

**Shri Pundlik Maharaj Mahavidyalaya Nandura, Dist  
Buldana**

**Faculty Profile**

1. Name : **Dr. Smita D. Tarale**
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Shri Sant Gajanan Maharaj College of Engineering  
Shegaon. Dist: Buldana
3. Phone no. / Cell no. : +91-7020407574
4. E-mail address : smita.tarale@gmail.com
5. Designation : Assistant Professor, Head & IQAC Co-ordinator
6. Date of Appointment : 21/09/2019
7. Department : Chemistry
8. Date of birth : 30<sup>th</sup> June 1981
9. Caste : OPEN (MARATHA)
10. Area of Specialization: Organic chemistry.
11. Academic Qualification: M.Sc., B. Ed, Ph.D.



<b>Examination Passed</b>	<b>Board/University</b>	<b>Subject Specialization</b>	<b>Year of Passing</b>	<b>Division/Grade/Merit/Rank</b>
Bachelor's Degree	Amravati University Amravati	Chemistry, Botany, Zoology	June 2002	A++
Masters degree	Amravati University Amravati	Organic Chemistry	June 2006	A
B.Ed.	Amravati University	Science	Mar 2008	A
PhD	Amravati University Amravati	Organic Chemistry	2016	-

**Title of Ph.D Thesis :**

Microwave Assisted Greener and Convenient Synthesis of Novel 2- Azetidinone Derivatives  
and Study of Their Antimicrobial Activities.

**12. Research Experience : 5 years**

**a. Outstanding Achievement:**

- Book Published

“2-Azetidinone And Its Applicability As A Versatile Drug”

**Book Details**

ISBN 978-3-330-06335

EAN 9783330063358

Published On 29-03-2017  
Published At LAP Lambert Academic Publishing, GERMANY  
Category CHEMISTRY

- Visited to Nanyang University Singapore in 2016
- Visited to Kebangsaan University Malaysia in 2018

#### **b. Publishing Research Papers**

- “Synthesis of New Schiff Bases and Evaluation of Antibacterial Activity- An Environmentally benign Organic Solvent Free Approach.” Journal of International Academy of Physical Sciences. **Vol. 15(2011) Special Issue 2,497-500**
- “Synthesis and Biological Evaluation of Azetidinone Derivatives from 2 –  $\alpha$ (phenylacetyl) Benzohydrazide Moiety by Microwave Method” **Der Pharma Chemica, 2014, 6(2):70-74**
- “Synthesis, Characterization Of Some 2-Azetidinone Derivatives From 4- Nitro Ethyl Benzoate By Microwave Method And Evaluation Of Their Antimicrobial Activity” **IJPSR, 2014; Vol. 5(7): 1-8**
- “Microwave Assisted Greener Synthesis Of 2-Azetidinone Derivatives Of 4-Chloro Ethyl Benzoate And Its Microbiological Study” **Asian J. Research Chem. 7(5): May 2014 Page 483-486**
- “Synthesis And Characterization Of 3-Chloro-4-(Substituted Phenyl)-N-(4- Nitro Benzamido)-2-Azetidinone Derivatives And Its Antimicrobial Application” **NCITSE'16 Volume: 4 (7) 289 – 292**
- “Synthesis And Characterization Of 3-Chloro-4-(Substituted Phenyl)- N-(4- Methoxy Benzamido)- 2-Azetidinone.” **IJORSE Volume 1 Issue 1 , May 2017,1-4.**
- “Microwave Efficient Synthesis of 3-chloro-4-(substituted phenyl)-N-(4- methoxybenzamido)-2-azetidinone and its applicabilty as a versatile **Drug**” **IJRITCC Volume 5, Issue 9, September- 2017, 45 – 48.**

#### **c. List Of Paper Presented**

- Participated in Seminar Competition held at “Government Vidharbha Institute os Science and Humanities, Amravati” in year 2003 secured First Rank,
- Participated in Seminar Competition held at “Jijamata Vidhyalaya, Buldhana” in year 2002 and secured Second Rank.
- Paper presented on “ Estimation of Nitrates in Drinking Water Samples of Shegaon region and Study of It’s Associated Effects” in the National conference at “ North Maharashtra University, Jalgaon.
- “Microwave assisted greener synthesis of 2-azetidinone derivatives of 4-chloro ethyl benzoate and its microbiological study” National Seminar on Emerging Trends in Chemical Sciences, Berhampur, Odisha. 12 – 13 April 2014 Abstract No.09
- “Synthesis of Azetidinone derivatives from 2 – $\alpha$ (phenylacetyl) benzohydrazide moiety by microwave method and screening for Anti-bacterial and Anti-fungal Activities” 6th International

Congress of Environmental Research, Aurangabad 19 – 21 December 2013 Abstract No. 303

- “Synthesis and characterization of 3-chloro-4-(substituted phenyl)-N-(4- nitro benzamido)-2-azetidinone derivatives and its antimicrobial application” 1st National Conference on Innovative Trends in Science and Engineering July 2016.
- “Synthesis And Characterization Of 3-Chloro-4-(Substituted Phenyl)- N-(4-Methoxy Benzamido)-2-Azetidinone” Recent Advances In Chemical Sciences, Technology & Environment (RACSTE-2017) Department of Applied Sciences,University Institute of Chemical Technology, North Maharashtra University, Jalgaon. January 3031,2017.
- “Microwave Efficient Synthesis of 3-chloro-4-(substituted phenyl)-N-(4methoxybenzamido)-2-azetidinone and its applicability as a versatile Drug” 2nd National Conference on Innovative Trends in Science and Engineering (NC-RISE, 17) 16 th Sept 2017
- “Synthesis and Antimicrobial Activity of 3-chloro-4-(substituted phenyl)-N-(4- chloro benzamido)-2-azetidinone” National Conference on Recent Advances in Chemical Sciences,February 26-27 February , 2018.
- “Review of Rural Transformation through the convergence of Different Government Schemes” National Conference on Science and Technology : Rural Development 2728 Nov 2019.

#### **d. List Of Workshop Attended**

- Faculty Development Program. Shri Sant Gajanan Maharaj College of Engineering,Shegaon.(MS). 10 – 22/12/2012
- ISTE approved One Week Short Term Training Program on “ Research Methodology” Mauli College of Engineering,Shegaon.(MS). 19 – 23/06/2017
- One day workshop on “Syllabus Restructuring of the Programs In Board of Studies (Applied Science and Humanities) SGBAU Amravati” 20/07/2017
- Two days workshop on Strategies for Marching Towards Excellence at Mauli College of Engineering Shegaon on 12-13/12/2018
- One day workshop on NAAC (New Framework),Quality Assurance and Developing Quality Culture in the HEIs at Degree College Of Physical Education,Amravati 26/11/2019
- One day National Workshop on Filling and submitting Online AQAR at Shri Vyankatesh Arts, Commerce and Science College , Deulgaon Raja on 27/12/2019

#### **13. Teaching Experience**

##### **Eleven years of experience as a Assistant Professor**

- Four years at Shri Dhyneshwar Muskuji Burungale Arts and Science College (Shegaon).
- Seven years at Mauli College of Engineering and Technology, Shegaon
- Approved as Assistant Professor and Head in department of Chemistry at Pundlik Maharaj Mahavidyalaya,Nandura from 21st Sep 2019

#### **14 Key Responsibilities Handled**

- Worked as a Chief Editor for college annual magazine for consecutive three years.
- Worked as a Head of the Department in Applied Science at Mauli College of Engineering, Shegaon
- Worked as NAAC Departmental Co-ordinator.
- Worked as Member of IQAC.
- Worked as Chairperson of Sexual Harrashment Committee.
- Working as a member of College Development Committee at Mauli College of Engineering and Technology, Shegaon
- Working at IQAC coordinator at Shri Pundlik Maharaj Mahavidyalaya