

## RESUME

Name of the Teacher :Dr. Nagesh Laxman Bhandari  
Temporary/Permanent/Guest Faculty :Permanent  
Name of The Department :Chemistry  
Faculty :Teaching  
Courses taught : √ UG √ PG



Sr. no.	Name of the class	Name of the subject
1	FYBSC	i. CHEMISTRY PAPER-2 ii. CHEMISTRY PRACTICAL PAPER-1
2	SYBSC	i. CHEMISTRY PAPER-I
3	TYBSC	i. Organic Chemistry-I ii. Physical Chemistry-I iii. Organic Chemistry-II iv. Organic Chemistry-III v. Chemistry of Biomolecules vi. Physical Chemistry-II
4	M.Sc. PART II	i. CH-352 Stereochemistry ii. CH-452 Medicinal Chemistry

1. Address for Correspondence: Anantrao Pawar College, Pirangut, Taluka-Mulshi, District-Pune
2. Phone No.: 020 6524 7007
3. Email ID: nageshmyadam07@gmail.com
4. Date of Birth: 04/08/1981
5. Your profile qualification, designation, area of specialization, experience and research under guidance:

Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided in the last 4 years
M.Sc, M.Phil, Ph.D.	Assistant Professor	Organic Chemistry	16	-

6. Academic Qualifications:

Exam Passed	Board/University	Subjects	Year	Division/ Grade Merit etc.
Bachelor's Degree(s)	Shivaji University, Kolhapur	Chemistry	2003-04	I
Master's Degree(s)	Shivaji University, Kolhapur	Organic Chemistry	2005-06	I
Research Degree – M.Phil	Maduari Kamraj University, Madurai	Chemistry	2009	I

<b>Research Degree – Ph.D.</b>	Savitribai Phule Pune University, Pune	Chemistry	2022	-
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7. Ongoing projects: Nil

8. Publications: 07

(a) Number of papers published in peer reviewed journals (national/international) with ISSN

Sr. No.	Title with page Nos.	Journal	ISSN/ ISBN No.	Whether peer reviewed impact factor if any
1	Structural Analysis and Dielectric Properties of (x) BaTiO <sub>3</sub> + (1-x) Ni <sub>0.94</sub> Co <sub>0.01</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> O <sub>4</sub> Magnetolectric Composites	JETIR	2349-5162	5.87
2	An Effective Synthesis of some Pyrimidinone derivatives by using CCl <sub>3</sub> COOH as Catalyst under solvent free conditions	JETIR	2349-5162	5.87
3.	A facile approach of developing Al/SnO <sub>2</sub> xerogels via epoxide assisted gelation: A highly versatile route for formaldehyde gas sensors	Inorganic Chemistry Communications	1387-7003	1.79
4.	Cu/SnO <sub>2</sub> xerogels: a novel epoxide derived nanomaterial as formaldehyde gas sensor	Journal of Sol-Gel Science and Technology	0928-0707	2.326
5.	Ni/SnO <sub>2</sub> xerogels via epoxide chemistry: potential candidate for H <sub>2</sub> S gas sensing	Journal of Porous Materials	1573-4854	1.108
6.	Pd loaded bismuth ferrite: A versatile perovskite for dual applications as acetone gas sensor and photocatalytic dye degradation of malachite green	Ceramics International	0272-8842	4.527
7.	Gas sensors and factors influencing sensing mechanism with a special focus on MOS sensors	Journal of Materials Science	1573-4803	4.682

9. National/International conferences/workshops attended/Presented

Sr. No	Date	Conf. /seminar /workshop	International National/ University	Attained/ Poster - Presented	Topic/title	Place
1	18 to 19 Dec 2009	conference	National	Attained	-	Annasaheb Magar College, hadapsar, Pune.
2	22 Dec 2011	Seminar	University	Attained	-	University of Pune, Pune

3	21 to 24 Jan 2012	Conference	International	Poster - Presented	Synthesis of D- <i>gulo</i> - and L- <i>manno</i> -homonojirimycin from D-glucose	Solapur University, Solapur
4	28 Jan 2012	Seminar	University	Attained	Nano: Preparation, Characterization and application	Annasahebma gar College, hadapsar, Pune.
5	18 to 19 Dec 2013	Conference	National	Poster-presented	One pot microwave assisted synthesis of beta cyclodextrin derivative	C.B.Khedgi's Basaveshwar Science college, Akkalkot.
6	10 to 12 Jan 2014	Conference	International	Poster-presented	One pot microwave assisted synthesis and characterization of beta cyclodextrin derivative	YashwantRao Chavan Institute of Science, Satara
7	30 to 31 Aug 2013	Conference	State	Attained	-	B.J. Jadhav College Alephata, Pune
10	11- 13 March 2016	Conference	International	Attended	-	BGC, Sangavi
11	22-23 Jan. 2016	Seminar	National	Attended	-	AWC, Otur
12	11-12 Jan. 2019	Conference	National	Attended	-	APC, Pirangut
13	25 July 2019	Workshop	University	Participated	CBCS	C.T. Bora College, Shirur.
14	29 Feb. 2020	Workshop	University	Participated	S.Y.B.Sc. Syllabus framing	AWC, Otur
15	22 Mar 2021	Conference	National	Poster-presented	Tin Oxide Nano composites as High-Performance Gas Sensors: an Insight to Doping Materials	P.A.H. Solapur University, Solapur
16	26 Mar 2022	Conference	National	Poster-presented	High-Performance Formaldehyde Gas Sensors: an Insight to SnO <sub>2</sub> Doping Materials	S. M. Joshi College, Hadapsar, Pune-28

10. Awards/recognitions received at the national and international level. : Nil

11. Seminars/Conferences/Workshops organized and the source of funding:
- NEESHIP-2016, BCUD, S P Pune university, Pune.
  - RIACPLS-2019, BCUD, S P Pune university, Pune.
- iii. Ten days NET/SET workshop in Chemistry, Student welfare. S P Pune university, Pune.
12. Contributions in generating new knowledge, basic or applied.
- During my M.Phil.research work, I have briefly carried out literature review on liquid crystal topic and carried out lab work. I have submitted my M.Phil. Dissertation in 2009 which is helpful for the field of liquid crystal.
  - During my Ph.D. Research work, I have briefly carried out literature review on Nanomaterial and Gas Sensors topic and carried out lab work. I suppose to submit thesis as soon as possible. From my thesis work I have published three Research Papers in International Journal. This will definitely help for researcher and students.
13. Innovative/Contributions in Teaching
- Design of Curriculum – Participated in workshop of S.Y.B.Sc. syllabus framing at Annasaheb Waghire College, Otur in 2020
  - Participated in workshop of CBCS at C.T. Bora College, Shirur.
  - Teaching methods: Seminar, Group Discussion, PPT, ICT, Home assignment, Open book test, Demo, Charts, Models
  - Laboratory experiments: Group Discussion, Demo, Field Visits
  - Evaluation methods: Examination by Theory, Oral, Attendance, Home assignment
  - Preparation of resource material including books, reading materials, Laboratory manuals, etc.: Books, Laboratory Manual, Research Paper in Journals
  - Remedial teaching/students counseling (academic): FYBSC, SYBSc, TYBSC
14. Recharging strategies (UGC-Academic Staff College, Refresher/orientation programs, workshops, training programs and similar programs):
- As Participant:

Sr. No	Name of the Course/ Summer School	Subject	Place	Period	Total Day's
1	102 Orientation Course	General	ASC- BAMU, Aurangabad	01/02/2014 to 01/03/ 2014	21
2	Refresher Course	Chemistry	Hyderabad University, Hyderabad	21/08/2014 to 10/09/2014	21
3	Refresher Course	Chemistry	Modern College, Ganeshkhind, Pune	27/11/2017 to 11/12/ 2017	15

4	Refresher Course	Chemistry	Modern College, Shivajinagar, Pune	04/10/2018 to 24/10/2018	21
5	Faculty Development Programme	Chemistry	Savitribai Phule Pune University, Pune	20/06/2019 to 29/06/2019	10
6	Faculty Development Programme	Chemistry	Savitribai Phule Pune University, Pune	10/06/2020 to 21/06/2020	12
7	Faculty Development Programme	Chemistry	Savitribai Phule Pune University, Pune	27/07/2020 to 31/07/2020	5
8	Faculty Development Programme	Chemistry	Savitribai Phule Pune University, Pune	28/07/2021 to 04/08/2021	8
9	Faculty Development Programme	Chemistry	Savitribai Phule Pune University, Pune	13/09/2022 to 17/09/2022	5

15. Student projects –

- (a) Percentage of students who have done in-house projects including inter-departmental projects: 03
- (b) Percentage of students doing projects in collaboration with other universities/ industry/institute : Nil

16. Name some students of your Department who have cleared International/National and state level competitive examinations such as Civil Services, Defense Services, JRF, NET, SET, GATE, IELTS, TOEFL, etc. or something like this.

- Bhale Mangesh
- Gonadake Sandip

17. Introduction of higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies:

- i. B.Voc. in Multimedia and animation
- ii. B.Voc. in Journalism and Mass communication

18. Participation in academic Life:

- (a) College/University/Institution Member

Sr. No	Committee	Chairman/Member/Coordinator
1	UGC	Chairman
2	DBT Star College	Coordinator
3	Steering Committee	Member
4	IQAC	Member
5	Purchase and Maintenance Committee	Member
6	NAAC Criterion VI	Member
7	Prospectus	Member
8	Research Committee	Member

(b) Co-curricular Activities

Sr. No	Committee	Chairman/Member/Coordinator
1	Science Club	Coordinator
2	Soft Skill	Member
3	Prospectus	Member
4	Short Term Autonomous Courses Committee	Member

19. List teaching methods/pedagogy used for different programmes

- i. Classroom teaching
- ii. Field Visit
- iii. Laboratory teaching
- iv. Problem solving methods
- v. Group Discussion
- vi. Seminars
- vii. Research Projects
- viii. Brain Storming methods
- ix. Problem solving Methods
- x. E-learning tools

20. Extension Work/Community Services

(a) a short account of your contribution to:

- (i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, Manual for Self-study for Health Science Institutions scientific temper, flood or drought relief, small family norms etc.

1. I attend and celebrate every year 15<sup>th</sup> August and 26<sup>th</sup> January.
2. I contribute something to Poor needy people via Baburaoji Gholap Sahayata

Nidhi

(ii) National Literacy Mission

(b) Positions held/Leadership role played in organizations linked with Extension Work and National Service Scheme (NSS), or NCC or any other similar activity :  
Nil

**Dr. Nagesh Laxman Bhandari**

**Place: Pirangut, Pune**