

Faculty Profile



Name: Dr. Ojaswi Prashant Ghadge

Qualification: M. Pharm, Ph.D (Pharm. Chemistry)

**Designation: Head of the Department of Pharm.
Chemistry and Associate Professor**

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Google Scholar link:

<https://scholar.google.co.in/citations?user=12p9GNYAAAAJ&hl=en>

Ph.D.	Pharmaceutical Chemistry from S. N. D. T. Women's University, Mumbai
M.Pharm. Specilization & University	Quality Assurance, S. N. D. T. Women's University, Mumbai
B. Pharm. University	S. N. D. T. Women's University, Mumbai
Experience	<u>Academics</u> : 16 years
Projects handled	<ol style="list-style-type: none"> 1. M. Pharm research student 2023-25: Stability indicating RP-HPLC method development and validation and characterization of degradants by LC-MS. Incorporated QbD-approach for method optimization. 2. M. Pharm research student 2022-24: QbD-driven development and validation of a RP-HPLC method for simultaneous estimation of APIs in combined dosage form. 3. <u>PhD Project 2015-2019</u>: Design, synthesis and evaluation of anticancer activity of heterocyclic compounds under the guidance of Prof. Dr. S. S. Mahajan (Retired now) 4. Study of Antimitotic Potential of Synthesized Compounds by Onion Root Tip Assay. (HKCP's UG Research grant)- 2017-18 5. Design and synthesis of n-Phenylacetyl amide derivatives with heterocyclic moiety as potential

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	<p>antifungal agents. (HKCP's UG Research grant)- 2016-17</p> <p>6. Design, Synthesis and Anticancer Activity of Series of Benzothiazole Derivatives. (MU Minor Research Grant)- 2016-17</p> <p>7. Development of Solubility Measurement Methods for Drug Solubility Determination of some Poorly soluble drugs. (MU Minor Research Grant)- 2013-14</p> <p>8. Design and Evaluation of Garlic Sustained release tablets and its hemorheological study. (M. Pharm Project, Academic year 2008-09)</p>
Institutional and Administrative responsibilities	<ol style="list-style-type: none"> 1. Appointed as Examiner and Moderator for the various examinations conducted by University of Mumbai- UG AND PG. 2. Approved by University of Mumbai as a Post Graduate teacher (Quality Assurance) April 2015- M. Pharm Guide. 3. Appointed as Paper setter for Pharmaceutical Engineering-I by University of Mumbai. 4. Appointed as External Examiner for Pharmaceutical Analysis Lab-III by University of Mumbai. 5. Approved by University of Mumbai as a "Lecturer" in January 2011.
Professional Affiliations/ Membership	<ol style="list-style-type: none"> 1. Life member of APTI (Association of Pharmaceutical Teachers of India) 2. Editorial team member in <i>Pharmadarpan Magazine</i>- an initiative of APTI Mumbai 3. Registered Pharmacist by Maharashtra State Pharmacy Council- Registration Number 94073.

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Achievements

1. **Third Prize Winner (in sharing)** in Poster competition organized by **APTICON 2024 at Bhubneshwar, Odisha**, during 27th and 28th Sept 2024, for the paper entitled- QbD-driven development and validation of a HPLC method for simultaneous estimation of Furazolidone and Metronidazole in pharmaceutical dosage form.
2. Received *Certificate of Appreciation* from **APTI-Mumbai-** for contribution in Dyanganga e-repository of study materials- in **DIAMOND CATEGORY** (November 2021), **SILVER CATEGORY** (November-December 2020), **GOLDEN CATEGORY** (March-April 2021).
3. **Best poster award-** at 69th IPC-2017, held at Chitkara University, Rajpura, Chandigarh for the paper entitled- Evaluation of antimetabolic and anti-angiogenic potential of newly synthesized derivatives of 2-amino-6-fluorobenzothiazole. (Category: Medicinal chemistry) - 22nd-24th December **2017**
4. **First Prize** Winner in Poster competition organized by HKCP, Jogeshwari on two days Scientific Program on the paper entitled '*Design, Synthesis, and Anticancer Evaluation of Benzothiazole and Benzimidazole Derivatives*'- 26th– 27th September **2017**
5. **Third Prize** Winner in Poster competition organized by HKCP, Jogeshwari on two days Scientific Program on the paper entitled '*Study of Antimetabolic Potential of Synthesized Compounds by Onion Root Tip Assay*'-- 26th– 27th September **2017**
6. **Third Prize** Winner in Poster competition organized by 1st Mumbai APTICON- 2017, ICMR sponsored, National Seminar – organized by- Konkan Gyanpeeth

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	<p>Rahul Dharkar College of Pharmacy & Research Institute, Karjat, on the paper entitled '<i>Method Development and Validation for Simultaneous Estimation of Olmesartan Medoxomil and Hydrochlorothiazide in Tablet Dosage Form</i>'- 20th August 2017</p> <p>7. Received a Certificate of Excellence in recognition of an <i>outstanding contribution for Scientific research paper publication/ poster presentation</i> for two consecutive academic years- 2017-18 and 2016-17</p> <p>8. Third Prize Winner in Poster competition organized by HKCP, Jogeshwari on one Day National Seminar, on the paper entitled, '<i>Design and synthesis of n-Phenylacetamide derivatives with heterocyclic moiety as potential antifungal agents</i>'—1st October 2016</p> <p>9. Third Prize Winner in Poster competition organized by AIKTC, Panvel on two days National Seminar on the paper entitled 'Targeting MAPK pathway for the treatment of Cancer'- 10th-11th September 2015</p>
Core competency Areas	<ul style="list-style-type: none"> Analytical method development and validation, Molecular docking, CADD
Participation as Resource faculty/ coordinator/ convener	<ul style="list-style-type: none"> Guest lecture on 'Basics in chromatography and overview of HPLC (PCI syllabus) for Final Year B. Pharm students at Manoharbhair Patel Institute of Pharmacy, Gondia, Maharashtra- on 26th October 2020 AND 24th October 2024. Webinar on- Pharmacy as a Career option- for 12th passed students from Kalyan region, on 26th July 2020.
Poster/ Oral Presentations	<ol style="list-style-type: none"> Ghadge Ojaswi, Mahajan S. S., Design, synthesis and biological evaluation of benzothiazole, benzimidazole and benzoxazole derivatives as potential B-Raf inhibitors, presented in International conference on Drug Discovery 2022 at BITS Pilani K K Birla, GOA Campus, on 10th and 11th November 2022. Ghadge Ojaswi, Mahajan S. S., Evaluation of

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antimitotic and anti-angiogenic potential of newly synthesized derivatives of 2-amino-6-fluorobenzothiazole, presented at 69th IPC-2017, held at Chitkara University, Rajpura, Chandigarh during 22nd-24th December 2017- Best poster award

3. Shahjad Shaikh, Naved Deshmukh, Atif Ansari, Ghadge Ojaswi, Cytotoxic assay for anti-cancer screening, at National Seminar 'Innovations and Advancements in Natural Products and Drug Discovery', organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 26th September 2017
4. Suvarna Meghna*, Dsouza Joy, Mohammed Shadab Shaikh, Vandana Jain, Ghadge Ojaswi, Analytical Method Development and Validation for Simultaneous Estimation of Terbutaline Sulphate and Guaiphenesin in Tablet Dosage Form by RP-HPLC, at National Seminar 'Innovations and Advancements in Natural Products and Drug Discovery', organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 26th September 2017
5. *Ojaswi Ghadge, S. S. Mahajan, Design, Synthesis, and Anticancer Evaluation of Benzothiazole and Benzimidazole Derivatives, at National Seminar 'Innovations and Advancements in Natural Products and Drug Discovery', organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 26th September 2017- 1st Prize Winner
6. *Divya P., *Digna P., Ojaswi Ghadge, S. S. Mahajan, Study of Antimitotic Potential of Synthesized Compounds by Onion Root Tip Assay, at National Seminar 'Innovations and Advancements in Natural Products and Drug Discovery', organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 26th September 2017- 3rd Prize Winner
7. Gupta Priya*, Yadav Anshika, Prajapati Laxmi, Ghadge Ojaswi, Treatment Approaches in Colorectal Cancer, at National Seminar 'Innovations and Advancements in Natural Products and Drug Discovery', organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 26th September 2017
8. D'souza Joy*, Yadav Vineeta*, Ghadge Ojaswi, Boddu Snehalatha, Kinjawdekar Vedang, RP-

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HPLC Method Development and Validation for Simultaneous Estimation of Olmesartan Medoxomil and Hydrochlorothiazide in Tablet Dosage Form- 1st Mumbai APTICON- 2017, ICMR sponsored, National Seminar – organized by- Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat, on 20th August 2017- 3rd Prize winner

9. *Ojaswi Ghadge, Azhar Khan, Vandana Jain, Stability indicating RP- HPLC method for the Simultaneous Estimation of Ambroxol Hydrochloride and Guaiphenesin in a Pharmaceutical Dosage Form- Presented at 68th IPC, Dec 2016, Vizag.
- 10.*Ojaswi Ghadge, S. S. Mahajan, Design, synthesis and anticancer activity of n-Phenylacetamid derivatives with heterocyclic moieties- Presented for entry for Avishkar 2016- 10th December 2016 (Selected for participation in Avishkar 2016, Nanded by S.N.D.T. Women's University, Mumbai)
- 11.*Divya S., *Digna P., Ojaswi Ghadge, In-silico drug design, synthesis and antimicrobial evaluation of n-Phenylacetamide derivatives with heterocyclic moiety- Presented for Avishkar 2016- 1st and 20th December 2016 (Selected for second round of University of Mumbai)
- 12.*Ojaswi Ghadge, S. S. Mahajan, Molecular Docking Studies of N-Phenylacetamide Derivatives with heterocyclic moiety as Potential Anticancer Agents for Melanoma, Conference name- Recent trends and Innovations in Pharmaceutical Sciences, organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 1st October 2016.
- 13.*Divya P., *Digna P., Ojaswi Ghadge, S. S. Mahajan, Design and synthesis of n-Phenylacetamide derivatives with heterocyclic moiety as potential antifungal agents, Conference name- Recent trends and Innovations in Pharmaceutical Sciences, organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 1st October 2016.- 3rd Prize Winner
- 14.Azhar Khan, *Mahadev Parab, Ojaswi Ghadge, Vandana Jain, Analytical method development and validation for the estimation of drugs in marketed formulation, Conference name-

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	<p>Recent trends and Innovations in Pharmaceutical Sciences, organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 1st October 2016.</p> <p>15.*Ronak Dave, *Keyur Desai, Vanita Panda, Ojaswi Ghadge, Snehlatha Boddu, Development and validation of analytical method for the simultaneous estimation of Satranidazole and Mupirocin in a pharmaceutical dosage form, Conference name- Recent trends and Innovations in Pharmaceutical Sciences, organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 1st October 2016.</p> <p>16.*Priyanshu, Shikha, Ojaswi Ghadge, Review on Computer Aided Drug Designing, Conference name- Recent trends and Innovations in Pharmaceutical Sciences, organized by H. K. College of Pharmacy, Jogeshwari, Mumbai, on 1st October 2016.</p> <p>17.*Divya P., *Payal Verma, Ojaswi Ghadge, Melanoma and its treatment approaches, "Recent Breakthrough Innovations in Pharmaceutical Research with Future Perspectives"- H. K. College of Pharmacy, 1st Oct 2015</p> <p>18.*Ojaswi Ghadge, S. S. Mahajan, Targeting MAPK pathway for the treatment of cancer, Conference name- Translational research in oncology from benchside to bedside-10-11 sept 2015, AIKTC, Panvel- 3rd Prize Winner.</p> <p>19.*Ojaswi Ghadge, Mitali Samant, Anubha Khale, Solubility Measurement by Shake Flask Method for Tadalafil and its HPLC Analysis- conference name- APTI, Pune, 28th – 30th Nov 2014</p> <p>20.*Mitali Samant, Ojaswi Ghadge, Anubha Khale, HPLC method development and validation, Conference Name- Frontiers in Pharmaceutical Sciences and Drug Discovery Innovations, 27th September 2014, H. K. College of Pharmacy.</p> <p>21.*Ojaswi Ghadge, Anubha Khale, Applying Pharmacoeconomics in Indian Healthcare System- 64th IPC, December 2012, Chennai</p> <p>22.*Ojaswi Ghadge, Ravindra RP, 'Design and evaluation of garlic sustained release matrix tablets', IPC Ahmedabad.</p>
Research Publications	<p>1. Communicated: AQbD driven development and validation of a HPLC method for simultaneous</p>

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- estimation of Furazolidone and Metronidazole in pharmaceutical dosage form
2. Ojaswi Ghadge, Supriya Mahajan, Evaluation of synthesized heterocyclic compounds for their antimitotic activity by onion root tip assay, Asian Journal of Research in Pharmaceutical Sciences, 14(4): October - December, 2024 3.
3. Book chapter on Molecular Docking studies for Repurposing NSAIDs and Anthelmintic Compounds as potential B-Raf inhibitors, in Research in Academics, Volume 1, ACADEMIC DECIPHER PRESS, July-August 2023.
4. Gala P., Wais Md, Ghadge O., "Development and validation of UV Spectrometric method of Econazole Nitrate co-crystal loaded in gel formulation"- International Journal of Pharmaceutical Sciences and Research, December 2022 (Impact factor 1.25)
5. Manvi Kalia, L Parmar, S Pathak, P Patwa, Z Shaikh and O Ghadge, Repurposing Antimicrobial and Antifungal Agents as Potential BRAF Inhibitors, Drug Designing: Open Access, March 2022, Vol.11 Iss. 2 No:1000204, DOI: 10.35248/2169-0138.22.11.205
6. Ghadge Ojaswi, Nadar Divya, Parmar Digna and Mahajan S. S., Design, synthesis and antimicrobial evaluation of N-phenylacetyl-amido derivatives of heterocyclic compounds, European Journal of Pharmaceutical and Medical Research, 2018, 5(1), 291-298. ISSN: 2394-3211
7. Sudha Rathod Azhar Kamal Khan, Vandana Jain, Ojaswi Ghadge, Analytical Method Development and Validation for the Simultaneous Estimation of Ambroxol Hydrochloride and Guaiphenesin in Syrup Dosage form by RP-HPLC, International Journal of Pharmaceutical Research, Oct-Dec 2017, Vol-9, Issue-4, ISSN -0975-2366
8. Vedang Kinjawadekar, Snehalatha Boddu, Ojaswi Ghadge, A novel stability indicating RP-HPLC method for the simultaneous estimation of N-Acetylcysteine and Ambroxol in combined tablet dosage form, IJPSR (International Journal of Pharmaceutical Sciences and Research), 2017; Vol. 8(5): 1000-07, E-ISSN: 0975-8232; P-ISSN: 2320-5148- May, 2017

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	<ol style="list-style-type: none"> 9. Mohammed Shadab Shaikh, Vandana Jain, Ojaswi Ghadge and Sudha Rathod, Analytical method development and validation for the simultaneous estimation of Terbutaline sulphate and Guaiphenesin in tablet dosage form by RP-HPLC, Der Pharma Chemica, 2016, 8(19):70-75, ISSN 0975-413X 10. Ojaswi Ghadge, Divya N, Digna P, Melanoma and its drug targets, RJPT, 9(5): May 2016, ISSN 0974-3618 (Print), 0974-360X (Online), DOI: 10.5958/0974-360X.2016.00107.4 11. Ojaswi Ghadge, Anubha Khale, Clinical Data Management- A Career Option, Pharma Times-official monthly newsmagazine of IPA, Vol 48 No.3, March 2016, ISSN 0031-6849 12. Ojaswi Ghadge, Mitali Samant, Anubha Khale, Determination of solubility of Tadalafil by shake flask method by employing validated HPLC analytical method, WJPR, July 2015, Volume 4, Issue 7, 1370-1382. ISSN 2277 – 7105 13. Ojaswi Ghadge, Anubha Khale, Ajit Wankhede, Antibody Drug Conjugation- Future of Cancer Care- Research Journal of Pharmacy and Technology, August 2014, pg 931-937: ISSN 0974-3618 14. Ojaswi Ghadge, Anubha Khale, Ajit Wankhede, Brain Tumor and Passive Targeting, February 2014, WJPR, Volume 3, Issue 2, 1988-2002, ISSN 2277 – 7105 15. Ojaswi Ghadge, Anubha Khale, Brief Review- Pharmacoeconomics, Indian Pharmacist, November 2012, pg 29-36 16. Ojaswi Ghadge, Ravindra RP, 'Design and evaluation of garlic sustained release matrix tablets', International Journal of Pharmaceutical sciences Review and Research (IJPSRR), Volume 4, Issue 1, September – October 2010; Article 018 ISSN 0976 – 044X
Book/Chapter/ Monograph	<ul style="list-style-type: none"> • Molecular docking studies for repurposing NSAIDs and Anthelmintic compounds as potential B-Raf Inhibitors, Book Title: Research in Academics, Volume I, Publication: Academic Decipher Press April 2023
Research grant	<ul style="list-style-type: none"> • Received a Minor Research Grant from University of Mumbai of Rs 50,000/-, for the academic year 2019-20

Saraswathi Vidya Bhavan's College of Pharmacy

Recognized by AICTE & PCI, New Delhi, DTE
and Affiliated to University of Mumbai & MSBTE

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	<ul style="list-style-type: none">Received a Minor Research Grant from University of Mumbai of Rs. 30,000/-, for the year 2016-17Received a Minor Research Grant from University of Mumbai of Rs. 10,000/-, for the year 2013-14
Student Guided	<ul style="list-style-type: none">Ph.D.: NoneM. Pharm.: 7 (QA)B.Pharm.: 25