

**Jivan Vikas Shikshan Sanstha, Risod's**  
**LATE PUSHPADEVI PATIL ARTS & SCIENCE**  
**COLLEGE, RISOD, DIST. WASHIM (MS)**



**RESUME**

- 1. Name of the Teacher** : Adinath Devidas Badar
- 2. Date of Birth** : 07/12/1988
- 3. Religion** : Hindu ( Kunmbi)
- 4. Blood group** : 'AB' +ve
- 5. Residential Address** : Mr. A.D. Badar  
At.Post. Mahagaon Tq. Risod Dist. Washim  
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E-mail: badaradinath@gmail.com
- 6. Official Address** : Late Pushpadevi Patil Arts & Science College, Risod  
Tq. Risod, Dist. Washim. 444 506 (M.S.)  
Phone No. (07251) 223449
- 7. Educational Qualifications** : M.Sc., NET (JRF)., GATE., Ph.D.
- 8. Date of Appointment** : 02/12/2019
- 9. Status of appointment** : Permanent
- 10. Designation** : Assistant Professor
- 11. Supervisor for Ph. D.** : NIL
- 12. Teaching Experience** : 06 years (CHB), 03 years (Full Time) for B.Sc. Classes
- 13. Orientation Course** : Completed a 4-week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of higher education" from 4 June- 1 July 2020 with A<sup>+</sup> grade, conducted by Teaching-learning center, Ramanujan College, University of Delhi under the aegis of MHRD.
- 14. Refresher Courses Completed** : Successfully completed the ARPIT course for Career Advancement Scheme (CAS) promotion Online Refresher Course in Chemistry for Higher Education From 1st Dec 2020 to 31st March 2021 with a Grade "C" in the proctored examination held on 21/08/2021
- 15. Research Experience** : Completed Ph.D. from Dr BAMU Aurangabad
- 16. Research Project** : 1. Iodine catalyzed synthesis of substituted quinolines."  
(M.Sc Project)  
2. Supported Silver Nanoparticles": Synthesis,

- 17. Thrust Area of Research** : 1. SYNTHESIS OF SOME BIOLOGICAL ACTIVE NITROGEN, OXYGEN, and SULPHUR CONTAINING HETEROCYCLIC COMPOUNDS.  
2. PLANT MEDIATED SYNTHESIS OF SILVER NANOPARTICLES
- 18. Books Published/Reviewed** : NIL
- 19. Research Publications** :
1. A facile & efficient synthesis of 5-arylidene 2,4-thiazolidinedione catalyzed by ionic liquid Shelke, K. F.; Idhole, S. S.; **Badar, A. D.**; Devhade, J. B. *Der Pharmacia Letter* 2016, 8(5), 72-75. ISSN: 0975-5071, 0.53.
  2. Ultrasound assisted an efficient synthesis of Azalactone derivatives catalysed by ionic liquid, K. F. Shelke; **Badar, A. D.**; Devhade, J. B. *Chem & Bio. Interface* 2016, 6(3), 157-161. ISSN: 2249 –4820 (Online).
  3. Three Component One-pot Synthesis of  $\alpha$ -Aminophosphonates under mild conditions, Shelke, K. F.; **Badar, A. D.**; Devhade, J. B. [National Conference in Souvenir, (NDCSCS-2016)”, organized by Department of Chemistry, Dnyanopasak College, Parbhani, Dist. Parbhani (December 9-10<sup>th</sup>, 2016)]. ISBN= 978-93-83871-87-2.
  4. Glyoxylic acid an Efficient Catalyst for the Synthesis of Benzimidazole under Microwave irradiation **Badar, A. D.**; Shelke, K. F.; Devhade, J. B. Haval, K. P. *J. Med. Chem. And Drug Disc.* 2017, Vol.3, Special Issue 2, 233-239 (JMCDD). [Conference Proceeding, Maulana Azad College, Aurangabad]. ISSN: 2347-9027.
  5. Density and Viscosity Studies of Glucose Solution in Water and Aqueous Electrolytes at 298.15, 303.15, 308.15 and 313.15 K. Devhade, J. B.; **Badar, A. D.**; Shelke, K. F. *Aayushi International Interdisciplinary Research Journal (AIIRJ)* 2018, Special Issue No. 25, 215-217. ISSN 2349-638x IF 4.574.
  6. Oxalic Acid: An inexpensive and efficient catalyst for Knoevenagel condensation in water Shelke, K. F.; **Badar, A. D.**; A. M. Bhosale; Devhade, J. B. *J. Med. Chem. And Drug Disc.* 2017, Vol. 3, Special Issue 3, 115-122. (CRWR-2017), organized by Department of Chemistry, Maulana Azad College of Arts, Science & Commerce, Aurangabad (January 30-31<sup>th</sup>, 2017).
  7. An Efficient Synthesis of 5-Arylidene-2,4-Thiazolidinedione Catalyzed by Boric acid in Aqueous media under Ultrasound-Irradiation Shelke, K. F.; **Badar, A. D.**; Devhade, J. B. *Chem & Bio. Interface* 2017, 6(6), 410-415. ISSN: 2249 –4820 (Online).
  8. Ionic Liquid Catalyzed by Synthesis of 1,1-Diacetate under Solvent-Free Conditions. K. F. Shelke, **A. D. Badar**, A. M. Bhosale, J. B. Devhade Conference Proceeding (RAS-

- 2017), organized by Late Pushpadevi Patil Arts and Science College, Risod, Dist. Washim (March 9<sup>th</sup>, 2017). ISSN: 2319-359X, IF = 3.522.
9. 4-Dodecylbenzenesulfonic acid (DBSA): An inexpensive and efficient catalyst for Knoevenagel condensation in water K. F. Shelke, **A. D. Badar**, J. B. Devhade *Int. J. Scientific Res in Sci. & Technology*, 2018, 4(1), 146-149.
  10. Microwave assisted Expeditious Synthesis of Azlactone Derivatives K. F. Shelke, **A. D. Badar**, S. S. Idhole, J. B. Devhade, *Inter. J. Universal Sci. & Technology*, 2018 3(6), 289-292.
  11. Ultrasound Assisted an Expeditious Synthesis of 1,5-Benzodiazepine Catalyzed by Cellulose Sulphuric Acid Derivatives K. F. Shelke, **A. D. Badar**, J. B. Devhade, *Chem & Biology Interface*, 2018, 8(1), 22-25.
  12. Cadmium chloride an effective catalyst for Knoevenagel Reaction in water K. F. Shelke, **A. D. Badar** and J. B. Devhade, *Review of Research*, 1( 3), 2019, 54-57. ISSN: 2249-894X.
  13. Synthesis of new Tetrazolyl-N-Substituted Maleimide and Phthalimide Derivatives and their Antimicrobial Evaluation R. S. Kulkarni, B. P. Sathe, P. S. Phatak, **A.D. Badar**, K. F. Shelke, J. B. Devhade, P. P. Dixit, K.P. Haval, Conference Proceeding (**NCCT-2019**), organized by Department of chemistry, Sant Gadge Baba Amravati University, Amravati (December 5-7<sup>th</sup>, 2019).
  14. Synthesis of isoniazid-1,2,3-triazole conjugates: Antitubercular, antimicrobialevaluation and molecular docking study., **A. D. Badar**, S. M. Sulakhe, M. B. Muluk, N. N. M. A. Rehman, P. P. Dixit, P. B. Choudhari, E. M. Rekha, D. Sriram, **K. P. Haval\***, *J. Heterocycl. Chem.* **2020**, doi: 10.1002 /jhet.4072.
  15. Green Synthesis of 5-Arylidene-2,4-Thiazolidinedione derivatives Catalyzed by Titanium Dioxide under Microwave Irradiation., **A. D. Badar**, K. F. Shelke, P. S. Phatak, **K. P. Haval\***, *J. Applicable Chem.*, **2020**, 9(4), 531-538.
  16. Synthesis, Antimicrobial Evaluation and Docking Study of Novel Thiosemicarbazone clubbed with 1,2,3-Triazoles., **A. D. Badar**, S. M. Sulakhe, M. B. Muluk, N. N. M. A. Rehman, P. P. Dixit, P. B. Choudhari, G. M. Bondle, **K. P. Haval\***, *Current Bioactive Compounds*, **2020, In Press**
  17. Synthesis, antimicrobial evaluation and molecular docking study of new thiazole-5-phenylpropenone derivatives., P. S. Patil, S. L. Kasare, **A. D. Badar**, R. S. Kulkarni, P. P. Dixit, J. A. Kulkarni, P. B. Choudhari, **K. P. Haval\***, *Rusian J Gen Chem.*,**2020, In Press**.
  18. Synthesis, antitubercular evaluation and molecular docking studies of new ethionamide embedded 1,2,3-triazoles., S. L. Kasare, B. P. Sathe, P. S. Patil, **A. D. Badar**, V. M. Khedkar, V. S. Krishna, D. Sriram, **K. P. Haval\***, *Monatshefte für Chemie –Chemical.*, **Monthly 2020, Under Review**.
  19. Analysis of Ground Water Quality Parameters in Risod Tahsil, *IJCRT*, P. S. Phatak,

K. F. Shelke, A. R. Jadhao, J. B. Devhade, K. P. Haval **A. D. Badar**, 2022 10(2) 151-158 ISSN: 2320-2882

20. Concise and Efficient Total Synthesis of Bioactive Natural Product Pegamine, *IJCRT*, Kiran F. Shelke, Pramod S. Phatak, **Adinath D. Badar**, Jankiram B. Devhade, Amardeep R. Jadhao 2022 10(2) 145-150 ISSN: 2320-2882
21. Boric acid an effective catalyst for Knoevenagel condensation, *IJCRT*, A. R. Jadhao, P. S. Phatak, J. V. Gholave, J. B. Devhade, **A. D. Badar**, K. F. Shelke 2022 10(2) 115-119 ISSN: 2320-2882

## **20. Conferences, Seminars, Workshop, Symposia Attended**

1. Attended a “National Conference on” Sustainable Chemistry:Challenges and Opportunities” held at Dr.B.A.M.U, subcampus ,Osmanabad. In Jan- 2012.
2. Attended Science Academies Lecture Workshop on” Exploring Recent Horizons In Chemical Sciences” ,organised by Dept.of chemistry, Dr.B.A.M.U.subcampus ,Osmanabad.-Jan.2011.
3. Attended National Workshop On Nanotechnology and Intellectual Property Rights and Patents in Science and Technology from Nanotechnology Perspectives.”. organised by Dept. of Nanotechnology, Dr.B.A.M.U. Aurangabad. Feb-2012.
4. Attended Lecture Workshop on “Chemistry and Life.” organised by Dept.of chemistry, Yeshwant Mahavidyalaya Nanded.Dec-2011
5. Attended Lecture Workshop on “Instrumental Techniques in Chemical Sciences.” Held at Dept.of chemistry, Dr.B.A.M.U. subcampus , Osmanabad.-Feb-2012.
6. Attended a Seminar on,” Nanotechnology for healthy Environment.” organised by Dept. of Microbiology, Dr.B.A.M.U. subcampus , Osmanabad.-Jan.2011
7. Attended a “National Conference on, “Water management for Sustainable Development.” Dept.of Water and Land management, Dr.B.A.M.U.s ubcampus ,Osmanabad.-Jan.2012.
8. Attended a “National Conference on,” CTCNS.” Dept. of Chemistry Shivaji University, Kholapur-Jan-2014
- 9 Attended **National seminar** on “**Recent Advancement in Sciences and Technology (RAST-2017)**”, organized by Department of Chemistry, Maulana Azad College of Arts, Science & Commerce, Aurangabad (January 8<sup>th</sup>, 2017).
- 10 Attended **National Conference** on “**Recent Advances in Sciences (RAS-2017)**”, organized by Late Pushpadevi Patil Arts and Science College, Risod, Dist. Washim (March 9<sup>th</sup>, 2017).
- 11 Attended the **National conference** on “**New Dimensions in Chemistry & Chemistry Education and National Convention of Chemistry Teachers (NCCT-2019)**”,

organized by Department of chemistry, Sant Gadge Baba Amravati University, Amravati (December 5-7<sup>th</sup>, 2019).

- 12 Attended one day **Regional seminar** on “**Research Methodology in Current Context (AUCTA)**”, organized by Department of Chemistry, Innani College, Karanja (Lad) (Dec.8<sup>th</sup> ,2019).
- 13 Attended **International E-Conference** organized by Government of Maharashtra Government Vidarbha Institute of Science & Humanities Amravati, Maharashtra - 444 604 India on 15th - 17th May, 2020
- 14 Completed '**R' Training FDA** Programme organized by MGM'S Dr. G. Y. Patharikar College in January 2020 semester in collaboration with spoken Tutorial IIT Bombay.
- 15 Completed **online FDP on MOODLE** organized by School of Computer Science and Engineering VIT Under PMMMNMTT during 13<sup>th</sup> to 15<sup>th</sup> May 2020
- 16 Completed **Online FDP on "jmole" Application** organized by Shikshan prasarakh Mandal Bajaj Science College in collaboration with spoken tutorial IIT, Bombay 8 May, 2020 to 14 May, 2020.
- 17 Completed **One Week National Online Faculty Development Program** on ICT Tools for Effective Teaching Learning, from 11th to 16th May 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
- 18 Completed **Online FDP on "MOODLE"** organized by School of Computer Science VIT Chennai in collaboration with IIT Bombay (13 May, 2020 to 15 May, 2020).
- 19 Completed **UGC Parmarsh Online Faculty Development Programm** on NAAC Assessment and Accreditation Process Organized by Shri Shivaji Science College Parbhani During 21 - 26 May 2020 with 80 %
- 20 Attended **International E-Conference organized by Government** of Maharashtra Government Vidarbha Institute of Science & Humanities Amravati, Maharashtra - 444 604 India on 15th - 17th May, 2020

**21. No. of Research papers Presented in National / International Conferences, Seminar, Workshop, Symposia**

1. An efficient one-pot synthesis of polyhydroquinoline derivatives via Hantzsch condensation using Glyoxallic acid catalyst under solvent-free condition. Shelke, K. F.; Borul, S. B.; **Badar, A. D.**, Agarkar, S.V. Department of Chemistry, Sant Gadge Baba Amravati University, Amravati (NCCS) (Jan. 2016).
2. Glyoxalic acid is an efficient catalyst for the synthesis of benzimidazole under microwave irradiation. **Badar, A. D.**, Shelke, K. F.; Department of Chemistry, Dr. BAMU, Subcampus, Osmanabad (Dec. 28-29<sup>th</sup> 2015).

3. An Efficient Synthesis of 14-Aryl-14H-Dibenzo Xanthenes Catalyzed by Ionic Liquid K. F. Shelke, **A. D. Badar**, J. B. Devhade, Shri Shivaji College, Akola (26-27<sup>th</sup> Feb. 2018)
4. Three Component One-pot Synthesis of  $\alpha$ -Aminophosphonates under mild conditions, Shelke, K. F.; **Badar, A. D.**; Devhade, J. B. National Conference in Souvenir, (NDCSCS-2016)", organized by Department of Chemistry, Dnyanopasak College, Parbhani, Dist. Parbhani December 9-10<sup>th</sup>, 2016. ISBN= 978-93-83871-87-2.

**22. Research Collaborations** : 1) Department of Chemistry,  
Dr. BAMU Sub-Campus Osmanabad

**23. Membership of Professional Associations** :

1. Life member in Amravati University Chemistry Teachers Association (AUCTA), Amravati
2. Life member in Nagpur University Teacher Association (NUTA)

**24. Membership of University Authorities of Sant Gadge Baba Amravati University, Amravati** :- **NIL**

**25. University Assignments** : - **NIL**

**26. Working on Selection Committees on University:** - **NIL**

**27. Contribution to University Examinations:** -

1. Worked as External and Internal Examiner in Practical examination.

**28. Organization Assignments:** - Worked as In-charge Principal from 01/03/2022

**29. College Assignments:** -

- Convener/Adviser : Equal opportunity cell
- Convener : AISHE/ MIS Portal Data
- Convener : 2f and 12 b/ Permanent Affiliation Proposal
- Convener : Prospectus & Magazine Committee
- Member : Student Council
- Member : Technical Support for IQAC
- Member : NAAC core Committee
- Member : Academic & Administrative Audit

**30. Honours:** - **NIL**

**31. Expert Consultancy: -**

- Guest Lecture: At Department of Chemistry Dr. BAMU Sub-Campus Osmanabad for M.Sc II<sup>nd</sup> Student entitled Organometallic Chemistry December 2015

**32. Any Other Highlights: - NIL**

Besides above mention Academic Activities also involved in Social Activities of the Societies like Blood Donation, Tree Plantation, and Student Support activities.

Date : 25/05/2022

Place:- Risod

Dr.A.D.Badar  
Assistant Professor  
Department of Chemistry  
Late Pushpadevi Patil Arts and  
Science College, Risod  
Dist. Washim-444 506 (MS)