

## Dr. Ashwin Kuchekar

“Sharmada”

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### Objective

To form a firm foundation of knowledge for innovative research management and administration to become a learned pharmaceutical professional to deal with the challenges

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#### Current Position:

**Associate Professor** - Dr. Vishwanath Karad MIT World Peace University, School of Pharmacy, Pune  
07<sup>th</sup> June 2019 - till Present

#### Research and Development Experience:

- **Research Scientist** - Innovation and Development at Abbott Healthcare Pvt. Ltd. Mumbai. India  
13<sup>th</sup> Sep 2016 - 6<sup>th</sup> Jun 2019
- **Associate Scientist** - Formulation and Development - Quality by Design at Lupin Research Park, Pune. India  
18<sup>th</sup> Aug 2014 - 2<sup>nd</sup> Sep 2016
- **Project Trainee** - Formulation and Development at Piramal Health Care, Goregaon, Mumbai. India  
19<sup>th</sup> May - 30<sup>th</sup> Nov 2009
- **Project Trainee** - Formulation and Development at Nu-Life Pharmaceuticals, Pimpri, Pune. M.S. India  
19<sup>th</sup> May - 18<sup>th</sup> Jun 2006

#### Academic Experience:

- **Lecturer** - Pharmaceutics  
Progressive Education Society's, Modern College of Pharmacy (For Ladies) Moshi, Pune. India  
29<sup>th</sup> Nov 2009 - 31<sup>st</sup> Aug 2010
- **Visiting Lecturer** - Research Methodology  
G. H Rasoni Institute of Interdisciplinary Sciences, Pune. M.S. India  
1<sup>st</sup> Oct 2009 - 31<sup>st</sup> July 2010

#### Education Details:

- **Ph.D (Pharmaceutics- Pharmaceutical Sciences),**  
5<sup>th</sup> Aug 2010- 10<sup>th</sup> Sep 2015

Bharati Vidyapeeth University, Pune. India

**Guide:** Prof. Atmaram Pawar

- **Dissertation topic-** Development and Evaluation of Targeted Polymeric Micellar Drug Delivery System  
CSIR - Senior Research Fellow (SRF) - 1<sup>st</sup> Apr 2012 – 17<sup>th</sup> Aug 2014
- **Project Fellow** under University Grant Commission (UGC) Major Research Project Dry Powder Inhalers Based on Nanotechnology”  
1<sup>st</sup> June 2011- 31<sup>st</sup> March 2012
- **Master of Pharmacy (Pharmaceutics), 2009**  
R. C. Patel Institute of Pharmaceutical Education & Research Shirpur.  
North Maharashtra University, India.  
**Guide:** Dr. Surendra Gattani
- **Dissertation Topic-**Formulation and Evaluation of Chronotherapeutic Drug Delivery Systems
- **Bachelor of Pharmacy, 2007**  
Poona College of Pharmacy, Bharati Vidyapeeth University, Pune.  
Bharati Vidyapeeth Deemed University, India
- **HSC, 2003**  
Sadguru Gadge Maharaj College, Vidyanagar, Karad. Kolhapur Board, India
- **SSC, 2001**  
Holy Family Convent High School, Vidyanagar, Karad. Kolhapur Board, India

**Achievements:**

- Council of Scientific Industrial and Research (CSIR) - Senior Research Fellow (SRF) Award, (2012)
- Successfully completed the Scale Up Batches of Esgipyrim (Diclofenac) injection at Nitin life Sciences, Paonta Sahib, Dehradun.(2018)
- Successfully completed the commercial Launch of Orahex-Pro (Octenidine Hydrochloride) Mouth wash at Windlas Biotech, Dehradun. (2019)
- Member, Board of studies Pharmaceutics, Savitrybai Phule Pune University, Pune. (2019)
- Awarded as Young Scientist Award by VDGOD Professional Associations (2019)

**Certifications:**

- “Introduction to Pharmacy Practice “, Alison Courses (2020)
- “Lean Six Sigma Black Belt”, Global Skill Development council (2019)
- “Six Sigma: Understanding Design of Experiments”, Alison Courses (2018)
- “General Course on Intellectual Property”, WIPO Worldwide Academy (2009)

**Technical skills:**

- Expertise in areas like Novel Drug Delivery System, generic and branded product development.
- Development of parenterals, oral solids and liquid dosage forms.
- Co-ordinating with analytical department for preformulation and analytical method development.
- Preparation of protocols, batch manufacturing record, specifications and product development report for product launch.
- Development of Drug Delivery Technology from conceptualization to product development.
- Preparation of SOPs for documentation, equipment, and instruments.
- Preparation of guidelines and templates for formulation development activities using the quality by design approach.
- Value addition of existing product by reducing the cost, increase in yield and process modification.
- Co-ordinating in setting and designing of the parenteral and oral solid lab
- Co-ordinating with the research and development department for the review of Quality by Design (QbD) documents (initial and updated) and product development writing of solid orals and parenterals.
- Participated in technical discussion with formulation and development, developmental quality assurance and intellectual property rights departments for the kick off meetings of the products.
- Working with medical department for continuing medical education for leading doctors on formulation technology, pharmacokinetics and pharmacodynamics.
- Good hands in Design of Experiments (DOE), formulation and process optimization of new and ongoing products. (Software’s handled: *Design Expert, SAS-JMP, Statgraphics.*)

- Sound knowledge of various in vitro cell lines used in the cytotoxicity experiments and animals for in vivo anticancer experiments

#### Talks:

- Delivered a webinar as a Speaker at Gangwal Chemicals Pvt. Ltd. on “Applications of Six Sigma in Cost Cutting” on 28th April 2020.
- Delivered a lecture as Resource Person at Short Term Training Program on “Design of Experiments in New Pharmaceutical Formulation Development” sponsored by AICTE and Organized by Department of Pharmaceutics Manipal College of Pharmaceutical Sciences, Manipal University. on 22nd January 2020.
- Delivered lecture as a Resource Person on “Pharmaceutical Solid Dosage Forms” organized at J.E.S Institute of Pharmacy, Jalna on 1st September 2018.

#### Publications:

- Screening of factors using Plackett Burman Design in the preparation of capecitabine loaded nano polymeric micelles, International Journal of Pharmacy and Pharmaceutical Science. Vol 6, Issue 5, Pg. No. 489-496 (IF-1.59)
- Capecitabine loaded polymeric micelles: Formulation, characterization and cytotoxicity study, Proceedings of the International Conference on "Advanced Nanomaterials and Emerging Engineering Technologies", ICANMEET 2013, 2013, Article number 6609332, Pg. No. 412-415
- Pharmaceutical Quality by Design: A New Approach in Product Development, Research and Reviews: Journal of Pharmacy and Pharmaceutical Sciences, Volume 2, (3), July – September, 2013
- Six Sigma Process Understanding Control and capability of Ranitidine Hydrochloride Tablet, Journal of Young Pharmacists. Vol. 3 / No, 2011;3 (1): 15-25 (IF- 0.342)
- Self Microemulsifying Drug Delivery System: A Novel approach For Hydrophobic Drugs, International Journal of Pharmaceutical Sciences, Jan-Apr, 2011;3 (1): 988-1005
- Psoriasis: A comprehensive review, International Journal of Pharmacy & Life Sciences, Vol. 2, Issue 6: June: 2011, 857-877 (IF-2.798)
- Formulation and Evaluation of Optimized Oxybenzone Microsponge Gel for Topical Delivery. Journal of Drug Delivery, Volume 2015 (2015), Article ID 261068, 9 pages.

- Development of ranolazine loaded floating biomaterial gellan beads using Box-Behnken factorial design. Materials Technology 01/2015; 30(1):33-42. (IF: 1.23).
- The Future of Prescription: E-Prescription, International Journal of Community Pharmacy, Volume 4, Number 2, May-August 2011, 14-18.

#### **Workshops – Conferences:**

- “HR Perspective for Pharmaceutical Industry” two days State Level Conference, (03 and 4 January 2020) at Bhujbal Knowledge City, METs Institute of Pharmacy, Adgaon, Nashik, Maharashtra, India.
- “Blended Learning in Higher Education” workshop held at Faculty of Liberal Arts, Fine Arts, Media and Journalism, (21 -22 June 2019) at MIT World Peace university, Pune, Maharashtra, India.
- International Workshop on “Quality by Design” (July 2018), Abbott Healthcare, Pvt. Ltd. Mumbai, Maharashtra, India.
- Carbopol Polymer Workshop – Oral Formulations (7th December 2018) Lubrizol Life sciences, Mumbai, Maharashtra, India.
- Evonik seminar “Competitive Advantage for Pharma Value Chain” (14th September 2017) Evonik India Pvt. Ltd. Mumbai, Maharashtra, India.
- Corporate Seminar “Evonik- Partnering Across Pharmaceutical Value Chain”(21st September 2016) Evonik India Pvt. Ltd. Maharashtra, India.
- Certificate of participation in induction program “Udbhav” (19th – 30th August 2014) at Lupin Learning Centre, Lonavala, Maharashtra, India.
- One week Training course on “Animal Handling and Experimentation for Researcher” as per CPCSEA (12th – 18th February 2014) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.
- AICTE sponsored Quality Improvement Programme on “Recent Advances in Pharmaceutical Formulation Technology” as demonstrator (30th- 12th October 2013) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.

- State Level workshop on “Flash Chromatography” (25th October 2013) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.
- International Conference on “Advanced Nanomaterials and Emerging Technologies” (24th – 26th 2013) Sathyabama University, Chennai, India.
- National Conference on “The Innovative Research and Developments in Pharmaceutical Sciences” (7th – 8th January 2012) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.
- AICTE sponsored Quality Improvement Programme on “Global Regulatory Affairs – A Perspective” (18th – 29th December 2012) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.
- AICTE sponsored Quality Improvement Programme on “Formulation Strategies, Regulatory And IPR Issues Related to Dosage Formulation Development” (6th – 18th February 2012) Bharati Vidyapeeth Deemed University Poona College of Pharmacy, Pune, Maharashtra, India.
- Polytech-2012’: International Conference on Advance in Polymeric Materials & Nanotechnology (15<sup>th</sup> -17<sup>th</sup> December 2012) at Bharati Vidyapeeth University, Poona College of Pharmacy, Pune
- Workshop on “Intellectual Property Rights–Indian Pharmaceutical Perspective” (23<sup>rd</sup> & 24<sup>th</sup>Feb. 2010) Maharashtra Institute of Pharmacy, Kothrud, Pune.
- National level seminar on “Current Trends in Novel Drug Delivery Research” (23<sup>rd</sup> & 24<sup>th</sup> Jan. 2010) Modern College of Pharmacy, Nigdi, Pune.
- State level seminar on “Recent Trends in Novel Drug Delivery” (30<sup>th</sup> & 31<sup>st</sup> Dec. 2009) Pravara Rural College of Pharmacy, Pravaranagar, Ahmednagar.
- Workshop on “Recent Advances in Drug Development: Opportunities and Challenges” (3<sup>rd</sup> & 4<sup>th</sup> Dec. 2008) Maharashtra Institute of Pharmacy, Kothrud, Pune.
- 57<sup>th</sup> Indian Pharmaceutical Congress (2<sup>nd</sup> to 4<sup>th</sup> Dec. 2005), held at Madhapur, Hyderabad.

## Papers (Posters/Oral):

- Novel approach to treat asthma with solid lipid nanoparticles, Oral Presentation on 6th, 7th and 8th February 2020, International Conference “Recent Trends in Chemometrics:” Pune.
- Dissolution study of developed sustained release herbal tablet, International Conference on Emerging trends in Delivery of Phytoconstituents & Ethnopharmacology- Validation of Traditional Medicine held at Poona College of Pharmacy, Bharati Vidyapeeth University, Pune on 29th – 30th November 2019.
- In vitro Screening of herbal seeds extract for anticancer study, Savitribai Phule Pune University sponsored Two Days State Level Workshop on “Current Trends and Regulatory Requirements of Herbal Products” held on 7th and 8th Feb 2020 at PES’s Modern College of Pharmacy (For Ladies), Moshi, Pune.
- “Evaluation and Comparison of invitro dissolution profile for Immediate release tablets of Dabigatran Etxilate Cocrystals and marketed formulations”, National Conference on Recent Trends in Medical Coding and E-poster competition held at Modern College of Pharmacy, Nigdi, Pune, 06th March 2020
- Capecitabine loaded polymeric micelles: Formulation, Characterization and Cytotoxicity Study (Selected- Oral Presentation on 24<sup>th</sup> -27<sup>th</sup> July 2013), International Conference on Advanced Nanomaterials and Emerging Engineering Technologies, (ICANMEET-2013), Chennai; India; 24 July-26 July 2013
- National Conference on “Current trends in Novel Drug Delivery System’” at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur.
- “Applications of Modern Software’s in Drug Design” National Symposium on “Interdisciplinary Science in Pharmacy” College of Pharmacy Chopda,
- “Formulation and Evaluation of Sustained Release Aceclofenac Tablets”, National Conference on “Controlled Release Society” Mumbai.

**Extracurricular activities:**

- Coordinated National Service Scheme camp
- Coordinated State Level Cricket Tournament for 20<sup>th</sup> Pharma Cup  
Coordinated Alumni Meet 2011 at Bharati Vidyapeeth Poona College of Pharmacy, Pune

**Attributes:**

- Communicating & interacting with people
- Strong belief in sincerity, hard work & teamwork
- Optimistic approach towards life & its challenges
- Understanding, analyzing & producing a relevant solution to the problem

**Personal Details:**

Nationality : Indian  
Date of Birth : 30<sup>th</sup> Oct'1985  
Sex : Male  
Languages Fluency : English, Hindi, Marathi.  
Marital Status : Married

**References**

Dr. Atmaram Pawar, (Mobile: +91 9096800845)

Dr. Sanjay Boldhane, (Mobile: +91 9920901781)

Place: Pune

Ashwin Bhanudas Kuchekar