

## CURRICULUM VITAE



**Shaktipal K. Patil**

**M. Pharm (Pharmacology)**

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### **Career Objective: -**

To obtain a challenging opportunities in academic field that utilizes my varied knowledge and has the ability to work efficiently even under pressure in an efficient manner to meet the challenges and gain further knowledge & skills.

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### **Professional Experience: - Total experience: 13.1 years**

➤ **Current Experience:- 01 Aug. 2019 to till date**

- ✓ **Institute:** H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist. Dhule (MS).
- ✓ **Designation:** Assistant Professor (UG Approved by KBCNMU, Jalgaon University).
- ✓ **Department:** Pharmacology.

➤ **Previous Experience:-**

- ✓ **Six years & seven months** experience with **Agnihotri College of Pharmacy, Wardha, Dist. Wardha (MS)**, as **Assistant Professor** (UG & PG Approved by Nagpur University) during **08 Jan. 2013 to 31 July 2019**.
- ✓ **Two year & one month** experience with **Anazeal Analyticals & Research Pvt. Ltd.** New Mumbai as **Analyst in Bioanalytical Department in Clinical Research** during **27 Dec. 2010 to 07 Jan 2013**.
- ✓ **Five month** experience with **Institute of Pharmacy, Maregaon, Dist. Yavatmal (M.S.)**, as **Lecturer** during **Jun-2008 - Oct-2008**.
- ✓ **One year** experience with **Encore Health care Pvt. Ltd.** Based at Paithan, Dist. Aurangabad (M.S.) as **Production Jr. Officer** in Granulation Dept. during **Aug-2007- Jun-2008**.

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## **Job responsibilities:-**

**Current:-** Teaching experience in various subjects like Pharmacology, Anatomy Physiology, Pharmacy Practice and, Social and Preventive Pharmacy.

### **Previous:-**

- Teaching experience in various subjects like Pharmacology, Pathophysiology, Clinical Pharmacy and Anatomy Physiology.
- Operation of LCMS/MS (API-3200, API-2000) Analyst software- 1.4.2.
- Depth knowledge of Developing and optimizing simple analytical and Bioanalytical methods and techniques.
- Processing of Method Development, Method Validation, and Subject Analysis of plasma samples as per method SOP.
- Filling raw data formats of respective experiments.
- Preparation of STP, Validation Protocol, & Report for MV & SA.
- Preparation of SOP's.
- Faced DCGI Audit.

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## **Academic Credentials: -**

- **Ph. D. (Pursuing)** from **Sankalchand Patel University, Visnagar, Gujarat.**
- **M. Pharmacy (Pharmacology)** with 63.11% from **Rashtra Sant Tukdoji Maharaj, Nagpur University** in 2010.
- **B. Pharmacy** with 59.41% from **Sant Gadge Baba Amravati University** in 2007.
- **H.S.C** with 60% from **Maharashtra state Board** in 2003.
- **S.S.C.** with 65.86% from **Maharashtra state Board** in 2000.

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## **M. Pharm Research Title: -**

- Studies on the effect of Berberine on Ethanol-induced Cognitive Dysfunction and Oxidative Stress in Rats.  
**(Published Research: Shaktipal Patil\*, Santosh Tawari, Dharmendra Mundhada, Sayyed Nadeem. Protective effect of berberine, an isoquinoline alkaloid ameliorates ethanol-induced oxidative stress and memory dysfunction in rats. Pharmacology, Biochemistry and Behavior (Elsevier). 2015; 136:13-20. Impact factor: 3.6)**

### **Ph. D. Research Title: -**

- Effect of antioxidant-containing active constituent against chemicals-induced cognitive dysfunction via modulating the neurotransmitters and cytokines pathways in rodents.

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### **Book Published: -**

- A Text book of **Pharmacological Screening Methods**, Pee Vee Publication, ISBN 97815-43345-86-5, by **Shaktipal Patil**, Md. Rageeb Md. Usman, Alok Tripathi & Amrapali Mhaiskar
- Practical Book of **Human Anatomy & Physiology-I**, Pritam Publication, ISBN 978-93-5735-959-7, by **Shaktipal Patil**, Amrapali Mhaiskar, Matin Shaikh & Deepak Patil.

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### **Research Publications: -**

1. Imran Kazmi, Muhammad Afzal, Faisal Imam, Sami I. Alzarea, **Shaktipal Patil,\*** Amrapali Mhaiskar,\* Ujashkumar Shah, and Waleed Hassan Almalki. **Barbaloin's Chemical Intervention in Aluminum Chloride Induced Cognitive Deficits and Changes in Rats through Modulation of Oxidative Stress, Cytokines, and BDNF Expression.** *ACS Omega*. 2024. (**Impact factor: 4.1**)
2. Mustafa Zeyadi, Komal G. Chaudhari, Pravin O. Patil, Fahad A. Al-Abbasi, Naif A. R. Almalki, May M. Alqurashi, Imran Kazmi, **Shaktipal Patil** & Zamir G. Khan\*. **Development of a highly sensitive fluorescent probe using Delonix regia (Gulmohar) tree pod shell for precise sarcosine detection in human urine samples: advancing prostate cancer diagnosis.** *Journal of Biomolecular Structure and Dynamics (Taylor & Francis)*. 2024; 23:1-14. (**Impact factor: 4.4**)
3. Asma B. Omer, Obaid Afzal, Abdulmalik S. A. Altamimi, **Shaktipal Patil,\*** Shareefa A. AlGhamdi, Amira M. Alghamdi, Sami I. Alzarea, Waleed Hassan Almalki, and Imran Kazmi. **Neuroprotective Effect of Barbaloin on Streptozotocin-Induced Cognitive Dysfunction in Rats via Inhibiting Cholinergic and Neuroinflammatory Cytokines Pathway TNF- $\alpha$ /IL-1 $\beta$ /IL-6/NF- $\kappa$ B.** *ACS Omega*. 2023; 8, 8: 8110–8118. (**Impact factor: 4.1**)
4. Amrapali Mhaiskar, Vishal Bagul, **Shaktipal Patil\***. **Neuroprotective Properties of Medicinal Plants: A Comprehensive Review.** *Journal of the Maharaja Sayajirao University of Baroda*. 2022; Volume-56, No.1(III): 57-64.

5. Mhaiskar A, Shoeb M, Mundhada D and **Patil S\***. **The Neuroprotective Effect of Ellagic acid on Cognitive Impairment and Oxidative Stress Induced by Ptz-Kindling in Rats.** International Journal of Biology, Pharmacy and Allied Sciences. 2022; 11(4): 1829-1846.
6. **Shaktipal Patil\***, Amrapali Mhaiskar, Ujwal Katolkar, Vikram Nimbhorkar, Dharmendra Mundhada. **Protection against Cholinesterase and Oxidative Stress Contributes to The Effect of Rutin ameliorating Ethanol-Induced Memory Dysfunction in Rats.** American Journal of PharmTech Research. 2019; 9(3): 16-35.
7. Amrapali Mhaiskar, Sweta Ghadse, Dharmendra Mundhada, Rahul Tade, **Shaktipal Patil\***. **Ethanol-induced Oxidative Stress and Cognitive Impairment in Rats: Neuroprotective Effects of Silymarin as a Flavonoids.** International Journal of Advanced Science and Technology. 2020; 29(10s): 8915-8927. (**Impact factor: 0.814**)
8. Vijayanta Dhawas, Disha Dhabarde and **Shaktipal Patil\***. **Emulgel: a comprehensive review for novel topical drug delivery system.** International Journal of Recent Scientific Research 2020; 11(04 C): 38134-38138.
9. **Shaktipal Patil\***, Amrapali Mhaiskar, Dharmendra Mundhada. **Protective effect of desvenlafaxine on ethanol-induced anxiety and depression in mice.** International Journal of Recent Scientific Research 2020; 11(01B): 36777-36781.
10. Sanvidhan G Suke, Prasad Sherekar, Vivek Kahale, **Shaktipal Patil**, Dharmendra Mundhada, Vivek M Nanoti. **Ameliorative effect of nanoencapsulated flavonoid against chlorpyrifos-induced hepatic oxidative damage and immunotoxicity in Wistar rats.** Journal of Biochemical and Molecular Toxicology (Wiley Online Library). 2018; 32(5):1-6. (**Impact factor: 3.6**)
11. **Shaktipal Patil\*** Ujwal Katolkar, Amit Salve, Dharmendra Mundhada. **The Neuroprotective Effect of  $\alpha$ -Tocopherol on PTZ-induced Epilepsy causes Oxidative Stress and Memory Impairment in Rats.** World Journal of Pharmacy and Pharmaceutical Sciences. 2017; 6(6): 1124-40.
12. **Shaktipal Patil\*** Amrapali Mhaiskar, Prashant Wake, Dharmendra Mundhada. **Diabetic Neuropathy: A Recent Trend.** World Journal of Pharmacy and Pharmaceutical Sciences. 2016; 6(1): 1610-20.
13. **Shaktipal Patil\*** Amrapali Mhaiskar, Dharmendra Mundhada. **A Review on Novel Drug Delivery System: A Recent Trend.** International Journal of Current Pharmaceutical & Clinical Research. 2016; 6(2): 89-93.
14. **Shaktipal Patil\***, Santosh Tawari, Dharmendra Mundhada, Sayyed Nadeem. **Protective effect of berberine, an isoquinoline alkaloid ameliorates ethanol-induced oxidative**

- stress and memory dysfunction in rats.** Pharmacology, Biochemistry and Behavior (Elsevier). 2015; 136:13-20. (**Impact factor: 3.6**)
15. **Shaktipal Patil\*** and Amrapali Mhaiskar. **Current aspects on diabetes retinopathy.** The Pharma Innovation Journal. 2015; 4(3):42-44.
16. Bhutada P\*, Mundhada Y, Bansod K, Tawari S, **Patil S**, Dixit P, Umathe S, Mundhada. **Protection of cholinergic and antioxidant system contributes to the effect of berberine ameliorating memory dysfunction in rat model of streptozotocin-induced diabetes.** Behavioral Brain Research (Elsevier). 2011; 20;220(1):30-41. (**Impact factor: 2.7**)

**Poster Presentation: -**

- **‘Inhibitory influence of mecamylamine on the ethanol withdrawal-induced symptoms in C57BL/6J’** At “IPS-2009, Held at Kolkata.
- **‘Berberine Ameliorates Ethanol-induced Memory Dysfunction in Rats’** At “IPS-2010, Held at Hyderabad.

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**Faculty Development Program (FDP) & Short Term Training Program (STTP)**

1. AICTE sponsored 6 Days Online STTP on “Target based drug design strategies utilizing CADD tools and ecofriendly microwave assisted green synthesis at ISF college of Pharmacy, MOGA on dated 27 April to 02 May 2020.
2. Five days e-FDP in association with APTI on Building Research and Innovation culture among Pharmacy Teachers organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pune on dated 18 to 22 May 2020.
3. One Week Online International FDP on Skilling Teachers for Online Education organized by UKA Tarsadiya University Gujarat on dated 2 to 6 June 2020.
4. STTT Program “Train The Teacher Training Program on "Online Learning: Live Classroom Teaching platforms”, KBC NMU, Jalgaon, dated 24 to 27 July 2020.
5. One week AICTE sponsored STTP on Novel Experimental Techniques in preclinical research for CNS disorders at SKBCOP, Kamptee, Nagpur on dated 27 July to 1 Aug 2020.
6. One week AICTE Training And Learning (ATAL) Academy Online FDP on "Personal Effectiveness" organized by H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur on dated 21 to 25 Sep. 2020.
7. One Week Online Short Term Training Program on “OUTCOME BASED PEDAGOGICAL METHODS FOR EFFECTIVE TEACHING LEARNING & ACCREDITATION” at Institute

of Pharmaceutical Education & Research, Borgaon (Meghe), Wardha from 5 to 10 November 2020.

8. One week AICTE sponsored STTP on Innovation in effective teaching, learning pedagogy and research skill development organized by Modern College of Pharmacy, Pune on dated 19 to 24 April 2021.
9. One week AICTE sponsored STTP on “Role of Regulatory Affairs in Pharmaceutical Industry: Current Trends and Future Perspectives” organized by R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur on dated 15 to 20 May 2021.
10. One week AICTE sponsored STTP on “Developing Excellence in Research & Academic Leadership” Opportunities and Challenges organized by MMCOP, Pune (M.S) on dated 21 to 26 June 2021.
11. One week AICTE sponsored STTP on Pedagogy for effective use of ICT in Pharmacy organized by Sanjivani College of Pharmaceutical Education and research, Kopergaon on dated 21 to 26 June 2021.
12. One week AICTE sponsored STTP on Educational program for Pharmacy teacher on orientation of recently admitted students organized by Rajarshi Shahu College of Pharmacy, Buldhana on dated 1 to 6 July 2021.
13. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Developing Life Skills & Capacity Building for Pharma Professionals" organized by Maharshi Dayanand University, Rohtak on dated 13 to 17 September 2021.
14. Two week Indian Government sponsored FDP on Global Business Foundation Skills, a Corporate Social Responsibility (Project Genesis) organized by Infosys BPM, Ltd., Pune on dated 12 to 20 September 2022.
15. One week International STTP-VI on “Greener living: Reduce, Reuse and Recycle” organized by Raj Rishi Govt. Autonomous College on dated 1 to 7 Feb. 2023.

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### **Professional Skills:**

- **Instrument proficiency:** - LCMS/MS (API-3200 & API-2000), Morris Water Maze, Elevated Plus Maze, CPP apparatus, Biochemical Analyzer, CNS Apparatus, UV spectrophotometer, Plethysmometer etc
- Expert in handling rats and mice, expert in oral, i.p., s.c. dosing of animals.

### **Computer Skills:**

- Basics software knowledge MS word, MS Excel, MS Power point, Graph Pad etc.
- Internet surfing and data searching.

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**Personal Profile: -**

Date of birth : 13 Sep. 1983.  
Marital status : Single.  
Nationality : Indian.  
Languages known : English, Hindi, Marathi  
Address : Vikramshila nager, Near Hanuman Mandir, Dist. Wardha.

**References: -**

**Dr. S. B. Bari**

**Principal**

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist. Dhule (MS).

**Dr. D. R. Mundhada**

**Principal**

Agnihotri College of pharmacy Wardha.

**Declaration: -**

All the above particulars are correct to the best of my knowledge and belief.

Date: 01 /02 /2024

Place: Shirpur.

**Shaktipal K. Patil**