

CURICULLUM VITAE

Mr. SANTOSH TUKARAM SHINDE

M. Sc. (Org. Chem.), NET (JRF)

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Birth Date: 12/09/1984

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1.	Name of the faculty:	:	Dr. Santosh Tukaram Shinde
2.	Name of the Department	:	Department of Chemistry
3.	Educational qualifications	:	M.Sc., NET-JRF -CSIR, Ph.D.
4.	Present position	:	Assistant Professor
5.	Address for correspondence	:	A/P-Savindane Tal-Shirur, Dist-pune
6.	e-mail and contact number	:	stshinde@aacmanchar.edu.in santosh120985@gmail.com stshinde@aacmanchar.edu.in Contact Number: 9762952451
7.	Specialization:	:	Organic Chemistry
8.	Total teaching experience:	:	11 yrs.
9.	Courses taught	:	Organic Chemistry, Inorganic Chemistry, Environmental Chemistry, Medicinal Chemistry, Spectroscopy, Photo and Pericyclic chemistry, Stereochemistry
10.	Research experience:	:	15 yrs.

❖ ACADEMIC QUALIFICATIONS:

- **Ph.D.** (Chemistry) October 2019.

Awarded Ph.D. degree from Savitribai Phule Pune University, Pune in October 2019 on the **Title:** Synthesis and characterization of ZnO based nanocrystalline materials and their catalytic application for preparation of Pyridine, Pyrimidine and Pyrazolone motif.

- **CSIR-NET (JRF)** (Chemical Science) June 2012.

Qualified CSIR-NET exam in Chemical Sciences in June 2012 with **CSIR All India Rank - 57**

- **M.Sc.** (Organic Chemistry) July 2009.

Qualified **M.Sc.** in Organic Chemistry with first class from H.R.M College Rajgurunagar (Savitribai Phule Pune University, Pune) in July 2009.

- **Advance Diploma in Technical & Analytical Chemistry (ADTAC)** 2007.

Qualified Advance Diploma in Technical & Analytical Chemistry with First class from **Bharati Vidhyapeeth in 2007.**

- **B.Sc.** (Chemistry) May 2006.

Qualified **B.Sc.** in Chemistry with first class from H.R.M College Rajgurunagar (Savitribai Phule Pune University, Pune) in July 2006.

- **H.S.C.** (Science) June 2003

Qualified HSC in science with First class From Shivaji Vidhyalaya & Junior College, Dhamani, Tal- Ambegaon, Dist- Pune. Maharashtra State Board, Divisional Board- Pune.

- **S.S.C.** June 2001.

Qualified SSC with first class from S. G. D. V. Savindane, Tal- Shirur, Dist-Pune. Maharashtra State Board, Divisional Board- Pune.

❖ **Ph.D Work**

- **Title:** Synthesis and characterization of ZnO based nanocrystalline materials and their catalytic application for preparation of Pyridine, Pyrimidine and Pyrazolone motif
- **Research Institute:** Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, affiliated to Savitribai Phule Pune University.

Guide: Principal, Dr. K. G. Kanade

Co-Guide: Principal, Dr. B. K. Karale

❖ **Work as a Ph.D. Guide**

Name of Ph.D. Students	Tittle	Date of registration	Status
Rohinee Digambar Hoal	Synthesis and Characterization of N-doped TiO ₂ Based Nanocrystalline Materials for Base Catalyzed Organic Transformation	18/08/2022	Ongoing
Ganesh Shahaji Jadhav	Synthesis of N-Heterocyclic Motif by ZnO Based Nanocrystalline Materials and its Biological Screening	18/08/2022	Ongoing
Pranjali Ratnkumar Nalawade	Synthesis and Characterization of MoO ₂ & Nb ₂ O ₃ Based Nanocrystalline Materials for C-C Bond Forming Organic Transformation.	18/08/2022	Ongoing
Samir Suleman Shaikh	Nanocrystalline Transition Metal Mixed Oxide Catalysts for Tandem Oxidation Condensation Reactions	18/08/2022	Ongoing
Shantanu Suresh Thakare	Investigation of Eco-Friendly Adsorptive Material for The Study of Adsorption of Dyes, Phenols and Heavy Metals.	29/04/2022	Ongoing
Vikas Mahadu Punde	Computational Drug Designing, Synthesis, Characterization and Therapeutical activities of N-Substituted Benzimidazol-2-one Derivatives.	29/04/2022	Ongoing

Arun Lahanu Wakchaure	Nanosized Metal Doped ZnO & Fe ₂ O ₃ as A Catalyst for The Synthesis of Biologically Active Pyrazoles & Chromenes	29/04/2022	Ongoing
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❖ **COMPUTER KNOWLEDGE:**

- Knowledge of Microsoft Word, Excel, Power point as well all basic.
- Well acquaint with Internet browsing & applications

❖ **WORK EXPERIENCE IN RESEARCH**

- Work as Research Scientist in R & D Lab. of **Innovassynth Technologies (I) Ltd. Khopoli** from Dec. 2009 to Dec. 2011.

❖ **WORK EXPERIENCE IN LECTURESHIP**

- Worked as a assistant professor in chemistry at H.R.M Rajgurunagar in July 2009 to Dec. 2009 for UG & PG.
- Worked as a assistant professor in chemistry at Rayat Shikshan Sansthas, Annasaheb Awate College Manchar in academic year 12-13 for UG & PG.
- Worked as a assistant professor in chemistry at Rayat Shikshan Sansthas, K .B. P. College Pandharpur in academic year 13-14 for UG & PG.
- Worked as a assistant professor in chemistry at Rayat Shikshan Sansthas, M. J. S. College Shrigonda in academic year 14-15 for UG & PG.
- Presently working as an assistant professor in Chemistry at Rayat Shikshan Sansthas, Annasaheb Awate College Manchar from 2015 for UG & PG.
- Worked as guest lecturers in chemistry at D. G. Walse Patil College Pargaon.
- Worked as guest lecturers in chemistry at B. D. Kale College Ghodegaon.
- Worked as a senior supervisor at H.R.M. Rajgurunagar for university examination.
- Worked as a external practical examiner for F.Y, S.Y and T.Y. B.Sc. as well as M.Sc-I and M.Sc.-II university examination.

❖ **Publication of research papers: in peer reviewed journals, non-peer reviewed journals, conference proceedings, impact factors, UGC notified journals**

Title Subject	URL	Visitor Count/ Impact Factor	Publisher Publication	ISSN/ISBN	Publication Year	Journal Name
Nanosized ZnO Under Solvent Free Condition: A Smart and Ecofriendly Catalyst to Microwave Assisted Synthesis of 3, 4-dihydropyrimidin-2(1H)-ones/Thiones	https://www.ingentaconnect.com/content/ben/csm/2016/000001/00000001/art00008	-	Bentham Science Publishers:	ISSN 2405-4658 (Print); ISSN 2405-4666 (Online)	2016	Current Smart Materials
Nanocrystalline Cu-ZnO as an Green Catalyst for One Pot Synthesis of 4,4 -((phenyl)methylene) bis(3-methyl-1-phenyl-1H-pyrazol-5-ol) Derivatives	https://www.ncbi.nlm.nih.gov/pubmed/30913758	IF: 1.354	American Scientific Publishers	ISSN: 1533-4880 (Print); EISSN: 1533-4899 (Online)	2019	Journal of nanoscience and nanotechnology
Synthesis and characterization of nanostructured Cu-ZnO: An efficient catalyst for the preparation of (E)-3-styrylchromones	https://www.researchgate.net/publication/312269880	IF: 6.13	Elsevier	ISSN: 1878-5352	2016	Arabian Journal of Chemistry
Effect of Cd-doping on the catalytic activity of ZnO nanoflakes in the synthesis of benzimidazoles	https://www.researchgate.net/publication/318683044	IF: 3.134	Springer	ISSN 0922-6168 E-ISSN 1568-5675	2017	Research on Chemical Intermediate
Palladium loaded on ZnO nanoparticles: Synthesis, characterization, and application as heterogeneous catalyst for Suzuki-Miyaura cross-coupling reactions under ambient and ligand-free conditions	https://www.sciencedirect.com/science/article/abs/pii/S0254058419313719	IF: 4.778	Elsevier	ISSN 0254-0584	2020	Materials Chemistry and Physics
ZnCl ₂ loaded TiO ₂ nanomaterial: an efficient green catalyst to one-pot solvent-free synthesis of propargylamines	https://pubs.rsc.org/en/content/articlelanding/2019/ra/c9ra06693d#!divAbstract	IF: 4.036.	RSC	ISSN 2046-2069	2019	RSC Advances
Facile synthesis of nanostructured Ni-Co/ZnO material: An efficient and inexpensive catalyst for	https://www.sciencedirect.com/science/article/pii/S1878535220304184	6.13	Elsevier	ISSN: 1878-5352	2020	Arabian Journal of Chemistry

Heck reactions under ligand-free conditions						
Nanostructured N doped TiO ₂ efficient stable catalyst for Kabachnik–Fields reaction under microwave irradiation	https://pubs.rsc.org/en/content/articlelanding/2020/ra/d0ra04533k	IF: 4.036.	RSC	ISSN 2046-2069	2020	RSC Advances
DBUH-I ₃ complex catalysed synthesis of aryldiene derivatives of pyrazole	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=xLtNIrIAAAAJ&sortby=pubdate&citation_for_view=xLtNIrIAAAAJ:kc_bZDykSQ		Heterocyclic Letter	ISSN : (print) 2231–3087 / (online) 2230-9632	2022	Heterocyclic Letter
Synthesis and Characterization of Transition Metals Doped Zinc Oxides Nanocrystalline Materials by Solution Based Precipitation Technique	https://www.ijcps.org/abstract.php?article_id=624	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS
Green synthesis, Characterization of Derivatives of 1, 1'-binaphthalene]-2, 2'-diol	https://www.ijcps.org/abstract.php?article_id=587	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS
A Review on Recent Advances in the Coumarin Derivatives Synthesis via Knoevenagel and Pechmann Condensation	https://www.ijcps.org/abstract.php?article_id=617	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS

12. Minor research projects Ongoing

Sr. No.	Title of the project	Duration of the Project	Grant received	Funding agency	Completed /Ongoing
1	Application of ZnO based nanocrystalline material in organic transformation	2021-23	Rs 28000/-	AAC Manchar	Ongoing

❖ Participation in conferences, symposia, seminars and workshops:

Title	Name of sponsoring agency	Level	Oral/Poster	Date
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NET, SET Preparation	New Arts Commerce and Science College Parner	National	-	17 th and 21 st Aug. 2011
Recent Trends in Analytical Chemistry	Arts Commerce and Science College Satral Tal: Rahuri	National	Poster	30 th and 31 st Aug. 2014
Advances in chemical science with special reference to molecular spectroscopy material science and organic electronics	Fergusson College Pune	National	Poster	22 Aug. 2014
Frontier Areas in Chemical Sciences	Y.C. College, Satara	National	Oral	27/01/2017-28/01/2017
Emerging trends in chemical sciences	P. V. P. College Pravaranagar	National	Poster	20 th and 21 th Jan. 2017
Recent Innovation in Chemical & Environmental Sciences (RICES-2018)	A. A. College, Manchar	National	Oral	30 th & 31 st January 2018

❖ **International, national, state or university level, attended. Presented paper, chaired session. Resource person.**

1. Work as a resource person in two days State Level Seminar on “NEP-2020: Opportunities and Challenges” on 20-21 February 2023 in order to explore the strategies for enhancing the competence of teachers in Higher education, organized by RCPET’s R. C. Patel Arts, Commerce and Science College, Shirpur (Maharashtra)
2. Work as a resource person in two days State Level Workshop On Implementation of New Education Policy 2020: Adaptation of Guidelines on NHEQF & Curricular Framework & Credit System for Four Year Undergraduate Programme (FYUP) 2nd & 3rd March 2023 Sponsored by BOD SPPU, Pune, organized by Annasaheb Awate College Manchar, Pune Maharashtra.
3. Work as a resource person in One Day Online National Level Workshop On “How to Crack CSIR-UGC NET/SET/GATE Competitive Examinations in Chemical Sciences” Organized by Internal Quality Assurance Cell (IQAC) and Department of Chemistry on 17th March 2023 by R. B. Narayanrao Borawake College, Shrirampur-413709

❖ **Full length Papers published in Conferences**

Title Subject	Organized by	Visitor Count/ Impact Factor	Publisher Publication	ISSN/ISBN	Publication Year	Journal Name
Synthesis and Characterization of Transition Metals Doped Zinc Oxides Nanocrystalline Materials by Solution Based Precipitation Technique	AAC Manchar	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS
Green synthesis, Characterization of Derivatives of 1, 1'-binaphthalene]-2, 2'-diol	AAC Manchar	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS
A Review on Recent Advances in the Coumarin Derivatives Synthesis via Knoevenagel and Pechmann Condensation	AAC Manchar	IPI Value (3.42)	IJCPS	ISSN:2319-6602	2018	IJCPS

❖ **Books published: with ISBN No., without ISBN No., Chapters in books.**

Sr. No.	Name of Author/s	Name of book and publisher	ISBN/ ISSN No.	Year	National/ International
1	Dr. Shinde S. T.	AAC Flora and Fauna	978-93-5717-873-0 (PB)	2022	International

❖ **Participation in co-curricular and extra-curricular activities.**

a)	Leadership Activities- Work as chairman for the	<ol style="list-style-type: none"> 1. NAAC Criterion -III 2. Research cell 3. IPR Cell 4. Seed money Minor Research Project 5. Innovation Cell 6. Science Spectrum
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		<ul style="list-style-type: none"> 7. NIRF 8. DBT Star project
b)	Contribution to society	<ul style="list-style-type: none"> 1. 1 % salary as Krutatnyata nidhi to Rayat Shikshan Sanstha. 2. Worked as a presiding officer in assembly election of Maharashtra. 3. Survey of Covid-19 in Manchar.
c)	Contribution to University level	<ul style="list-style-type: none"> 1. Worked as an examiner for T.Y.B.Sc. and S.Y.B.Sc. theory Examination of Pune University. 2. Worked as an examiner for UG and PG Practical Examination in Chemistry of Pune University. 3. Worked as a senior supervisor in the university examination. 4. Worked as a paper setter and moderator.
d)	Work as a member	<ul style="list-style-type: none"> 1. Placement Cell Committee 2. Time Table Committee 3. Library Execution Committee 4. N.S.S. 5. Alumni Association and parent Association committee 6. Karmaveer Vidya Prabodhini 7. Short term Courses- Science Coordinator 8. Staff Academy 9. Wall Paper, De 10.College Web Site Committee 8. U.G.C. Cell

❖ **Refresher/Orientation/Faculty development Programme / short term courses attended**

Sr. No	Name of programme	Place	Duration	Sponsored Agency
1	Orientation Course	Teaching Learning Centre, Ramanujan College University of Delhi	June 26 - July 24, 2020	MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
2	Refresher Course	Teaching Learning Centre, Ramanujan College University of Delhi	01 – 15 February, 2022	MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
3	Master Training Programme	MS-DEED Level 2 Master Trainer Workshop at the Indian Institute of Science Education and Research (IISER) Pune.	19th December 2022 to 30th December 2022	 Maharashtra State Faculty Development Academy

❖ **Conferences, seminars, symposia and workshops organized as convener/coordinator:**

Sr. No.	Name of Conference/ Funding agency/	Place and Dates of conference	Position held	National/ International
1	Interdisciplinary Research in Chemical and Life Sciences	MJS Shrigonda 16-17 February 2020	coordinator	National
2	Integrative Nanotechnology Perspectives for Multidisciplinary Applications	AAC MANCHAR 16-18 January 2022	coordinator	International
3	SOLAR ENERGY CONVERSION: MATERIALS & MEANS	AAC MANCHAR 29 September 2022	coordinator	National

4	Innovation and Technical Entrepreneurship	AAC MANCHAR 1 December 2022	coordinator	National
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Awards /recognitions received: International, National, State, University level: Editorial board, Reviewers for Journals, Teachers awards, Prize in poster presentation, paper reading in conference/seminar, awards related to social work etc.

Special Achievement: