

Faculty Profile

Personal Details		
Name	Amod Shivaji Patil	 Photo
Designation	Assistant Professor	
Department	Pharmaceutical Chemistry	
Date of Birth	06/10/1987	
Mob. No	9921646411	
Email ID	patilamod.s@gmail.com	Sign 
Aadhar No	201535835552	
Pan No	BIGPP9369G	
Voter Id No	UIL7103757	
Date of Appointment	01/09/2011	
University Approval No & date (Asst.Professor)	NMU/18/477/2012 Date – 17/03/2012	
University Approval No & date (Asso.Professor)	-----	
University Approval No & date (Professor)	-----	
PG Teacher Approval No & Date	NMU/11/PGR/1727/2018	
Ph.D Guide Approval Letter & Date	-----	
Bank Account No	Bank Name : Shirpur People Co Op Bank A/c. No: 001100480888	
	Branch : Shirpur IFSC Code : KKBK0SPCB01	
Current Address	11 A, Sai Samarth Nagar, Tapan Patel Marg, Karvand Road, Shirpur	
Spouse / Husband Full Name	Mrs. Madhuri Patil	
Spouse / Husband Adhar No	339165244786	
Spouse / Husband Date of Birth	26/03/1994	
No of Child	1	
Blood Group	O +ve	
Caste	Hindu Maratha	
Category	Open	
Sub Caste	Maratha	

Faculty Profile

Educational Qualifications				
Degree	Specialization	Name of the College/Institute	University	Percentage& Class
B. Pharm.	Pharmacy	A.R.A. College of Pharmacy, Dhule	KBC NMU, Jalgaon	First Class
M. Pharm.	Pharmaceutical Chemistry	R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur	KBC NMU, Jalgaon	71% Distinction
Whether Ph.D. awarded :-				
Title of Ph.D. thesis awarded:-				
Whether qualified NET / SET :-				

Academic / Industry Experience							
Name of the Institution / Industry		Position		From		To	
R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur		Assistant Professor		01-09-2011		Till date	
Total Experience	12.7	Teaching	12.7	Research	08	Administration	-

Subjects Taught(if Academic Experience)	
UG	PG
Pharmaceutical Analysis	Modern Bioanalytical Techniques
Instrumental Methods of Analysis	Modern Pharmaceutical Analytical Techniques

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	39	5	2	5	50
Publications (Journals) (Title, Journal Name, ISSN/ ISBN No. / Impact Factor / Author/Co-author/ Volume / Pg. No)					

Faculty Profile

1.	Patil, A. S. , Mundada, A. B., Shrivane, R. S., Mundada, P. A., & Surana, S. J. (2023). Normal-and reversed-phase high-performance thin-layer chromatography methods for the simultaneous determination of remogliflozin etabonate and metformin hydrochloride antidiabetic drugs in bulk and tablet formulation. <i>JPC–Journal of Planar Chromatography–Modern TLC</i> , 36(1), 89-97. (Impact factor = 1.6)
2.	Patil, A. S. , Gaware, A. R., Chaudhari, S. R., Shirkhedkar, A. A., & Ganorkar, S. B. (2023). Studies on Spectrophotometric Approach for Analysis of Antiplatelet Therapeutic Agent: Ticagrelor. <i>Journal of Applied Spectroscopy</i> , 89(6), 1092-1099. (Impact Factor = 0.7)
3.	Sonawane, P. D., Chaudhari, S. R., Ganorkar, S. B., Patil, A. S. , & Shirkhedkar, A. A. (2022). A brief review on critical analytical aspects for quantification of ambroxol in biological samples. <i>Analytical Biochemistry</i> , 657, 114888. (Impact Factor = 2.9)
4.	Girase, M. V., Haswani, N. G., & Patil, A. S. (2022). Simple and Novel Zero and First Order Spectrophotometry- AUC methods for Determination of Fimasartan Potassium Trihydrate in Bulk and in-house Tablets. <i>International Journal of Food and Nutritional Sciences</i> , 11(3), 5299-5306. (UGC Care Listed Journal)
5.	Patil, M. K., Girase, M. V., Patil, A. S. , Haswani, N. G., & Patil, A. M. (2022). Insightful, Comprehensive application-based Overview of Nanosensors. <i>International Journal of Food and Nutritional Sciences</i> , 11(13), 902-921. (UGC Care Listed Journal)
6.	Haswani, N. G., Firke, S. D., Patil, A. S. , Jain, P. S., Khadse, S. C., Khan, M. G., & Agrawal, K. M. (2022). Development and Validation of RP-HPTLC Method for Estimation of Prochlorperazine Edisylate Using DoE Approach. <i>Samriddhi A Journal of Physical Sciences, Engineering and Technology</i> , 14(4), 41-52. (UGC Care Listed Journal)
7.	Patil, M. R., Ganorkar, S. B., Patil, A. S. , & Shirkhedkar, A. A. (2022). Terahertz spectroscopy: Encoding the discovery, instrumentation, and applications toward pharmaceutical perspectives. <i>Critical Reviews in Analytical Chemistry</i> , 52(2), 343-355. (Impact factor = 5.0)
8.	Patil, M. R., Ganorkar, S. B., Patil, A. S. , Shirkhedkar, A. A., & Surana, S. J. (2021). A converged pharmaceutical analysis supported with hydrotrophy & DoE with dual HPTLC and stress studies for estimation of tolcapten. <i>Microchemical Journal</i> , 167, 106328. (Impact Factor = 4.8)
9.	Adhao, V. S., Chaudhari, S. R., Ambhore, J. P., Sangolkar, S., Thenge, R. R., Cheke, R. S., & Patil, A. S. (2021). Reverse phase-liquid chromatography assisted protocol for simultaneous determination of lamivudine and tenofovir disoproxil fumarate in combined medication used to control HIV infection: an investigative approach. <i>Future Journal of Pharmaceutical Sciences</i> , 7, 1-11. (Impact Factor = 2.6)
10.	Pawara, M. D., Pardeshi, S., Gaware, A. R., Patil, A. S. , & Girase, M. V. (2021). Development of novel HPTLC method for determination of imidazole antifungal drug fenticonazole: Exploring hydrotrophy. <i>International Journal of Pharmaceutical Chemistry and Analysis</i> , 8(2), 79-83. (ISSN: 2394-2797)
11.	Girase, M. V., Patil, A. S. , Mali, B. J., Haswani, N. G., & Deore, B. L. (2021). Development of UV-Spectrophotometric Methods for Analysis of Saffinamide Mesylate in Bulk and Tablets. <i>International Journal of Food and Nutritional Sciences</i> , 10(1), 401-417. (UGC Care Listed Journal)
12.	Pawara, M. D., Patil, A. S. , & Ghodke, M. S. (2021). Application of hydrotropic solubilization phenomenon for estimation of fenticonazole in bulk and vaginal capsules using UV-spectrophotometry methods. <i>Asian Journal of Pharmaceutical Analysis</i> , 11(2), 113-117. (ISSN: 2231-5667)
13.	Girase, M. V., Dorik, R., Mahirrao, J., & Patil, A. S. (2021). Development and Validation of Zero Order UV-Visible Spectrophotometry method for Assay and Dissolution Studies of Imatinib mesylate. <i>International Journal of Food and Nutritional Sciences</i> , 10(9), 381-390 (UGC Care Listed Journal)
14.	Patil, M. R., Ganorkar, S. B., Patil, A. S. , Shirkhedkar, A. A., & Surana, S. J. (2021). Hydrotropic solubilization in pharmaceutical analysis: Origin, evolution, cumulative trend and precise applications. <i>Critical reviews in analytical chemistry</i> , 51(3), 278-288. (Impact Factor = 5.0)
15.	Firke, S. D., Patil, A. S. , & Kasar, S. R. (2020) Quantitative Determination of Prochlorperazine Edisylate in Bulk and Pharmaceutical Dosage Form by Zero order UV-Spectrophotometry. <i>Inventi Rapid: Pharm Analysis & Quality Assurance</i> , 2020(1), 1-4. (ISSN: 0976-3813).
16.	Patil, M. R., Patil, A. S. , & Shirkhedkar, A. A. (2019). Novel and ecofriendly UV-Spectrophotometry methods for estimation of Tolcapten using hydrotropic agent. <i>International Journal of Pharmaceutical Chemistry and Analysis</i> , 6(4), 115-119. (ISSN: 2394-2797)
17.	Chaudhari, K. R., Bhaskar, R., Ola, M., Patil, A. S. , Ambatkar, A., & Mahajan, T. (2020). Comprehensive Review on Analytical Profile of Antidepressant Drug. <i>Journal of Drug Delivery and Therapeutics</i> , 10(2), 220-228. (ISSN: 2250-1177)
18.	Marathe, S. R., Patil, A. S. , Ganorkar, S. B., Chaudhari, S., & Shirkhedkar, A. A. (2019). A brief review on analytical methods for estimation of isradipine in pharmaceutical formulation and biological matrices. <i>Journal of the Chilean Chemical Society</i> , 64(3), 4565-4570. (Impact Factor = 1.6)
19.	Rathod, R. H., Chaudhari, S. R., Patil, A. S. , & Shirkhedkar, A. A. (2019). Ultra-high performance liquid chromatography-MS/MS (UHPLC-MS/MS) in practice: analysis of drugs and pharmaceutical

Faculty Profile

	formulations. <i>Future Journal of Pharmaceutical Sciences</i> , 5, 1-26. (Impact Factor = 2.6)
20.	Jadhav, V. L., Patil, A. S. , Chaudhari, S. R., & Shirkhedkar, A. A. (2019). UV-Spectrophotometry-multicomponent mode of analysis for simultaneous estimation of brinzolamide and brimonidine tartrate in bulk and ophthalmic formulation. <i>Journal of Pharmaceutical Technology, Research and Management</i> , 7(1), 31-35. (ISSN: 2321-2217)
21.	Jadhav, V., Patil, A. S. , & Shirkhedkar, A. A. (2019). Development and Validation of First and Zero-Order Derivative UV-Spectrophotometry Methods using Area under Curve Technique for Determination of Brinzolamide in Bulk and in Ophthalmic Formulation. <i>Inventi Rapid: Pharm Analysis & Quality Assurance</i> , 2019(3), 1-4.
22.	Tayade, A. B., Patil, A. S. , & Shirkhedkar, A. A. (2019). Development and Validation of Zero Order UV-Spectrophotometric Method by Area Under Curve Technique and High Performance Thin Layer Chromatography for the Estimation of Remogliflozin Etaborate in Bulk and In-House Tablets. <i>Inventi Rapid: Pharm Analysis & Quality Assurance</i> , 2019(3), 1-5. (ISSN: 0976-3813).
23.	Tayade, A. B., Patil, A. S. , Jain, P., Surana, S. J., & Shirkhedkar, A. A. (2019). Inclusive Review on Analytical and Bioanalytical Profile of Nifedipine. <i>Asian Journal of Pharmaceutical Analysis</i> , 9(3), 177-190. (ISSN: 2231-5667)
24.	Ganorkar, S. B., Chavan, N. N., Patil, A. S. , & Shirkhedkar, A. A. (2019), Derivative UV-Spectrophotometric Area Under Curve Investigation for Pharmaceutical Estimation of Metronidazole. <i>European Journal of Pharmaceutical and Medical Research</i> , 6(7), 471-474. (ISSN: 2394-3211)
25.	Chaudhari, S. R., Patil, A. S. , & Shirkhedkar, A. A. (2018). Studies on derivative spectroscopy and area under curve UV-spectrophotometric methods for estimation of Apremilast in bulk and in-house Tablets. <i>Asian Journal of Pharmaceutical Research</i> , 8(1), 11-16. (ISSN: 2231-5683)
26.	Rathod, R. H., Patil, A. S. , & Shirkhedkar, A. A. (2017). Development and validation of zero and first order derivative area under curve spectrophotometric methods for the determination of axitinib in bulk material and in-house tablets. <i>Research Pharmaceutica</i> , 1(2), 32-36. (ISSN: 2457-0389)
27.	Firke, S. D., Patil, A. S. , Patil, R. R., & Patil, A. S. (2018). Stability-indicating HPTLC method for estimation of benazepril in bulk and tablet dosage form. <i>Analytical Chemistry Letters</i> , 8(4), 552-564. (Scopus Indexed)
28.	Dhandar, A. G., Chaudhari, S. R., Ganorkar, S. B., Patil, A. S. , Surana, S. J., & Shirkhedkar, A. A. (2017). An Insight on Analytical Profile on Bisoprolol Fumarate—A Selective Beta-1 Adrenoreceptor Blocker. <i>Journal of Pharmaceutical Technology, Research and Management</i> , 5(2), 185-216. (ISSN: 2321-2217)
29.	Dhandar, A. G., Ganorkar, S. B., Patil, A. S. , & Shirkhedkar, A. A. (2018). Development and validation of UV spectrophotometric method for simultaneous estimation of Quinifamide and Mebendazole in in-house pharmaceutical formulation. <i>Journal of Pharmaceutical Technology, Research and Management</i> , 6(1), 9-20. (ISSN: 2321-2217)
30.	Shirkhedkar, A. A., Borse, J. S., Patil, M. D., & Patil, A. S. (2018). Application of Normal and Reversed-Phase TLC/Densitometry Methods for Determination of Naratriptan Hydrochloride in Tablet dosage form. <i>Asian Journal of Pharmaceutical Analysis</i> , 8(2), 91-95. (ISSN: 2231-5667)
31.	Rathod, R. H., Patil, A. S. , & Shirkhedkar, A. A. (2018). Novel NP and RP-HPTLC in praxis for simultaneous estimation of chlorthalidone and cilnidipine in bulk and pharmaceutical formulation. <i>Analytical Chemistry Letters</i> , 8(6), 862-871. (Scopus Indexed)
32.	Patil, A. S. , & Shirkhedkar, A. A. (2017). Application of quality by design in the development of HPTLC method for estimation of anagliptin in bulk and in-house tablets. <i>Eurasian Journal of Analytical Chemistry</i> , 12(5), 443-58. (Scopus Indexed)
33.	Chaudhari, S. R., Patil, A. S. , & Shirkhedkar, A. A. (2017). Development of Six UV-Spectrophotometry Methods for Estimation of Gliclazide in Bulk and in Tablet Formulation. <i>Inventi Rapid: Pharm Analysis & Quality Assurance</i> , 2017(2), 1-4. (ISSN: 0976-3813).
34.	Shirkhedkar, A. A., Chaudhari, S. R., Patil, A. S. , & Surana, S. J. (2017). A concise review on analytical profile of valsartan. <i>Eurasian Journal of Analytical Chemistry</i> , 12(4), 337-364. (Scopus Indexed)
35.	Patil, A. S. , & Shirkhedkar, A. A. (2016). Development and validation of five simple UV-spectrophotometry methods for estimation of anagliptin in bulk and in house tablets. <i>Pharmaceutical Methods</i> , 7(2), 127-131. (Impact Factor: 0.35)
36.	Pachpute, K. V., Patil, A. S. , Mahajan, H. D., Mali, B. J., Deore, B. L. (2015). Application of area under curve technique for UV-spectrophotometric determination of benazepril in bulk and tablet formulation. <i>Analytical Chemistry An Indian Journal</i> , 15(1), 35-38. (ISSN: 0974-7419)
37.	Chavhan, M. L., Patil, A. S. , Surana, S. J., & Shirkhedkar, A. A. (2015). Application of HPTLC and RP-HPLC Methods for Simultaneous Estimation of Ofloxacin and Prednisolone Acetate in Ophthalmic Dosage Form. <i>Indian Drugs</i> , 52(05), 17-26 (Scopus Indexed)
38.	Patil, A. S. , Karanjavkar, J. J., Khatik K. S., & Khatik, I. S. (2015). Quantitative UV-spectrophotometry estimation of risperidone using hydrotropic solubilization phenomenon. <i>International Journal of Advances in Pharmaceutical Analysis</i> , 5(3), 58-60 (ISSN: 2277-9353)

Faculty Profile

39.	Patil, A. S. , Mahajan, H. D., Wagh, R. D., Deore, B. L., & Mali B. J. (2014). Self-Micro Emulsifying Drug Delivery System (SMDDS): A Novel Approach for Enhancement of Bioavailability. <i>Pharma Science Monitor</i> 5(1), 133-143. (ISSN: 0976-7908)
40.	Khan, Z. G., Patil, A. S., & Shirkhedkar, A. A. (2014). Estimation of Tadalafil Using Derivative Spectrophotometry in Bulk Material and in Pharmaceutical Formulation. <i>International Journal of Spectroscopy</i> , 2014. (ISSN: 1687-9457)
41.	Jain, P. S., Patil, A. S., Gawad, J. B., Patil, V. K., & Borse, V. V. (2013). Conotoxins- Potential Marine Substances: An Overview. <i>International Journal of Pharmaceutical Research and Bio-Science</i> , 2(5), 146-153. (ISSN: 2277-8713)
42.	Patil, A. S., Patil, P. S., Pawar, M. S., Pawar, M. C., & Verma, R. (2013). Novel UV-Spectrophotometric Method for Estimation of Flunarizine Dihydrochloride in Bulk and Tablets Using Area Under Curve Technique. <i>International Journal of Analytical and Bioanalytical Chemistry</i> , 3(2), 64-66. (ISSN: 2231-5012)
43.	Redasani, V. K., Mali, B. J., Patil, A. S., & Shirkhedkar, A. A. (2013). Development and validation of RP-HPLC method for determination of safinamide mesylate in bulk and in tablet dosage form. <i>Analytical Chemistry An Indian Journal</i> , 13(4), 127-130. (ISSN: 0974-7419)

Additional Roles & Key Responsibilities Handled

1.	Organized national conferences and workshops as convener and organizing committee member
2.	Worked as Assistant Student development officer and organized various student centric activities
3.	Keenly involved since last almost 10 years in extramural research initiatives and consultancy at Central Instruments Facility at Dept. of Pharmaceutical Chemistry.

Paper Presented / Published in Conferences

(Title, Conference Name, Venue, Conf. Proceeding -ISSN/ ISBN No./ Impact Factor / Author/Co-author/Pg. No.)

Books Authored/Co-authored

1.	Nil
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Awards, Patents, Prizes etc.

1.	UK Design Patent 6343271, "Advanced chemistry analyzer for measuring the concentration of substances in body fluid"
2.	Indian Patent 406346-001 "Sample Applicator for The Thin Layer Chromatography"
3.	Indian Design Patent 369473-001, "Capsule Filling Machine"
4.	Indian Patent 202321000207 A, "Polyherbal Pain Relieving Gel Formulation and Preparation Method Thereof" (Pending)
5.	Indian Patent 202321053973 A, "A Method for Preparation of Biological Nanosensors Based on Localized Surface Plasmon Resonance and Formulation Thereof" (Pending)
6.	P. D. Sethi Memorial Annual Award- 2015 for Best Research Paper (Certificate of Merit).

Membership in Professional Bodies

Faculty Profile

1.	APTI Life Member
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Training Program Attended (Seminar / Workshop / Conference / Refreshers Course etc.)	
1.	AICTE, New Delhi Sponsored Two-Day National Conference on “Need Based Research and Development in Pharmaceutical Field for Serving Society” 24 th -25 th Nov.2019
2.	ICMR, New Delhi Sponsored Two-Day National Seminar on “Research and Therapeutics in Medicinal (Drug) Chemistry” 7 th – 8 th July 2018
3.	Faculty Development Program on "Pedagogical Challenges in Pharmaceutical Education & Research in Digital Age" from 19 th Dec to 23 rd Dec 2022.
4.	National Level e-Faculty Development Program / e-Student Training Program on EFFECTIVE RESEARCH PROPOSAL AND MANUSCRIPT WRITING" Thursday, 23 rd - 25 th March 2023
5.	National Conference on Recent Trends in Green Chemistry and Nano Technology-2022 (RTGCNT - 2022) March 08, 2022.
6.	One Week National Online Faculty Development Program on ICT Tools for Effective Teaching Learning, from 11 th to 16 th May 2020
7.	Two Weeks Faculty Development Programme on Empowerment Through Digital Technology and E-Learning organized during 18 th -30 th May, 2020.

Note: - In case of additional credentials, attach likewise

I hereby declare that the information given above is correct and to the best of my knowledge and belief. I fully understand that if it is found at a later date that any information given in the application is incorrect/false or if I do not satisfy the eligibility criteria, my candidature/appointment is liable to be cancelled/terminated.

Place:

Date:



Signature of the Applicant