

BIODATA



- 1. Name** : SUNITA DIGAMBAR SHIRKE.
- 2. College** : Vivekanand College, Kolhapur
- 3. Designation** : Associate Professor
Head of Department of Chemistry
- 4. Date of Birth** : 01 June 1968
- 5. Permanent Address** : 529/2, Plot No. 11, Rajlaxmi Park
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7. Educational Qualification :

Sr. No	Degree	University	Year	Class/Grade	Subject
1.	B.Sc.	Shivaji University, Kolhapur	1988	Ist Class with Distinction.	Chemistry
2.	M.Sc.	Shivaji University, Kolhapur	1990	Ist Class	Organic Chemistry
3.	Ph.D.	Shivaji University, Kolhapur	1998	Awarded	Chemistry

8. Experience: 20 Years (UG), 11 Years (PG)

9. Service Details :

Sr.No	Working Centre	Post Held	Period	
			From	Upto
1.	Vivekanand College, Kolhapur	Assistant Professor	23 June 2003	Dec.2016
2.	Vivekanand College, Kolhapur	Associate Professor	Jan.2016	till date

10. Conference/ Workshop/ Seminar/Orientation Course/Refresher course attended :

Sr.No	Name	Date	Title/Name	Venue
1.	International Symposium	23-25 Jan 2003	Drug Discovery and Process Research	Shivaji University, Kolhapur
2.	National Seminar	1-2 Feb 2008	Synthesis of New Materials for Industrial Applications.	Shivaji University, Kolhapur
3.	International Conference	9-11 Dec. 2008	Nanomaterials and Applications	Shivaji University, Kolhapur
4.	National Seminar	23-24 Dec. 2009	Advanced Synthetic Methodologies and Functional Materials	Shivaji University, Kolhapur
5.	National Conference	2-3 Feb. 2010	Life Sciences with special reference to Environmental Biotechnology and Biodiversity	Vivekanad College, Kolhapur
6.	National Conference	21-22 Jan 2011	Advances in Synthetic Methodologies and New Materials symposium	Shivaji University, Kolhapur
7.	Regional Seminar	5 th March 2011.	Green Chemistry,	Rajarshi Chh. Shahu College, Kolhapur
8.	Workshop	24 March 2011	Preparation of Research Project Proposal	Vivekanad College, Kolhapur
9.	Workshop	10 th Aug 2011.	Revised Syllabus of B.Sc. II	Vivekanand College, Kolhapur
10.	National Seminar	21-22 Jan. 2012.	Recent Advances in Synthetic Chemistry and Nanomaterials,	Department of Chemistry, Shivaji University, Kolhapur
11.	National Conference	14-15, Dec. 2012..	Recent Trends in Nanotechnology	Vivekanand College, Kolhapur
12.	Workshop	4 th Oct. 2012	on Problems of Working Women and its remedies,	Rajaram College, Kolhapur
13.	Workshop	30 th Jan. 2013	Mahila Aani Kayada'	Vivekanand College, Kolhapur
14.	Workshop	31 st Jan. 2013	Mahila Aani Manavi Kartavye'	Vivekanand College, Kolhapur
15.	National Conference	23-24 Sept 2013.	On Frontiers in Chemical and Biological Sciences	PDVP Mahavidyalaya, Tasgaon
16.	National Symposium	17-18 Jan 2014	On Current Trends in Chemical and Nanosciences	Shivaji Univ Kolhapur

17.	Workshop	29 Sept 2014	One Day workshop on recent trends in Science and Guidance on SET/NET	Vivekanand College, Kolhapur
18.	Workshop	5th March 2015	Mahilanche Arogya ani Badalati Jivanshailee	Mahaveer Mahavidyalaya
19	Workshop	27 Aug 2015	Revised Syllabus B. Sc, III	ASC College Ramanandnagar (Burla)
20	Seminar	11th Sept 2015	Sexual Harassment of Women Act 2013	Shahaji Law College, Kolhapur
21	National Conference	12-13 Feb 2016	On Revolutionary Role of Renewable Energy for Make in India	Vivekanand College, Kolhapur
22	Workshop	1st Dec 2017	How to face the UGC verification Committee for Autonomy	Vivekanand College, Kolhapur
23	Workshop	27 Feb 2017	Sexual Harassment of Women at Workplace	Vivekanand College, Kolhapur
24	Workshop	24 June 2018	On understanding Choice Based Credit System	Vivekanand College, Kolhapur
25	Workshop	1st Aug 2018	Mahilavaril Atyachar va mahilasarakshan vishayak janeev jagruti	Kamala College, Kolhapur
26	Workshop	12 Nov 2018	Mahavidyalaeen Yuvatinche Arogyavishayak Prashna	Mahaveer Mahavidyala, Kolhapur
27	Workshop	12 Dec. 2018	Madhayme va striya	Shivaji University, Kolhapur
28	Workshop	22 Jan 2019	Sexual Harassment Prohibition Act	Shivaji University, Kolhapur
29	Workshop	19 Feb 2019	Intellectual Property Rights and drafting Patents	Vivekanand College, Kolhapur
30	National Conference	15th March 2019	Development of Quality Culture in HEIs	Vivekanand College, Kolhapur
31	Online Quizes	During Covid period, 2019-20	Corona virus Awareness Programms	Different Colleges in Maharashtra
32	International E-Conference on ...	15-17 May 2020	on Strategies and Challenges in Higher Education during Covid-19 period	Gov. Vidarbha Institute of Science and Humanities , Amravati.
33	National Webinar	15 – July, 2020	On Covid 19 NAAC related Quality Initiatives	PDVP College, Tasgaon
34	Moodle Test for Teachers Training by Spoken Tutorial Project, IIT Bombay.	5 May 2020	Teacher's Test Training Program	Spoken Tutorial Project, IIT Bombay, organized in Vivekanand College , Kolhapur

35	A National Webinar	25- July	On Think Creative , Write Creative	Vivekanand College, Kolhapur
36	National Level Webinars	June 2020	Corona and International Politics	Balasaheb Desai College Patan
37	One Week Faculty Development Program.	27-31-July 2020	E-Content Development	HRD- Sanatan Dharma College, Ambala Cantt.
38	International Online Chemistry Aptitude Test	9-11 May 2020	Chemistry Aptitude Test	Pillai HOC college of Arts, Commerce and Science College, Rasayni-Mumbai
39	RUSA Sponsored National Seminar	26- Dec.2020	Understanding National Education Policy – 2020	Vivekanand College , Kolhapur
Seminars, Workshops Organized	1. National Science Day and Rajbhasha Din –Celebration by Science Association with Pudhari “Prayog Social Foundation	Convenor, Science Association 28 Feb..2021	Guest Lecture on “Science and Marathi Literature”- Dr. V. N. Shinde, Registrar, SUK	Hall No. 14 Vivekanand College , Kolhapur
	2. A national level Webinar Organization	13 March 2021	Guest lecture on ‘ Life style changes for Nature Conservation	Online guest Lecture
	3. New Responsibility as HOD	1 June 2021		Department of Chemistry, VCK
	4. Online Guest lecture	30 June 2021	Guest Lecture on NET-SET Exam.Guidance By Dr. G. S. Rashinkar	Online Guest lecture
	5. International Mole Day celebration -Guest Lecture	18 July 2021	Guest Lecture on - New ideas in Chemistry – Ex. Prin. Dr..R.R. Kumbhar (Jaysingpur college)	Hall No.14
	6. Online Guest lecture	26 Nov.2021	Constitution for Students-Ad. Pravin Deshpande	Online lecture
	7. Celebration of Constitution Day – at Dept.	28 Nov.2021	B.Sc.-III students participated-Oath of India by the Teachers and students. Teachers explained also the importance of constitution Day.	Hall No. 42 VCK

8.	Welcome Function of PG students.	30 November	Guest Lecture on - Opportunities in Chemistry by Dnyaneshwar Shirsat, Vaibhavwadi College.	Library Hall, VCK
9.	Poster Presentation Competition- On the occasion of Ozone Day	22 Dec.2021	B.Sc.-III and M.Sc.-I and II Students presented posters and models on ozone depletion, protection, and the ways to solve the problems.	Passage in front of Department of Chemistry.
10.	Worked as Resource person in Lead College Workshop	16 January 2022	Lecture on --NMR Spectroscopy.	Shahaji Chh. College, Dasara Chowk, Kolhapur
11.	One Day Workshop- Lead College Scheme	17 March 2022	Importance and Opportunities in Biochemical Sciences, Guests-Dr. J. P. Jadhav and Dr. Sontakke SUK	Library Hall , VCK
12.	Poster Presentation Competition	29 Sept. 2022	Students' Activity	Department of Chemistry, VCK
13.	Active Participation in Sneha-Sushila Manch Melava	24 Jan. 2023	i)Vegetable Decoration ii) Receipee without Fire	Dr. Bapuji Salunkhe Smritibhavan, VCK
14.	Science Day Celebration- Poster Presentation Competition	28 Feb.2023	Poster Presentation Competition on different science subjects.	Passage – Department of Chemistry
15.	Water Literacy Week- 16-21 March, - celebration	21 March 2023	Quiz on Water- The students of B.Sc.- III asked the ques. on Water to the students of Arts, Commerce and Science in college campus	Vivekanand College Campus.

16.	Farewell Function of M.Sc.- II students	15 July.2023	Chief Guest - Shri Ganesh Mane- How to face the problems in Life.	Dr. Bapuji Salunkhe Smritibhavan
17.	Teacher's Day Celebration	6 Sept.2023	Students of B.Sc.-II, III and M.Sc-I,II play role as Teachers and conducted the lectures and practicals.	Classrooms and Laboratories at dept. of chemistry.
17.	Welcome function- M.Sc.-I Students	15 Sept. 2023	Chief Guest – Shri Rohit Shinge-	Dr. Bapuji Salunkhe Smritibhavan

11. Refresher Course : 02

Orientation : 01

Faculty Development Programme : 07

Winter School Programme /Refresher : 02

12. Research Guidance : One candidate is working for Ph.D. in Chemistry., and submitted (spiral) thesis. :

1. One research paper is published in YMER- VOL 21: ISSUE 7 (July) 2022, Page No. :708, ISSN : 0044-0477.----- Caffeinium Hydrogen Sulphate Catalysed ,Green Synthesis of 2,3-Dihydroquinazoline-4(1H)-ones and their drug likeness studies as Antimicrobial studies.

2. Research paper published in IJARIE (O)-2395-4396 :Volume- 9,ISSUE-42023: In – silico studies on phytochemical Carpaine in papaya leaves .

3. One research paper is submitted to Journal of Indian Chemical Society.- Synthesis and Molecular Docking of New Difluoropyrido[4,3] indoles as Potential and Anticancer agents and selective EGFR Tyrosine Kinase Inhibitor.

13. Research Projects/Other Projects :

- Completed ONE UGC sponsored Minor Research Project (2009-11)
- One Project completed under UGC sponsored Scientific Research Grant (BSR) (2012-13)
- Health Analysis of Girls Students (UG) of Vivekanand College Kolhapur
- (2018-19)

14. Research Publications : 09

1. Deshmukah M. B., Kharade D. R. and Shirke S. D. (1994) A short Synthesis of 2,3,4-Trhydro-dibenzofurans. *Montash Chem.* 125, 971-976.
2. Deshmukah M. B., Kharade D. R. and Shirke S. D. (1993) A Convenient Synthesis of 6,6-Dimethyl, 6a, 7,8,9-tetrahydro-6H-dibenzo-[b,d] pyrans. *Indian Jr. of Chemistry*, 32 B, 1156-1158.
3. Deshmukah M. B., Kharade D. R. and Shirke S. D. (1993) Synthesis of some new Benzofuro-[2, 3-c] pyrazol-3(1H)-ones. *Jr. Indian Chemical Society*, 70, 605-606.
4. Deshmukah M. B., Deshmukh D. S. and Shirke S. D. (1997) Synthesis of some new 2-Thio-quinazolin-4-one derivatives. *Jr. Indian Chemical Society*, 74, 422-423.
5. Shirke S, D, and Deshmukh M. B. (2016) A Short Synthesis and Antimicrobial Activity of 9-substituted 2-Aroyl-Benzopyranopyridazin-3-ones. *Jr Of Shivaji University (Science and Technology)*, Vo. 42 (1), pp 57-59.
6. Shirke S. D. (2016) A short synthesis of thiocarbamate derivatives *Vivek Research*, Vol 5, No. 2.
7. Mrs. Kshirsagar J.S., Mrs. Shirke S.D. Design, synthesis and molecular docking studies of novel triazolo [4,3 –a]pyrazine derivatives as antitubercular agents *Journal- Computational Toxicology*, Manuscript No. : COMTOX-D-22-00061
8. J. S. Kshirsagar, S.D. Shirke: Caffeinium Hydrogen Sulphate Catalysed ,Green Synthesis of 2,3-Dihydroquinazoline-4(1H)-ones and their drug likeness studies as Antimicrobial studies.- *YMER- VOL 21: ISSUE- 7 (July) 2022*, Page No. : 708, ISSN : 0044-0047.
9. Dr. Heena V. Sanghani, Dr. Sunita D. Shirke , Miss Pratiksha U. Kurne : In –silico studies on phytochemical Carpaine in papaya leaves – *International Journal of Advance research and innovative ideas in education: Volume 9, Issue- 4, 2023.*

15. Positions held :

- Member, Departmental Research Committee in Chemistry, Shivaji University, Kolhapur. (2014-2015)
- Member, Ladies Hostel Committee, Vivekanand College, Kolhapur.
- Member, Sexual Harassment Prevention Committee, Vivekanand College, Kolhapur.
- University subject expert on selection committee for the appointment of senior college lecturer (UG).
- Worked as Examiner/ Moderator for B.Sc. I/II/III theory examination for Chemistry and Biotechnology University examinations.
- Worked as a member, organizing committee for workshop “Revised syllabus of B.Sc. II Chemistry –Paper V” 10th August 2011.
- Recognized guide for M.Phil. / Ph.D. in Chemistry, Shivaji University, Kolhapur
- Chairman, Shikshak Apalya Dari Abhiyan, 2020 -21, 2021-22, 2022-23
- Presiding Officer, Internal Complaints Committee 2018-19, 2019-20, 2020-21,
- Chairman - Women Empowerment Cell - 2018-19. 2019-20, 2020-21
- Convenor – Science Association.: 2020-21
- Convenor – B.C. Standing Cell: 2020-21, 2021-22
- A member of B.O.S.in Chemistry – Mahavir College, Kolhapur. 2020-21, 2021-22, 2022-23

- A member of Grievance Redressal Committee.: 2020-21, 2021-22, 2022-23
- A member of Ladies Hostel Committee. : Since 2010 - 2023
- A member of Purchase Committee.:2020-21, 2021-22 and 2022-23
- A member of College Development Cell (CDC) : 2021-22, 2022-23

16. Use of ICT:

1. During Covid period (2019-20) and (2020-21) Theory lectures are conducted through online mode,(Zoom platform and Google meet) study material and related videos are uploaded on Google classroom.
2. The Practicals of B.Sc .I, II, III and M.Sc .I, II classes were also conducted Online. Related videos are uploaded on Google classroom.
3. The Examinations of UG and PG classes are conducted in Online mode. In covid period.
4. The notes ,videos ppts on chapters taught are sent to google classrooms after completion of units in classrooms (offline teaching).

(Dr. Mrs. Sunita D. Shirke)
HOD
Department of Chemistry