

# Dr. Anil Pawar

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**Educational Qualifications** : M. Pharm., Ph.D. (Pharmacology)

| Degree    | University/Board   | Year of Passing | Percentage/Grade |
|-----------|--|-----------------|------------------|
| Ph.D.     | PRIST University,<br>Thanjavur,<br>Tamilnadu, India.                   | Feb-2017        | -                |
| M. Pharm. | Rajiv Gandhi<br>University of Health<br>Sciences, Karnataka,<br>India. | June-2009       | 85.64            |
| B. Pharm. | University of Pune,<br>Pune, Maharashtra,<br>India.                    | Apr-2004        | 70.44            |

**Experience** : 11 years (Academic: 10.7 years & Industry: 1.5 years)

**Membership of Professional Bodies** : 1) Maharashtra State Pharmacy council  
2) Indian Pharmacological Society (IPS)  
3) Indian Pharmaceutical Association (IPA)  
4) Association of Pharmaceutical Teachers of India (APTI)  
5) Society of Pharmaceutical Education & Research (SPER)  
6) The International Association for the Study of Traditional Asian Medicine (IASTAM-India)  
7) Laboratory Animal Science Association of India (LASAI)  
8) Laboratory Animal Scientist's Association (INDIA)

**Publications** : 1) Research articles: **18**  
2) Review articles: **03**  
3) Books: **02**  
4) Book chapter: **01**  
5) Patents: **01**

**Research Articles:**

1. Naresh Killi, **Anil Tukaram Pawar**, Rathna Venkata Naga Gundloori. Polyesteramide of Neem Oil and its Blends as Active Nanomaterial for Tissue Regeneration. ACS Applied Bio Materials 2019; 2(8): 3341-3351.
2. **Anil T. Pawar**, Gayatri D. Gaikwad, Bhanudas S. Kuchekar. Antidepressant effect of *Hedyotis corymbosa* extract in olfactory bulbectomy rats. Pharmacognosy Research 2018; 10(2): 213-217.
3. Lokesh Prasad MS., Kalaskar P. Gurunath, S. B. Chandrasekar, Umashankar C., Hemavathi G., **Pawar AT**. Evaluation of wound healing potential of different topical formulations of aqueous leaf extracts of *Tridax procumbens* L. in rats. Journal of Scientific Research in Pharmacy 2017; 6(1): 98-102.
4. Vishnu P. Choudhari, Ketkee P. Gore, **Anil T. Pawar**. Antidiabetic, antihyperlipidemic activities and drug-drug interaction of a polyherbal formulation in streptozotocin-induced diabetic rats. Journal of Ayurveda and Integrative Medicine 2017; 8(4): 218-225.
5. Lokesh Prasad MS, Kalaskar P Gurunath, SB Chandrasekar, Umashankar C, **Pawar AT**. Formulation and evaluation of herbal formulations (Ointment, Cream, Gel) containing *Tridax procumbens* and *Areca catachu*. Journal of Scientific and Innovative Research 2017; 6(3): 97-100.
6. **Anil T. Pawar**, Niraj S. Vyawahare. Protective effect of ethyl acetate fraction of *Biophytum sensitivum* extract against sodium oxalate-induced urolithiasis in rats. Journal of Traditional and Complementary Medicine. 2017; 7(4): 479-486.
7. **Anil T. Pawar**, Niraj S. Vyawahare. Antiurolithiatic activity of *Abelmoschus moschatus* seed extracts against zinc disc implantation-induced urolithiasis in rats. Journal of Basic and Clinical Pharmacy 2016; 7(2): 32-38.
8. **Anil T. Pawar**, Niraj S. Vyawahare. Anti-urolithiatic activity of standardized extract of *Biophytum sensitivum* against zinc disc implantation induced urolithiasis in rats. Journal of Advanced Pharmaceutical Technology & Research 2015; 6(4): 176-182.
9. **Anil T. Pawar**, Niraj S. Vyawahare. Protective effect of standardized extract of *Biophytum sensitivum* against calcium oxalate urolithiasis in rats. Bulletin of Faculty of Pharmacy, Cairo University 2015; 53(2): 161-172.
10. **A. T. Pawar**, N. S. Vyawahare. Protective effect of methanolic extract of *Abelmoschus moschatus* seeds against calcium oxalate urolithiasis in rats. Journal of Chemical and Pharmaceutical Research 2015; 7(6): 269-278.
11. **Pawar A.T.**, Anap R.M., Ghodasara J.V., Kuchekar B.S., Protective effect of hydroalcoholic root extract of *Rubia cordifolia* in indomethacin-induced enterocolitis in rats, Indian Journal of Pharmaceutical Sciences 2011; 73(2): 250-253.

12. **Pawar A.T.**, Gaikwad G.D., Metkari K.S., Tijore K.A., Ghodasara J.V., Kuchekar B.S., Effect of *Terminalia chebula* fruit extract on ethylene glycol induced urolithiasis in rats, *Biomedicine & Aging Pathology* 2012; 2: 99-103.
13. S.B. Chandrasekar, Kalyani Divakar, **A.T. Pawar**, Divakar Goli,R. Harisha, M. Bhanumathy, G. Sushma, H.N. Shivaprasad. Involvement of opioid, adenosine and 5-HT3 receptors in antinociceptive effects of an Ayurvedic polyherbal formulation. *Medical Principles and Practice* 2011; 20: 66-70.
14. Ghodasara J., **Pawar A.**, Deshmukh C., Kuchekar B., Inhibitory effect of rutin and curcumin on experimentally-induced calcium oxalate urolithiasis in rats, *Pharmacognosy Research* 2010; 2(6): 388-392.
15. Kalyani Divakar, **A.T. Pawar**, S.B. Chandrasekhar, S.B. Dighe, Goli Divakar. Protective effect of the hydro-alcoholic extract of *Rubia cordifolia* roots against ethylene glycol induced urolithiasis in rats. *Food and Chemical Toxicology* 2010; 48: 1013-1018.
16. Deshmukh C.D., Veeresh B., **Pawar A.T.**, Protective effect of *Emblica officinalis* fruit extract on acetic acid induced colitis in rats, *Journal of Herbal Medicine and Toxicology* 2010; 4(2): 83-87.
17. Deshmukh C.D., Veeresh B., **Pawar A.T.**, Effect of *Embelica officinalis* fruit extract on indomethacin induced enterocolitis in rats, *Research Journal of Medicinal Plant* 2010; 4(3): 141-148.
18. **Pawar A.T.**, Kalyani Divakar, Chandrasekar S.B., Divakar Goli. Diuretic activity of root extract of *Rubia cordifolia* linn. *Pharmacologyonline* 2009; 1: 597-603.

#### **Review Articles:**

1. **Anil T. Pawar**, Neeraj S. Vyawahare. Phytopharmacology of *Abelmoschus moschatus* medik.: A Review. *International Journal of Green Pharmacy* 2017; 11(4): S648-S653.
2. **A. T. Pawar**, N. S. Vyawahare. Phytochemical and pharmacological profile of *Biophytum sensitivum* (L) DC. *International Journal of Pharmacy and Pharmaceutical Sciences* 2015; 6(11): 18-22.
3. S. B. Chandrasekar, M. Bhanumathy, **A. T. Pawar**, T. Somasundaram. Phytopharmacology of *Ficus religiosa*. *Pharmacognosy Reviews* 2010; 4(8): 195-199.

#### **Books:**

1. Vyawahare N.S., **Pawar A. T.** and Takawale R.V.: *Pharmacology-I*. Tech Max Publications, Pune.
2. **Pawar A. T.**, Vyawahare N.S. *Basic Concepts in Pharmacology and Clinical Practice*. Tech Max Publications, Pune.

#### **Book Chapter:**

1. Chandrasekar S. B., **Anil T. Pawar**, Lokesh Prasad M. S., Hemavathi G. 'Antioxidants against stress-induced memory dysfunction'. In: *Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Disease*, Edited by Md. Sahab Uddin, Aman Upananlawar. Nova Publication, New York. 2019, Page no. 131-165 (ISBN: 978-1-53615-688-1).

**Patents:**

Choudhari Ganesh, Choudhari Vishnu, Kuchekar Bhanudas, More Chandrakant, Pawar Anil. Liquid Composition Comprising Multiple Active Ingredients. Indian Patent- Application Number 201921019148; dated 14-05-2019.

**Guest lectures:**

1. Delivered a guest lecture on 'Career Opportunities in Pharmacy Profession: An Informative Note' at Pravara Rural College of Pharmacy, Ahmednagar (10/08/2019).
2. Delivered a guest lecture on 'Overview of clinical trials' at Savitribai Phule Pune University sponsored state level seminar on 'Pharmacovigilance: The need of 21<sup>st</sup> Century' organized by Pravara Rural College of Pharmacy, Ahmednagar (06/02/2019).
3. Delivered a lecture on the topic of 'Current trends in targeted anticancer therapy' at Savitribai Phule Pune University sponsored national level seminar on 'Current approaches in cancer therapy' organized by Alard College of Pharmacy, Pune (16/01/2019).
4. Delivered a guest lecture on 'Overview of clinical trials' at Pravara Rural College of Pharmacy, Ahmednagar (10/01/2019).

**Training and Workshops:**

1. Two days' workshop on NAAC Accreditation Framework conducted by IQAC, MIT World Peace University, Pune (18<sup>th</sup> to 19<sup>th</sup> November 2019).
2. NPTEL online certificate course in 'Animal Physiology' conducted by Indian Institute of Technology, Kanpur (January to April 2019).
3. DST, Government of India sponsored faculty development programme on 'Entrepreneurship' at MIT World Peace University, Pune (4<sup>th</sup> to 15<sup>th</sup> March 2019).
4. MHRD, Government of India sponsored faculty development programme under the Scheme of 'Pandit Madam Mohan Malavya National Mission on Teachers and Training' on 'Clinical Data Management' at Institute of Chemical Technology, Mumbai (17<sup>th</sup> to 27<sup>th</sup> December 2018).
5. Two weeks AICTE-Sponsored Quality Improvement Programme on 'Global Pharmacovigilance Approaches and Drug Safety in Healthcare Sector' at Poona College of Pharmacy, Pune (26<sup>th</sup> November to 8<sup>th</sup> December 2018).
6. State Level Seminar on 'Environmental Protection Law in India: Issues and Challenges' organized by Dr. D. Y. Patil Law College, Pune (8<sup>th</sup>-9<sup>th</sup> September 2018).
7. Faculty Development Programme organized by Faculty of Education, Dr. Vishwanath Karad MIT World Peace University, Pune (16<sup>th</sup>-17<sup>th</sup> August 2018).
8. NPTEL online certificate course in 'Biostatistics and Design of Experiments' conducted by Indian Institute of Technology, Madras (Jul-Sep 2017).
9. Faculty Development Programme on 'Personality Through Communication and Spirituality-Part IV' at Maharashtra Institute of Pharmacy, Pune (24<sup>th</sup> November to 9<sup>th</sup> December 2016).

10. 'One Week Training Programme for CPCSEA Nominees' organized by Ministry of Environment, Forests and Climate Change, Govt. of India at National Institute of Animal Welfare, Ballabgarh, Haryana (10<sup>th</sup>-14<sup>th</sup> October 2016).
11. 'Orientation Course for Programme Officers of the National Service Scheme' sponsored by Ministry of Youth Affairs and Sports, Govt. of India at NSS Empanelled Training Institute Ahmednagar College, Ahmednagar (14<sup>th</sup>- 20<sup>th</sup> October 2013).
12. 'Certificate Programme for Faculty in Higher Education' at MIT School of Business, Pune (22<sup>nd</sup> August to 30<sup>th</sup> September 2011).
13. AICTE-sponsored Quality improvement programme on 'Innovation In Pharmacology' at Poona college of Pharmacy, Pune (22<sup>nd</sup> November to 4<sup>th</sup> December 2010).
14. 'CPCSEA Workshop For IAEC Members' at YASHADA, Pune (22<sup>nd</sup> Feb 2010).
15. Workshop on 'Innovations In Life Science Research & Education' at Poona college of Pharmacy, Pune (12<sup>th</sup> Nov 2009).
16. Short term Training Programme on 'New millennium trends in teaching and research of Pharmacology and Toxicology' at Acharya & B. M. Reddy College of Pharmacy, Bangalore, Karnataka (23<sup>rd</sup> to 27<sup>th</sup> June 2008).
17. Workshop on 'Getting started in Research' at Visveswarapura Institute of Pharmaceutical Sciences, Bangalore, India (21<sup>st</sup> Nov 2007).

**Paper presentation (Seminars and conferences) :**

1. Poster presentation on 'Antihemorrhoidal activity of Ayurvedic medicine, Piloheal Cream in rats' in World Congress on Pharmacology-2019 on 28<sup>th</sup>-29<sup>th</sup> August 2019 organized by BioGenesis Health Cluster at J. N. Tata Auditorium, Indian Institute of Science, Bangalore, Karnataka.
2. Oral presentation on 'Antirolithiatic Activity of Extract of *Biophytum sensitivum* in rats' in International Conference on 'Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges and Future Perspectives' on 25<sup>th</sup>-26<sup>th</sup> September 2018 at V. V. Institute of Pharmaceutical Sciences, Gudlavalleru, Andhra Pradesh.
3. Poster presentation on 'Antihemorrhoidal activity of Ayurvedic medicine, Piloheal Cream in rats' in 69<sup>th</sup> Indian Pharmaceutical Congress held on 22<sup>nd</sup>-24<sup>th</sup> December 2017 at Chitkara University, Rajpura, Punjab.
4. Oral presentation on 'Antirolithiatic activity of fractions of Indian medicinal plant extract in laboratory animals' in University of Pune sponsored research work competition 'INNOVATION-2017' held on 18<sup>th</sup> November, 2017 at STE's Smt. Kashibai Navale College of Pharmacy, Pune.
5. Poster presentation on 'Antihemorrhoidal activity of Ayurvedic medicine, Piloheal Cream in rats' in National level seminar on 'drug Discovery through Enhanced Drug Targeting' held on 2-3<sup>rd</sup> January 2017 at Sinhgad Institute of Pharmacy, Pune.
6. Poster presentation on 'Antirolithiatic activity of ethyl acetate fraction of *Biophytum sensitivum* extract on sodium oxalate-induced urolithiasis in rats' in 68<sup>th</sup> Indian Pharmaceutical Congress held on 16<sup>th</sup>-18<sup>th</sup> December 2016 at AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnum, Andhra Pradesh.
7. Poster presentation on 'Protective effect of amentoflavone containing extract-fraction from *Biophytum sensitivum* on calcium oxalate urolithiasis in rats' in International Conference on

Advances in Asian Medicine (ICAAM-2016) held on 3<sup>rd</sup> to 7<sup>th</sup> January 2016 at Hotel Orchid, Pune.

8. Oral presentation on 'Antidepressant activity of Indian medicinal plants in laboratory animals' in University of Pune sponsored research work competition 'INNOVATION-2014' held on 23<sup>rd</sup> to 24<sup>th</sup> April, 2014 at Marathwada Mitra Mandal's College of Pharmacy, Pune.
9. Poster presentation on 'Antidepressant activity of Indian medicinal plants in laboratory animals' in University of Pune sponsored research work competition 'INNOVATION-2013' held on 17<sup>th</sup> to 18<sup>th</sup> April, 2013 at Amrutvahini College of Pharmacy, Sangamner.
10. Poster presented on 'Diuretic activity of roots extract of *Rubia cordifolia* Linn.' in '41<sup>st</sup> Annual conference of Indian Pharmacological Society & International Conference on Translational Pharmacology' held at AIIMS, New Delhi, India.
11. Poster presented on 'Evaluation of antidiarrhoeal effect of aqueous and ethanolic extracts of fruit pulp of *Terminalia bellerica* in rats' in 59<sup>th</sup> Indian Pharmaceutical Congress held at Varanasi, India.

#### **Research Funding:**

1. University of Pune (Rs. 2 Lakhs) funded research projects on 'Antidepressant activity of Indian medicinal plant in laboratory animals'.
2. University of Pune (Rs. 1.5 Lakhs) funded research projects on 'Antiuro lithiatic activity of fractions of Indian medicinal plant extract in laboratory animals'.

#### **Consultancy:**

1. Actorius Innovation and Research Pvt. Ltd., Pune for 'Acute toxicity evaluation of blood on exposure to test assembly in rats.
2. Polymer Science and Engineering division, CSIR-National Chemical Laboratory, Pune for 'Evaluation of wound healing potential of chlorohexidine digluconate nanofiber mat, film and gel'.
3. Actorius Innovation and Research Pvt. Ltd., Pune for 'Evaluation of wound healing potential of polymeric scaffolds against burn wounds in rats'.
4. Polymer Science and Engineering division, CSIR-National Chemical Laboratory, Pune for 'Evaluation of wound healing activity of novel Neem-based polymer in rats'.
5. M/s. Tate Remedies, Pune for 'Evaluation of antidiabetic and antihyperlipidemic activities a polyherbal formulation 'Ojamin' in diabetic rats'.
6. Ocean Herbal & Lifecare Pvt. Ltd., Pune on 'Anti-hemorrhoid activity of *Piloheal Cream* in rats'.
7. Ocean Herbal & Lifecare Pvt. Ltd., Pune on 'Appetizer activity of *Appetomax syrup* in rats'.

#### **Professional Experience:**

1. Member of Board of Studies of School of Pharmacy, MIT World Peace University, Pune.

2. 'Scientific Committee-Chairman' for International conference 'Recent Trend in Chemometrics: A Pharmaceutical Perspective' to be held at Hotel Sheraton Grand, Pune from 6<sup>th</sup> to 8<sup>th</sup> February 2020.
3. 'Incharge-Research' of MAEER's Maharashtra Institute of Pharmacy, Pune for the academic year 2019-20.
4. Member-Organizing Committee for Two Days National Level Conference on 'Recent Trends in Cosmetic Technology' on 28<sup>th</sup> February & 1<sup>st</sup> March 2019 at MAEER's Maharashtra Institute of Pharmacy, Pune.
5. Evaluator-Scientific Session for National Conference on 'Art of Scientific Writing & Publication: Role of Research Proposal in Scientific Investigations' on 15<sup>th</sup> February 2019 at Dr. D. Y. Patil College of Pharmacy, Pune.
6. Evaluator-Scientific Session for International Conference on 'Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges and Future Perspectives' on 25<sup>th</sup>-26<sup>th</sup> September 2018 at V. V. Institute of Pharmaceutical Sciences, Gudlavalleru, Andhra Pradesh.
7. Evaluator-Scientific Session for 69<sup>th</sup> Indian Pharmaceutical Congress held on 22<sup>nd</sup>-24<sup>th</sup> December 2017 at Chitkara University, Rajpura, Punjab.
8. Postgraduate teacher of Savitribai Phule Pune University, Pune.
9. Reviewer of National and International Research Journals: Indian Journal of Pharmaceutical Sciences, Indian Journal of Experimental Biology, African Journal of Traditional, Complementary and Alternative Medicines, Drug Delivery and Traditional Research and Experimental and Therapeutic Medicine.
10. Evaluator-Scientific Session for 68<sup>th</sup> Indian Pharmaceutical Congress held on 16<sup>th</sup>-18<sup>th</sup> December 2016 at Andhra University College of Pharmaceutical Sciences, Andhra University, Visakhapatnam, Andhra Pradesh.
11. NSS (National Service Scheme) Programme officer of Maharashtra Institute of Pharmacy, Pune NSS unit sanctioned by Savitribai Phule Pune University during academic years 2012-13, 2013-14 and 2014-15.
12. Examiner for B. Pharm. & Pharm. D. practical examination of Savitribai Phule Pune University and Bharathi Vidyapeeth's Deemed University, Pune.
13. Teaching Assistant in Acharya & B. M. Reddy College of Pharmacy, Bangalore (2008 to 2009).
14. Production Pharmacist in small volume parenteral department, Emcure Pharmaceuticals Ltd, Pune (2005 to 2007).

#### **Awards and Achievements:**

1. 'Best Professor in Pharmacology Studies' at 11<sup>th</sup> Innovative Education Leadership Award 2019 by DNA & Stars Group (16/02/2019).
2. 'Ideal Teacher Award-2018' of Maharashtra Academy of Engineering and Educational Research. Pune.
3. First Rank holder at M. Pharm. Examination-2009 of Rajiv Gandhi University of Health Sciences, Karnataka.
4. 'Best Outgoing Student Award-2014' by S. G. R. S. College of Pharmacy, Saswad, Pune.