

Dr. Vaibhav Suresh Adhao

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Career Objective:

To pursue the challenging career in the organization who will allow me to use my creative abilities, skills and experience for the betterment of the organization.

Experience:

- Presently working as Academic Dean, Associate Professor and HoD, Dept. of Pharmaceutical Analysis and Quality Assurance, Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist. Buldana. (From date- 01 Sept. 2008). (13 years)
- M. Pharm. Project work including 6 months training done at Wockhardt Research Center, Aurangabad (Maharashtra).

Qualification:

- Doctor of Philosophy(Ph.D.) in Pharmaceutical Sciences- (2017)
- Master of Pharmacy (Pharmaceutical Analysis) – (2008)
- Bachelor of Pharmacy-(2006)
- Higher Secondary School Certificate- (2002)

Area of Interest:

- Stability indicating method development on HPLC.
- Analysis & validation of several analytical techniques.
- Method development for dissolution and impurity profiling.
- Development of Molecularly Imprinted Polymer (MIP)
- Development of Co-Crystal
- Development of MS-EXCEL sheets for various formulas for the dissolution studies, Assay and Related substances.

Instruments Handled:

- High Performance Liquid Chromatography, (Waters with Empower-pro software and Shimadzu with LC Solution Software along with PDA Detector)

- IR, Thermo, ID3 ATR, with software OMNIC.
- DSC, Mettler Toledo, DSC1, with Software STAR^e.
- UV spectrophotometer (Elico & Shimadzu),
- Dissolution Apparatus (USP I and II, Electrolab and VanKel).

IT/Technical Skill:

- MS-CIT

Thesis Topics:

- **Ph.D.:** Development and Validation of Analytical Method for some drugs. (2017)
- **M.Pharm:** Development of HPLC methods for Estimation of Antihypertensive Drug and its related substances in the Solid Dosage Form. (2008)

PhD Students Guide: 03 (Registered)

Patents filed: 02

- A Cocystal Composition of Candesartan with Enhanced Oral Bioavailability. (Application No.202121005204 A) (12/02/2021)
- An Antipsychotic Medicated Confection and Method of Preparation Thereof. (Application No.202121011460 A) (30/04/2021)

PG Research Projects Guided: 14

- Solubility enhancement of Poorly Water Soluble Drug by Solid Dispersion Technique.
- Improvement of Physicochemical Properties of Proton Pump Inhibitor by Co-Crystal Techniques.
- Acid Degradation Studies of Co-crystals of Pantoprazole by HPLC.
- Estimation of Sildenafil Mesylate by using UV Spectroscopy and Chromatographic Methods in Bulk and Pharmaceutical Formulation.
- Development & Validation of RP-HPLC Method for Simultaneous Determination of Anti-asthmatic Drugs in Pharmaceutical Dosage Form.
- Method Development and Validation for Simultaneous Estimation of Lamivudine and Tenofovir in Pharmaceutical Dosage Form by RP-HPLC.
- Development & validation of Analytical Method for Estimation of Anti-Tubercular Drugs in Pharmaceutical Dosage Form.
- Development and Validation of RP-HPLC Method for Estimation of Anti Ulcer Drug in Pharmaceutical Dosage Forms.
- Development and Validation of RP-HPLC Method for Simultaneous Determination of NSAID & Antiulcer Drug in Pharmaceutical Dosage Form.

- Development and Validation of RP-HPLC Method for Simultaneous Determination of Anti-diabetic Drug in Pharmaceutical Dosage Form.
- Development and Validation of RP-HPLC Method for Determination of Anticonvulsant Drug in Pharmaceutical Dosage Form.
- Development and Validation of RP-HPLC Method for Simultaneous Estimation of Antihypertensive Drug in Pharmaceutical Dosage Form.
- Development and Validation of RP-HPLC Method for Determination of Antipsychotic Drug in Pharmaceutical Dosage Form.
- Development and Validation of RP-HPLC Method for Simultaneous Estimation of Antibiotic and Mucolytic Drugs in a Pharmaceutical Dosage Form.

Publications in Journals: 36

- V.S. Adhao, R.R. Thenge, N.M. Mahajan, L. Mehasare, 'Improvement of Acid Stability of Lansoprazole by Cocrystallization Techniques', **American J PharmTech Res., 2021, Vol. 11 No.1: 58-60.**
- Vaibhav S. Adhao, Jaya P. Ambhore, Rameshwar S. Cheke, Ritesh R. Papat and Shital J. Gandhi; "Futuristic review on progress in force degradation studies and stability indicating assay method for some antiviral drugs"; **GSC Biological and Pharmaceutical Sciences, 2021, 16(01), 133-149**
- V. S. Adhao, S. R. Chaudhari, J. P. Ambhore, S. Sangolkar, R. R. Thenge, R. S. Cheke and A.S. Patil; "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" **Future Journal of Pharmaceutical Sciences 2021:7(90)**
<https://doi.org/10.1186/s43094-021-00233-3>.
- V.S. Adhao, R.R. Thenge, P. Chaware, N. M. Mahajan, 'Preparation and Characterization of Rabeprazole Cocrystals', **Int. J. Adv. Pharm. Biotech, 2020, 6(3) 23-26**
- V.S. Adhao, R.R. Thenge, P.V. Ajmire; "The Study on Age of Menarche in Girls in the Buldana District of Maharashtra"; **International Journal Pharmaceutical Quality Assurance; Vol. 11 Issue No.2 (2020), 205-207.**
- V.S. Adhao, R.R. Thenge, A.A. Zanke; "COVID-19: A pandemic declared by world health organization"; **International Journal of Comprehensive and Advanced Pharmacology; Vol. 5 Issue No. 2, (2020), 49-57.**
- Adhao V.S., Thenge R.R., Sharma J., Thakare M. ; "Development and Validation of Stability Indicating RP-HPLC Method for Determination of Sildenafil Mesylate" **Jordan Journal of Pharmaceutical Sciences, Vol.13 Issue No. 02 (2020); 151-163.**
- V.S. Adhao, R.R. Thenge; "Elemental Impurities: A Review"; **Research and Reviews: A Journal of Pharmaceutical Science, Vol. 11 Issue No.1 (2020), 17-21.**

- V.S. Adhao, J. P. Ambhore, R. S. Cheke; "Molecularly Imprinted Polymer-Based Fluorescent Sensors: A Promising Tool for Food and Environment Analysis"; **International Journal of Trend in Scientific Research and Development; Vol. 4 Issue No. 02, (2020).**
- V.S. Adhao, R.R. Thenge, M.P. Chandak; "Spherical Crystallization: A tool to improve Physicochemical Properties of API's"; **Asian Journal of Pharmaceutical Research and Development; Vol. 8 Issue No.03 (2020), 104-110.**
- V. S. Adhao, R. S. Cheke, S. D. Shinde, J. P. Ambhore, D. S. Cheke; "Coronavirus: Hotspot on coronavirus disease 2019 in India"; **Indian Journal of Medical Sciences Vol.72, Issue No. 01 (2020), 29.**
- V.S. Adhao, R.R. Thenge, M.P. Chandak; "Liposomes: A Novel Drug Delivery System"; **International Journal of Pharmacy and Pharmaceutical Research; Vol.18, Issue No. 02 (2020), 704-715.**
- V.S. Adhao, AR Rathi, RR Popat, VN Shrikhande; "Nail drug delivery system: a review"; **International Journal of Pharmaceutical Chemistry and Analysis Vol.7 Issue No.01 (2020), 9-21.**
- V.S. Adhao, R.R. Thenge, M. P. CHandak; "Microsphere: A Novel Drug Delivery System"; **International Journal of Pharmacy & Technology Vol.12, Issue No. 01 (2020), 31955-31973.**
- Adhao V.S., Sapkal S.B., Thenge R.R., Darakhe R.A., Shinde S.A; "Formulation and Characterization of Solid Dispersions of Etoricoxib Using Natural polymers" **Turkish Journal of Pharmaceutical Sciences, Vol.17 Issue No. 01 (2020); 7-19.**
- V.S. Adhao, R.R.Thenge; "Green Analytical Chemistry: A New Practice"; **Indian Research Journal of Pharmacy and Science, Vol. 5 Issue No. 04(Suppl) (2020), 1753.**
- Adhao V.S., Thenge R.R., Mahajan N.M., Ajmire P.V. ; " Formulation and Evaluation of Buccoadhesive Drug Delivery System for Lovastatin"; **Journal of Drug Delivery and Therapeutics; Vol.08 Issue No.9(2-S), (2019); 06-12.**
- Adhao V.S., Thenge R.R., Mahajan N.M., Wanaskar K., Bhutada Y.; "Design and in-vitro evaluation of Extended release tablet of Nateglinide"; **Journal of Drug Delivery and Therapeutics; Vol.08 Issue No.5, (2018); 235-239.**
- Adhao V.S., Thenge R.R., Shinde S.A., Bhaltadak M.B., Navthale H.A.; " Formulation and Comparative Standardization of Swadisth Virechan Churn"; **American Journal of Pharmacy and Health Research; Vol. 06, Issue No.10, (2018); 30-42.**
- Adhao V.S., Thenge R.R., Shinde S.A., Bhaltadak M.B., Navthale H.A.; "Formulation and Comparative Standardization of Ayurvedic Skin Cream" **Indo American Journal of Pharmaceutical Research, Vol.08 Issue No. 09 (2018); 1720-1726.**

- Adhao V.S., J.Sharma, M.Thakare, "Development and Validation of Stability Indicating High Performance Liquid Chromatography Method for Determination of Ceritinib" **Indonesian J. Pharm. Vol. 28 No. 4 (2017) :241 –248.**
- Adhao V.S., Thenge R.R., Mahajan N.M., Barde L.N, Ajmire P.V., "Preparation And Characterization Of Co-Crystals Of Diacerein" **Indonesian J. Pharm. Vol. 28 No. 1(2017) : 34 – 41.**
- Adhao V.S., Thenge R.R., J.Sharma, M.Thakare "Development and Validation of Stability Indicating High Performance Liquid Chromatography Method for Determination of Baclofen" **American Journal of PharmTech Research, 2017, 7(2), 544-556.**
- Adhao V.S. "RP-HPLC Method development and validation for the simultaneous estimation of Aceclofenac and Rabeprazole Sodium in the bulk and marketed formulation" **Indian Journal of Pharmacy and Pharmacology, July-September 2016; 3(3);146-151.**
- Adhao V S, Popat R R, Barde L N, Shrikhande V N, Mathur V B "Development and validation of Analytical method for determination of monocrotophos using high performance liquid chromatography" **Indo American journal of Pharmaceutical Research. 2016:06(03)**
- Adhao V S, Popat R R, Barde L N, Mahajan N M, Thenge R RAjmire P V. Method Development And Validation For The Estimation Of Acephate By Using Reversed Phase HPLC. **World journal of pharmacy and pharmaceutical sciences 2016 January Volume 5, Issue 1, 1167-1172**
- V. S. Adhao, R. R. Thenge*, S. V. Lonkar, Dr. N. M. Mahajan, Dr. L. N. Barde, P. V. Ajmire, R. R. Popat.Modification and characterization of lovastatin crystals. **World journal of pharmacy and pharmaceutical sciences 2016, January Volume 5, Issue 1,1035-1045**
- V.S. Adhao, R.R. Popat, R.R. Thenge, P.V. Ajmire, L.N. Barde, N.M. Mahajan. Green Bioanalytical Chemistry: A Review. **Journal of Current Pharma Research 2016 Volume 6 Issue 2, 1809-1824.**
- V.S. Adhao, "Stress Testing of Drug Substance and Drug Product: A Review"**International Journal of Pharmaceutical Sciences Review and Research. 2013.**
- V.S. Adhao, "Ultra Performance Liquid Chromatography (UPLC): A Recent Chromatography Technique." **Asian Journal Of Pharmaceutical Inventia. 2013,1(1).**
- V.S. Adhao, "Particle Size Determination of Nasal Drug Delivery System: A Review"**International Journal of Pharmaceutical Sciences Review and Research, 2012, 17 (1), 66-73.**
- V.S. Adhao, "Neuropharmacological profile of morinda citrifolia (linn.)" **World Journal of Pharmacy and Pharmaceutical Sciences. Volume 2, Issue 3, 1187-**

1197.

- V.S. Adhao, "Apoptosis: A Drug Design In Chemotherapy" **International Journal of Review Article Pharmaceutical Innovation**. Volume 3, Issue 2, March - April 2013.
- V.S. Adhao, "Taste masking and evaluation of rapid disintegrating tablet of Gatifloxacin Sesquihydrate" **Research Journal of Pharmaceutical Dosage form and Technology** 2009, 1 (2), 135-138
- V.S. Adhao, "Formulation and evaluation of transdermal drug delivery system for Lercanidipine HCl" **International journal of PharmTech Research** 2010, 2 (1), 253-258.
- V.S. Adhao, "Formulation and Evaluation of Sustained release suspension of Ambroxol Hcl Using Ion Exchange Resin" **International Journal of PharmTech Research Oct-Dec-2009**.

Books Published:

- **Instrumental Methods of Analysis** by S. Vikas and Company (Medical Publisher), Marketed by Pee-Vee book Publication (2020). ISBN No.-97815-43344-13-4
- **Written a Chapter in "SOF-10" e-book on Soft Skill Development an Official publication of SGBAU, Amravati**. ISBN No. :9788194757009
- **Practical Book of Pharmaceutical Inorganic Chemistry** by Sara Book Publication (2019). ISBN No.-978-93-88672-36-8.
- **Chapter: Covid-19: A Pandemic Declared by WHO**, by Technological Innovation in Pharmaceutical Research Vol. 11 Print ISBN: 978-93-91595-73-9, eBook ISBN: 978-93-91595-81-4.

Workshops, Trainings, Conferences and Seminars:

- Participated in Oral presentation at Society for Research Development in Health Sciences sponsored **2nd International Conference** held on 14th and 15th Feb. 2020 at Nagpur, M.S.
- Completed one week training program arranged by FDC and UGC-HRDC, SGBAU, Amravati in "**Train the trainer Programme for Soft Skill Development**" from 30th Dec.2019 to 4th Jan.2020.
- Attended two weeks National Science and Technology Entrepreneurship Development Board (NSTEDB), Dept. of Science and Technology, Govt. of India, New Delhi Sponsored Faculty Development Programme from 16th Dec. 2019 to 27th Dec. 2019 at Dadasaheb Balpande college of Pharmacy, Nagpur.

- Participated in poster presentation at National Conference on Recent development in pharmaceutical formulations and dispensing held on 21 Sept. 2019 at Burhanpur, M.P.
- Participated in poster presentation at 3rd International Conference on Academic and Industrial Innovation: **Transitions in Pharmaceutical, Medical and Biosciences (Innopharm 3)** held on 22-23 Oct 2018 at Panjim, Goa
- Completed Three days training program arranged by DTE Mumbai on topic **“Pharmaceutical Statistics experiencing through MS-EXCEL”** at Govt. college of Pharmacy, Aurangabad.
- Attended two weeks AICTE New Delhi Sponsored Quality Improvement Programme in **“Advances in Analytical Techniques”** at Poona college of Pharmacy, Pune.
- One Day **“NAAC Accreditation Awareness Workshop”** by Sant Gadge Baba Amravati University Amravati, Nov. 2017.
- Pune University Sponsored Two day International Level Seminar **“Therapeutic Proteins: Challenges and Opportunities”** at Sinhgad COP, Pune, Feb. 2017.
- One day International Workshop on **“Topical Dermatological Dosage Forms”** at Mumbai Jan. 2017.
- Pune University sponsored two days National Level Conference on **“Biopharmaceutical Aspects of Drug Delivery System – Formulation Challenges of NDDS”** at Malegaon, Jan.2017.
- Pune University Sponsored one day State Level Seminar on **“Green Chemistry & Chemical Waste Management”** at Malegaon, Jan.2016.
- Pune University Sponsored Two day National Level Seminar on **“Design of Experiments for Formulation and Development”** at Malegaon, Jan.2016.
- Two Day National Level Workshop on **“Research Methodology”** at Malkapur, Sept. 2014.
- AICTE, New Delhi Sponsored National seminar on **“Recent trend in Pharmaceutical Nanotechnology”** at SNIOP, Pusad 2009 (M. S.)
- AICTE, New Delhi Sponsored National seminar on **“Current trend in Molecular modeling in drug design”** at SNIOP, Pusad 2011 (M. S.)

Achievements/Memberships/ Certificates:

- *Maharashtra State Pharmacy Council Registered Pharmacist. Reg. No. 97723*
- *Lifetime Member of Association of Pharmaceutical Teachers of India (APTI). Reg. No. MA/LM/2387.*
- *Certified Yoga Instructor by National Skill Development Corporation, PMKVY, Beauty & Wellness Sector Skill Council, under The Ministry of Skill Development and Entrepreneur Department, RPL conducted by Art of Living in Dec-2019.*
- *Certified Trainer of Sant Gadge Baba Amravati University, Amravati in Soft Skill Development Program in Jan 2020.*
- *Registered Ph.D. Supervisor for research of Ph.D. Students by Sant Gadge Baba Amravati University, Amravati.*

Extracurricular Activities:

- *Worked as Academic Dean at IBSS Dr. Rajendra Gode College of Pharmacy, Malkapur.*
- *Worked as HoD for Pharmaceutical chemistry and Quality Assurance from 2013 at IBSS Dr. Rajendra Gode College of Pharmacy, Malkapur*
- *Worked as AICTE and PCI committee in-charge for approval process.*
- *Worked as IQAC Coordinator for NAAC Accreditation Process at IBSS Dr. Rajendra Gode College of Pharmacy, Malkapur.*
- *Worked as Academics In-Charge for nine years at IBSS Dr. Rajendra Gode College of Pharmacy, Malkapur.*
- *Worked as Exam In-Charge for one year at IBSS Dr. Rajendra Gode College of Pharmacy, Malkapur.*
- *Participated in different intercollegiate sports events.*

Strengths:

- *Excellent Skill in Power point presentation, MS-Office word and Excel sheets.*
- *Self – Motivated & quick learner.*
- *Ability to work as a Team Coordinator.*
- *Patience*

Hobbies:

- *Playing Chess*

- Cycling
- Car and bike driving

Personal Details:

Father's Name : Mr. Suresh Vishwanath Adhao
Date of Birth : 20th August 1984
Languages known : English, Hindi, Marathi
Marital Status : Married
Nationality : Indian
Religion : Hindu
Category : Open
Caste : Maratha-Kunbi

Declaration:

I do hereby declare that all information provided above is true to my knowledge and belief.

Date :

Signature

Place :