown in silica gel by single diffusion method”,</i>	<i>Advances in Applied Science Research,</i>	April 2013	0976-8610	1.2		International
8	<i>“FT-IR, Thermal and Optical Studies of Gel Grown Cobalt Tartrate Crystals,”</i>	<i>Journal of Nano-And Electronic Physics,</i>	March 2014,	2077-6772	0.68		International
9	<i>“Study of structural and physical properties of calcium tartrate crystals grown by single diffusion technique,”</i>	<i>Der Pharma Chemica,</i>	June 2014	0975-413X	0.127		International

10	"Synthesis and Characterization of Barium Tartrate Crystals by Hydro Silica Gel Method", 2014,	Journal of Scientific Review	June 2014	0975 - 0754 .			International
11	"Elemental And Internal Morphology of Cadmium Tartrate Crystal Grown By Hydro silica Gel Method,"	Renewable Research Journal,	June 2014	2321 - 1067			International
12	"Structural, Morphological and Optical Study of Strontium Iodate Crystals Grown in Silica Gel,"	International Journal of Chemical and Physical Sciences	June 2014	2278 - 0505	1.81 5		International
13	"Semiconductor metal oxide compounds based gas sensors: A literature review,"	Frontiers of Materials Science	May 2015	- 2095 - 025 X.	1.00		International
14	"Environmental effect on Growth of Copper Tartrate Crystals by single diffusion gel Method,"	Academic Research,	Oct 2015	2230 - 7796 .	-	-	International
15	"Influence of firing temperature on compositional & structural parameters of screen printed TiO <sub>2</sub> Thick films,"	Bionano frontier,	Nov 2015	2320 - 9593	4.85	-	International
16	"Nucleation and Growth of Copper Tartrate Crystals in Sodium Meta-silicate gel",	International Journal of Science Info (IJSI),	Jan 2016	2455 - 4367 .	-	-	International

17	"Study of NLO properties of Grown Copper Tartrate Crystals By Single Diffusion Gel Method",	Vidyawarta Interdisciplinary Multilingual Refereed Journal,	June 2017	2319 9318 ,	4.01 4	843 1	International
18	"Review Article on Human Rights, Health and Environmental Protection",	Vichar Manthan,	2017	2347 - 9639	2.28 3.		International
19	"India Towards solar Energy Independence",	Journal of Research and Development	Jan 2018	2230 - 9578	4.27 0		International
20	"Growth of Lithium Tartrate crystals by gel method,"	Journal of Research and Development	Jan 2018	2230 - 9578	4.27 0		International
21	"Rival Study of Strontium tartrate and calcium tartrate gel grown crystals,"	Journal of Research and Development	Jan 2018	2230 - 9578	4.27 0		International
22	"Role of Business for development of tribes",	Journal of Research and Development	Jan 2018	2230 - 9578	4.27 0		International
23	"Use of Nanotechnology for Disaster relief and Development cooperation"	Printing Area International,	June 2018	2394 - 5303	7.78	430 53	International
24	"A Scientific Approach towards Social Media,	Research Journey, 2018 Special Issue, PP.22 to 24, Impact Factor, ISSN	July 2018	2348 - 7143.	3.45 2		International
25	"NANOTECHNOLOGY APPLICATIONS: Current and future Nanotechnology	International Journal of Emerging Technologies	Jan 2019	2349 - 5162	5.87	639 75	International

	<i>applications Nanomaterials, Nano-electronic Nano-medecine and bio nanotechnology applications”,,</i>	<i>and Innovative Research</i>					
26	<i>“India’s Challenges In Waste Management”,</i>	<i>International Journal of Emerging Technologies and Innovative Research</i>	<i>Jan 2019</i>	<i>2349 - 5162</i>	<i>5.87</i>	<i>639 75</i>	<i>International</i>
27	<i>“Renewable and Non – Renewable Energies for Sustainable Development”,</i>	<i>Ajanta An International Multidisciplinary Quarterly Research Journal</i>	<i>Feb 2020</i>	<i>2277 - 5730</i>			<i>International</i>
28	<i>“Growth of mixed Copper- lithium Tartrate Crystal by single Diffusion Gel Method”, Pp118-125,2019. ISSN</i>	<i>Ajanta An International Multidisciplinary Quarterly Research Journal,</i>	<i>Feb 2020</i>	<i>2277 - 5730</i>			<i>International</i>
29	<i>“Thin Film Characterization Techniques .....A Theoretical Background”</i>	<i>Research Journey</i>	<i>March 2020</i>	<i>2348 - 7143</i>	<i>6.62 5</i>		<i>International</i>
30	<i>“Growth and Characterization of Barium Oxalate Crystals by Single Diffusion Gel Method”</i>	<i>Journal of Emerging Technologies and Innovative Research</i>	<i>March 2021</i>	<i>2349 - 5162</i>	<i>5.87</i>	<i>490 23</i>	<i>International</i>
31	<i>“Growth and Characterization of Cobalt Oxalate Crystal by Ager-Ager Gel Method</i>	<i>International journal of creative research Thought</i>	<i>April 2021</i>	<i>2320 - 2882</i>	<i>7.97</i>	<i>490 23</i>	<i>International</i>
32	<i>“Thermal and Morphological Study of Transition Metal Cobalt Oxalate Crystal Grown</i>	<i>Journal of Emerging Technologies and</i>		<i>2349 - 5162</i>	<i>7.97,</i>	<i>639</i>	<i>International</i>



	By Agar-Agar Gel Technique”	Innovative Research				75	nal
33	“Physical and Morphological Study of Barium Oxalate Crystals Grown by Agar-Agar Gel Method”,	Journal of Emerging Technologies and Innovative Research,	2021	2349 - 5162	7.95	63975	Internatio nal
34	“Single crystal growth and characterization of Strontium iodate in sodium meta silicate gel”	Proceeding of U.G.C. Sponsored National Conference On NCRAMS	Jan 2011				National
35	“Growth and Study of Optical Characterization of Strontium Iodate Single Crystal,”,	Prashant Publication Jalgaon	2013	978-93-8241-4-41-4.			National
36	, “Growth and Study of Calcium tartrate Single crystal for Optoelectronics Application”,	Prashant Publication Jalgaon	2013	978-93-8241-4-41-4.			National
37	“Growth, XRD, Thermal and FT-IR studies of some gel grown single crystal of Zinc Tartrate,” PP.155-160. ISBN	Shabhdagandha Publication,	2013	978-81-9248-20-3-3.			National
38	X-ray Diffraction studies of strontium Iodate crystal by gel technique,”	BSPK Book Publishing Company, Special Issue	2016	978-93-8419-8-42-8.			National
39	“Non-Conventional Energy Sources For Rural Development of India,”	Platinum A peer Reviewed National Multidisciplinary Journal,	2016	2231 - 0096.			National
40	“Pollution in Various Festivals in India and Creating Awareness to	Ajnata Prakashan	2017	277-5730 .	3.378		National

	<i>people”,</i>						
41	<i>Windmill is another Sources of Alternative Energy for the Development of India’</i>	<i>Journal of Research &amp; Development</i>	<i>July 2018</i>	<i>2230 - 9578</i>			National
42	<i>Role of Indian Women In Politics,</i>	<i>Atharva Publication</i>	<i>2019</i>	<i>978-93-87129-95-5</i>			National
43	<i>“E-waste Management as a Global Challenge”</i>	<i>Journal of Research and Development</i>	<i>2020</i>	<i>2230 - 9578</i>			National
44	<i>“ Role in Prevention of CORONA Virus Infection”</i>	<i>Journal of Research &amp; Development</i>	<i>2020</i>	<i>2230 - 9578</i>			National
45	<i>“Growth of Copper Tartrate Crystals in Sodium Meta-Silicate Gel Method”</i>	<i>“Ethical and Quality Aspects in Nanoscience and Nanotechnology Research”</i>	<i>20th June 2020</i>	<i>978-93-87098-56-5</i>			National
46	<i>“E-Waste Management in India: A Scenario”</i>	<i>“Ethical and Quality Aspects in Nanoscience and Nanotechnology Research”</i>	<i>20th June 2020</i>	<i>978-93-87098-56-5</i>			National
47	<i>“Synthesis of Cobalt Oxalate Crystal in Agar Agar Gel,</i>	<i>Journal of Research and Development</i>	<i>2020</i>	<i>2230 - 9578</i>			National
48	<i>“The Philosophy of Mahatma Gandhi National Service Scheme”,</i>	<i>Atharva publications Jalgaon.</i>	<i>2020</i>	<i>978-93-90288-28-1</i>			National

49	<i>“National Service Scheme is a great medium for skill development”</i>	<i>Atharva publications Jalgaon.</i>	<i>2021</i>	<i>978-93-9171-2-56-3</i>			<i>National</i>
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15. Awards and Recognitions:

- 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) *Coordinator of S.Y.B.Sc syllabus restructuring workshop 14 Jan 2016*
- 5) *Member of Syllabus framing Committee S.Y.B.Sc 2016*
- 6) *Coordinator of National Conference 06 Jan 2018*
- 7) *Local Coordinator of An Intensive Training Programme for Tribal Children July 2108*
- 8) *Member of Syllabus framing Committee F.Y.B.Sc 2018*
- 9) *Local Coordinator of Bal Vidnyan Melas for Tribal Children’s 2019.*
- 10) *Coordinator of University Level workshop on Prena atmwishwas Development 2020*
- 11) *Coordinator of University level workshop on Personality Development and Skill development 2020*
- 12) *Member of Syllabus framing Committee T.Y.B.Sc 2020*
- 13) *Coordinator of Career Katta KBCNMU Jalgaon*
- 14) *Coordinator of Career Katta Dhule District*
- 15) *Coordinator of Career Katta College,*