

Curriculum Vitae

Educational Qualification:-

1. Ph.D. (Organic Chemistry)

Thesis entitled “Design and synthesis of some novel heterocyclic compounds using Huisgen 1, 3-dipolar cycloaddition of alkyne and azido precursors and their biological evaluation.” under the supervision : **Prof. Dr. R.B. Bhosale**, Head and Director of the school of chemical sciences, Solapur University Solapur (Maharashtra), India in **Oct 2014**.

2. M.Sc. (Organic Chemistry) from Dayanand College Latur, Swami Ramanand Tirth Marathwada University Nanded, with **63.79%** in June 2008.

3. B.Sc. (Chemistry) from DBF Dayanand College Solapur, Shivaji University Kolhapur, with **57.33%** in May 2006.

4. H.S.C. (Science) from K.S.B.P. Angar, Pune Board, with **53.33%** in June 2003.

5. S.S.C. (Marathi) from K.S.B.P. Angar, Pune Board, with **65.46%** in March 2001.

Academic and Research Experience:-

1. Currently working as an **Assistant Professor in Chemistry** at Baburao Patil College of Arts & Science, Angar from **June-2015 to till date**.

2. PI Life Science Research Centre Limited Udaipur Raj. India. As a **Research Sr. Scientist** since **Aug-2013 to April 2015** in Research centre Lab.

3. Lupin Limited API division Indore M.P. India. As a **Research Synthetic Scientist** since **Dec -2011 to Aug-2012** in Process (API) Research Lab.

4. Piramal Healthcare Ltd. API division Hyderabad A.P. India. As a **Research Associate** since **Oct-2008 to Dec-2011** in Process (API) Research Lab.

Achievements:-

❖ **Hindi Rashtrabhasha Prabodh Exam** Qualified in **First Class** at 1196, 1997, 1998 and 1999.

❖ Bharati Vidyapeet, Pune in **Mathematics Subodh Exam** Qualified in **Second Class** at 1999.

❖ Bharati Vidyapeet, Pune in **English Pre- Intermediate Exam** Qualified in **First**

Class at 1999.

- ❖ Shri. Angarsiddha Shikshan Prasarak Mandal's Angar **awarded in Other Backward class in Third** in S.S.C. Board pune at 2001
- ❖ Received award as a **Best Project Execution Synthetic Scientist in Novartis customer** as its process was develop in a very short span of time, parallel that was up-scale up and **customer Merck** and prepared all the related impurities for both projects , the company conveys its good wishes for the excellent job work in 2012.
- ❖ National conference **NCPACAM -2013** held at Akkalkot college.(**1st prize Awarded**).
- ❖ Organized **1st Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2015-2016.(Campus Drive of ICICI Bank as a position of sales officer in total **18 Students selected** in this activity is successfully completed.)
- ❖ Organized **2nd Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2015-2016.(Campus of ICICI Bank as a position of sales officer in total **12 Students selected** in this activity is successfully completed.)
- ❖ Organized **3rd Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2016-2017.(Campus of Indeejio Services Pvt. Limited as a position of Assistant Manager in total **02 Students selected** in this activity is successfully completed.)
- ❖ Organized **4th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2017-2018.(Campus of ICICI Bank as a position of sales officer in total **17 Students selected** in this activity is successfully completed.)
- ❖ Organized **5th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2018-2019.(Campus of ICICI Bank as a position of sales officer in total **09 Students selected** in this activity is successfully completed.)
- ❖ Organized **6th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2018-2019.(Campus of Khotari Agritech Pvt. Limited, Mohol as a position of Lab Trainee in total **04 Students selected** in this activity is successfully completed.)
- ❖ Organized **7th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2019-2020.(Campus of ICICI Bank as a position of Senior officer in total **06 Students selected** in this activity is successfully completed.)

- ❖ Organized **8th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2021-2022.(Campus of Global Investment Bank as a position of **Business Analyst** in total **04 Students selected** in this activity is successfully completed.)
- ❖ Organized **9th Campus Drive** as Convener at Baburao Patil College of Arts and Science, Angar from 2022-2023.(Campus of Global Investment Bank as a position of Senior officer in total **05 Students selected** in this activity is successfully completed.)

Note: Baburao Patil college of Arts and Science, Angar, Placement cell under campus drive around total **77** students are the selected and off-line campus drive different chemical companies around **13** students are the selected. Since 2015 to 2022 around **90** students are the job.....

Academic, Software & Research Activates:-

- ❖ Maharashtra state certificate Information Technology (MS-CIT) examination with **83%** marks has been obtained.
- ❖ Good Knowledge for **chemdraw software (such as sketch chemical structure reaction and mechanism)**.
- ❖ **Placement Cell** Convener in June 2015 to till date.
- ❖ **Career Guidance Cell** Convener in June 2015 to till date.
- ❖ **Research & Development Committee** Convener in June 2015 to till date.
- ❖ **MOU & Collaboration Committee** Convener in June 2015 to till date.
- ❖ Good interpretation of NMR and Mass data.
- ❖ Literature search through tools such as Science direct, Scifinder, CA etc
- ❖ Transfer of technology from research to the manufacturing stage for commercialization through appropriate validation, scale up and optimum study.
- ❖ Handled light, air & moisture sensitive reactions cautiously with reproducible analytical results.
- ❖ Number of new reaction routs is traced successfully with help of NMR & Mass data.
- ❖ Good ability to carry out reactions on milligram to gram to kilogram scale.
- ❖ Able to work independently as well as in group.

Tenacity:–

Pursues a problem, with appropriate discussion, until it is resolved.

Team Working: –

- ❖ I am actively involved with team activities.
- ❖ Shares information and co-operates with others
- ❖ Follow through on commitments to the team
- ❖ Develops ideas logically by breaking problems into constituents elements
- ❖ Thinks of options when faced with problems, will seek opinions from others.

Publication of Research Papers International/ National Journal: 16

Reference for Research gate: h-index-5 Reads: 3410 Citations: 97

Around Impact Factor minimum: 0.21 to maximum: 3.71

Sr. No.	Month and Year	Title & Impact Factor
1	Jan-2011	Synthesis and biological evaluation of (1-phenyl-3-aryl-1Hpyrazol-4-yl) 6-chloroflavone. Shraavan Y. Jadhav, <u>Sachin P. Shirame</u> , Mahesh G. Hublikar and Raghunath B. Bhosale <i>Avishkar-Solapur University Research Journal, 2011-12, Vol-1 32-36</i>
2	Aug-2012	An improved procedure for synthesis of some novel phenyl pyrazoline derivative using PEG-400 as a recyclable solvent. Sharvan Y. Jadhav, <u>Sachin P. Shirame</u> , Mahesh G. Hublikar, Santosh K. Kathwate and Raguhnath B. Bhosale. Proceeding of physics of nanomaterials & Applications 2012,76-80 ISBN No.978-81-925586-2-2
3	March-2013	Green synthesis of new 1-(3-chlorophenyl)-4(3-(4-phenyltriazole -1-yl) propyl) piperazine derivatives <i>via</i> click chemistry approach and their antimicrobial activities. Sharvan Y. Jadhav, Mahesh G. Hublikar, Santosh K. Kathwate and Raguhnath B. Bhosale. <i>J.Chemistry and Chemical Eng, 2012, 6, 199-208.</i> Impact Factor: 2.03
4	June-2013	PEG mediated green synthesis, molecular docking and biological evaluation of fluoro substituted pyrazole chalcones as anti-inflammatory, antioxidant and antibacterial agents. Shraavan Y. Jadhav, <u>Sachin P. Shirame</u> , Sandeep B. Patil and

		<p>Raghunath B. Bhosale</p> <p><i>In. J. Pharma Bio. Sci. 2013 Apr; 4(2), (P) 390-397</i></p> <p><i>Impact Factor:7.29 SNIP: 0.53 SJR:0.274</i></p>
5	May-2013	<p>Synthesis, Antibacterial Activity and Carcinogenicity Study of 1, 4-disubstituted 1, 2, 3- Bistriazoles <i>Via</i> Click Chemistry.</p> <p><u>Sachin P. Shirame</u>, Sharvan Y. Jadhav and Raghunath B. Bhosale.</p> <p><i>Indian Streams Research Journal, 2013, Vol.3(10), 1-4.</i></p> <p>Impact Factor:0.215</p>
6	June-2013	<p>PEG mediated synthesis and pharmacological evaluation of some fluoro substituted pyrazoline derivatives as anti-inflammatory and analgesic agents Shrvan Y. Jadhav, <u>Sachin P. Shirame</u>, Suresh D. Kulkarni, Sandeep B. Patil, Sharad K. Pasale and Raghunath B. Bhosale.</p> <p><i>Bioorganic & Medicinal Chemistry Letters, 2013, 23, 2575–2578</i></p> <p>Impact Factor:2.82 (Elsevier)</p>
7	Jan-2014	<p>Design and synthesis of 1, 2, 3-triazole quinoline analogues <i>via</i> click chemistry approach and their antimicrobial, antioxidant activities.</p> <p><u>Sachin P. Shirame</u>, Shrvan Y. Jadhav and Raghunath B. Bhosale.</p> <p><i>Asian Journal of Pharmaceutical and Clinical Research, 2014, Vol 7(1), 15-18.</i></p> <p><i>Impact Factor:0.49</i></p>
8	Jan-2014	<p>Synthesis and Potent Antibacterial Activity of Quinoxaline 1, 2, 3-Triazole Derivatives.</p> <p><u>Sachin P. Shirame</u> , Sharad K.Pasale, Sharvan Y. Jadhav , and Raguhnath B.Bhosale.*</p> <p><i>International journal of pharmaceutical Research, 2014</i></p>

		,Vol.6(3), 68-72 Impact Factor:1.54
9	Aug-2014	PEG mediated synthesis and biological evaluation of asymmetrical pyrazole curcumin analogues as potential analgesic, anti-inflammatory and antioxidant agents. Shravan Y.Jadhav , Sachin P. Shirame , Suresh D. Kulkarni, Sandeep B.Patil , Sharad K. Pasale ,and Raghunath B. Bhosale* <i>Chemical Biology & Drug Design</i> 2014,85, 377-384 Impact Factor: 2.46 (Wiley Online Library)
10	Sept.- 2015	PEG Mediated synthesis and antibacterial activity of one pot 1, 4 disubstituted 1, 2, 3-triazole derivatives. Sachin Shirame , Shravan Jadhav, Rakhi Gawali and Raghunath Bhosale* <i>DAV International Journal of Science</i> 2015 vol.6,1-3 Impact Factor: SJR: 0.450
11	Nov-2017	PEG-400 mediated one pot synthesis of 1, 2, 3-bistriazole derivatives by 1,3-dipolar cycloaddition reaction and their biological evaluation Sachin P. Shirame , Mahesh G. Hublikar, Dattatraya G. Raut, Raghunath B. Bhosale* <i>World Journal of Pharmaceutical Research</i> Volume 6, Issue 16, 704-711. SJIF, DOI:10.20959/wjpr201716-10205 Impact Factor : 7.523 ISSN 2277– 7105
12	Jan-2019	Synthesis of some novel (e)-methyl 2,4-dimethyl-5-(3-oxo-3-phenylprop-1-en-1-yl)-1h-pyrrole-3-carboxylate derivatives as antimicrobial agent. Mahesh hublikar, Sachin Shirame Prashant Dixit, Vikas kadu, , Dattatraya Raut, Raghunath Bhosale, Shravan jadhav <i>Asian Journal of Clinical Research</i> Vol. 12, Issue 2, 2019 Impact Factor:0.54
13	May-	E)-2-(2-Allylidenehydrazinyl)thiazole derivatives: Design, green

	2020	<p>synthesis, in silico and in vitro antimycobacterial and radical scavenging studies.</p> <p>Mahesh hublikar, Sachin Shirame, Vikas kadu, Jitender Kumar Dublad, Dattatraya Raut, Raghunath Bhosale*</p> <p>Archiv der Pharmazie 353(7) DOI:10.1002/ardp.202000003</p> <p><i>Impact Factor:3.71 (Wiley Online Library)</i></p>
14	Feb-2022	<p>3-Substituted-2-oxindole derivatives: Design, synthesis and their anti-tuberculosis and radical scavenging dual-action studies.</p> <p>Mahesh hublikar, Sachin Shirame, Vikas kadu, , Dattatraya Raut, Raghunath Bhosale*</p> <p>Journal of Molecular Structure 1261(10):132903</p> <p>DOI:10.1016/j.molstruc.2022.132903</p> <p><i>Impact Factor:3.19 (Elsevier)</i></p>
15	March-2022	<p>Synthesis of 1, 4-disubstituted 1, 2, 3-bistriazole derivatives via click chemistry as potent antibacterial and non-carcinogenic agents.</p> <p>Sachin P. Shirame, Sharvan Y. Jadhav and Raghunath B. Bhosale. <i>Medicinal Chemistry Research (communicated)</i></p>
16	May-2022	<p>Green synthesis of 1, 4- disubstituted 1, 2, 3-triazoles derivatives by using Huisgen 1, 3-dipolar cycloaddition reactions.</p> <p>Sachin Shirame, Sharvan Jadhav and Raghunath Bhosale</p> <p><i>Letters in organic chemistry (Communicated)</i></p>

International Book in Chapter Published: 02

Sr. No.	Book Name	Chapter Title	Publisher	Year & Citations
1.	Green Chemistry	Green Approach in Click Chemistry	(DOI:10.5772/Intechopen.72928) U.S. In London	Feb.2018 Citations: 6
2.	Green Chemistry	PEG Mediated Green One Pot Synthesis by	DOI: http://dx.doi.org/10.57	Jan.2019 Citations: 5

		using Click Reaction	72/intechopen.83776 U.S. In London	
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Indian Patent Published: 02

Sr. NO.	Patent	Title of Patent	Patent No.	Year
1.	Indian Patent	A process For Preparing substituted 1,2,3-triazol-1-yl Quinoxaline Derivatives.	351376	Aug.2019
2.	Indian Patent	A process for preparing 2-Pyrimidyl substituted -2,3-dihydro-1H-Naphthol[1,2-E][1,3] Oxazines.	349355	Aug2019

Presented paper: conference International/National/Seminar/

Workshop: 12

Sr. No.	Year	Level	Venue	Project Name
1	2004	National	Dayanand College, Solapur	Awakening Indians to India
2	2008	National	Sub-centre Osmanabad	Recent Advances In Nano Science
3	2012	International	SUS	Expanding Horizons in chemical and biological sciences: Innovations crossroads (ISCBC-2012)
4	2012	National	K.B.P. Pandharpur	Advanced synthesis of nanomaterial's and their applications
5	2012	International	SUS	"Emerging Trends in Chemical Sciences
6	2013	National	SUS	National Science Day-2013

7	2013	National	Akkalkot	NCPACAM -2013
8	2015	National	Osmanabad	RCAMGC-2015
9	2017	National	BPCAS,Angar	Sexual Harsassment of Women at work place
10	2018	National	BPCAS,Angar	Green Approach in click chemistry
11	2019	National	BPCAS,Angar	Modification, stabilization & Degradation of Polymers
12	2022	National	SUS	One Pot synthesis by using click chemistry reaction.

Project Student Guided:-

M.Sc. Organic chemistry student: 08

Project Name:

1. Green synthesis of 1, 2, 3 triazole derivatives via click chemistry approach by using substituted Aniline.
2. Synthesis of some heterocyclic derivatives of hydroxyl chalcones.
3. Synthesis of 1, 2, 3- bistriazoles derivatives via click chemistry approach and their antibacterial activity.
4. One pot synthesis of 1, 2, 3- triazoles derivatives via click chemistry approach and their antibacterial activity.

Personal Information:-

1. Permanent address : At-Angar station Post:Ekurakhe
Tal: Mohol Dist: Solapur:413213 (MH)
2. Date of birth : 16 jan.1985
3. Gender : Male
4. Marital status : Married
5. Nationality : Indian
6. Languages : English, Hindi, Marathi
7. Research Experience : **5 years**
8. Academic Experience: **7 years**

9. Research Areas: Synthetic Organic Chemistry, Medicinal Chemistry and Heterocyclic Chemistry and Green synthetic methods.

References:-

1. Prin. Prof. Dr. Chandrakant S. Suryawanshi

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2. Prof. Raghunath B. Bhosale

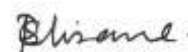
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Declaration:-

I hereby declare that the information furnished above is true to the best of my knowledge.



(Dr. Sachin P. Shirame)