

Dr. AISHWARYA RAMCHANDRA BALAP

Ph.D., M. Pharm.

Pharmaceutical Chemistry



Personal Information:

Name : Ms. AISHWARYA RAMCHANDRA BALAP
Date of Birth : 26TH JULY, 1982
Highest Qualifications: M. Pharm. Ph.D.
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Present Status : Associate Professor,
Department of Pharmaceutical Chemistry
PES's Modern College of Pharmacy, Nigdi, Pune-44.

Education Details:

No.	Qualification	Board / University	Year of Passing	Class
1	B. Pharm.	Shivaji University, Kolhapur.	2003	First Class
2	M. Pharm. (Pharmaceutical Chemistry)	Pune University, Pune.	2005	First Class
3	Ph.D. (Pharmaceutical Chemistry)	Bharati Vidyapeeth, Pune.	2017	----

Work Experience:

18 years teaching experience as Assistant Professor in Department of Pharmaceutical Chemistry,
PES's Modern College of Pharmacy, Nigdi, Pune-44.

Research Areas:

Pharmaceutical Analysis, Analytical method development (UV, HPLC, HPTLC), Stability Indicating Assay Methods, Herbal drug standardization, Herb-drug interactions, Pharmacokinetics, Polyherbal gel formulations, wound healing treatment.

Subjects taught:

B. Pharm. - Pharmaceutical Analysis-I, Pharmaceutical Analysis-II, Pharmaceutical Analysis-III, Pharmaceutical Analysis-V, Pharmaceutical Analysis-VI, Pharmaceutical Organic Chemistry-I, Instrumental Methods of Analysis, Biochemistry.

M. Pharm. - Advanced Analytical Techniques, Quality Planning and Analysis, Quality Control and Assurance of Pharmaceuticals, Drug Design, Advanced Organic Chemistry-I, Modern Pharmaceutical Analytical Techniques, Chemistry of Natural Products, Pharmaceutical Chemistry Practical I, Pharmaceutical Chemistry Practical II.

Membership of professional bodies:

- Pharmacy Council of India registration no. 109820
- Association of Pharmaceutical Teachers of India (APTI)
- Society of Ethnopharmacology, India (SFE, India) (2015-2021)

Research grants received:

Research grant of 2 lakhs has been received from Savitribai Phule Pune University, Pune in 2009 for the project titled “Development and validation of HPLC method for simultaneous estimation of Valsartan and Ramipril in bulk and dosage form”.

Research Guidance:

M. Pharm.: 18 Awarded

02 Ongoing

Publications: 22

National: 12

International: 10

Sr. No.	Title	Journal	Volume, Issue, Pg no.	Month & year of publication
1	Development of validated stability indicating RP-HPLC method for the estimation of Rosiglitazone.	Indian Journal of Pharmaceutical Education & Research	42, 65-69.	2008
2	Development and Validation of Spectrophotometric Methods for Estimation of Granisetron Hydrochloride in Pure and its Pharmaceutical Dosage Forms.	Asian Journal of Research in Chemistry	3, 928-931.	2010.
3	Simultaneous spectrophotometric estimation of aceclofenac and tizanidine hydrochloride in combined tablet dosage form.	Research J. Pharm. And Tech	4, 461-464.	2011
4	Spectrophotometric methods for simultaneous estimation of aceclofenac and tizanidine hydrochloride in combined dosage form.	International Journal of Universal Pharmacy and Life Sciences	2, 213-220.	2012
5	Development and validation of RP-HPLC method for simultaneous determination of ramipril and valsartan in its pure and pharmaceutical dosage forms.	International Journal of Universal Pharmacy and Life Sciences	2, 206-212.	2012
6	Development and Validation of UV Spectrophotometric Method for Simultaneous Determination of Rosuvastatin Calcium and Aspirin in its Pure and Pharmaceutical Dosage Forms.	International Journal of Pharmaceutical and Chemical Sciences	1, 659-663.	2012
7	Development and	Journal of	5, 4143-	2012

	Validation of HPTLC Method for the Simultaneous Estimation of Thiocolchicoside and Dexketoprofen in Bulk and Tablet Dosage Form.	Pharmacy Research	4146.	
8	Safety of Herbal Medicine: A Review. International	Journal of Pharmaceutical and Chemical Sciences		2012
9	Development and validation of HPTLC method for simultaneous determination of rosuvastatin calcium and aspirin in its pure and Pharmaceutical dosage form.	International Journal of Pharmacy and Pharmaceutical Sciences.	6, 704-706. 1.	2014
10	Pharmacokinetic and pharmacodynamic herb-drug interaction of <i>Andrographis paniculata</i> (Nees) extract and andrographolide with Etoricoxib after oral administration in rats.	Journal of Ethnopharmacology.	183, 9-17	2016
11	Pharmacokinetic and Pharmacodynamic Interaction of Andrographolide and Standardized Extract of <i>Andrographis paniculata</i> (Nees) with Nabumetone in Wistar Rats.	Phytotherapy research.	DOI: 10.1002/pt.r.5731	2017
12	Herb-drug interaction of <i>Andrographis paniculata</i> (Nees) extract and andrographolide on pharmacokinetic and pharmacodynamic of naproxen in rats.	Journal of Ethnopharmacology	195, 214-221.	2017
13	Challenges, Advances and Opportunities of Herbal Medicines in Wound Healing: A Review	Int. J. Pharm. Sci. Rev. Res.,	71(1), Article No. 15, Pages: 125-136	November - December 2021;

14	To study the pharmacokinetic herb-drug interaction of <i>momordica charantia</i> Fruit extract and pure charantin with nateglinide in rats	International Journal of Pharmacy and Pharmaceutical Sciences	Vol 13, Issue 9,	2021
15	Development and validation of stability-indicating HPTLC assay method of Remogliflozin Etabonate in bulk and marketed formulation	IJPSR,	Vol. 13(4): 1647-1656.	2022;
16	Effect of <i>Andrographis paniculata extract</i> and Andrographolide on the pharmacokinetics of Aceclofenac and Celecoxib in rats	Future Journal of Pharmaceutical Sciences	9:1 https://doi.org/10.1186/s43094-022-00450-4	January 2023
17	Development of a New Validated Stability-Indicating High-Performance Thin-Layer Chromatography Method for Determination of Dosulepin HCl in Bulk and Marketed Formulation with Characterization of its Degradants by Liquid Chromatography–Mass Spectrometry	Asian Journal of Pharmaceutical Research and Health Care	DOI: 10.4103/ajprhc.ajprhc_2_23	April 11, 2023
18	Stability Indicating HPTLC Method Development and Validation for Quantification of Favipiravir in Bulk and Commercial Film Coated Tablet	Int. J. Pharm. Investigation.	13(3),1-8.	Jul-Sep, 2023;
19	Anti-arthritic potential of ethyl acetate fraction of	Multidisciplinary Science Journal	1-9 https://doi.org/10.31893/multiscience.2023	Published Online: June 7, 2023

	<i>Pinus roxburghii</i> Sargent stem bark in Freund's complete adjuvant induced arthritis in Wistar rats		046	
20	Design, formulation and evaluation of polyherbal gel containing Honey and <i>Catharanthus-roseus</i> flower extract for its wound healing Activity	High Technology Letters	29, 7, 268-280	July 2023
21	Preclinical evaluation of the diabetic wound healing activity of phytoconstituents extracted from <i>Ficus racemosa</i> Linn. leaves	International Journal of Experimental Research and Review (IJERR)	32, 365-377	August 2023
22	A Comparative Study of Green Synthesis, Characterization and Antibacterial Activity of ZnO, Cu and AgNO ₃ , Nanoparticle of Indian Sunflower Honey	European Chemical Bulletin	12, 1960-1973 doi: 10.48047/ecb/2023.12.12.130	September 2023

Presentations: Oral- 06 (02 International, 04 National),

Poster- 03 National