



# HEMALI SAVLA

M. Pharm (Pharmaceutics)

## CONTACT DETAILS



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## PERSONAL DETAILS

Date of birth: 6<sup>th</sup> January 1988

Nationality: Indian

## OBJECTIVE

To associate with a progressive organization that gives me scope to enhance my skills as per latest trends and to be a part of a team that works dynamically towards the growth of science and technology.

## ACADEMIC CREDENTIALS

### Diploma in Pharmacy (2006-2008)

Shad Adam Shaikh Polytechnic, MSBTE  
Obtained second course-wise merit rank

### Bachelor of Pharmacy (2008-2011)

Institute of Chemical Technology, University of Mumbai  
Obtained first class

### Master of Pharmacy (2012-2014)

Bombay College of Pharmacy, University of Mumbai  
**Specialization:** Pharmaceutics

**Dissertation title:** Studies on colonic flora, probiotics and drug interactions  
Obtained distinction

### Ph.D. (2018-ongoing)

Bombay College of Pharmacy, University of Mumbai  
**Specialization:** Pharmaceutics

**Dissertation title:** Macrophage receptor targeted delivery systems for improved immunization and therapy of tuberculosis

## PROFESSIONAL EXPERIENCE

### Internship (May 2011-June 2011)

One-month internship at Rubicon Research Pvt. Ltd.

### Teaching

- **Visiting Faculty (Jan 2016-April 2016)**  
Conducted practical sessions for undergraduate programme
- **Assistant Professor of Pharmaceutics (Ad-hoc) (Aug 2016-May 2019, July 2020-June 2021)**  
Conducted theory and practical sessions for undergraduate programme  
Conducted practical sessions for postgraduate programme
- **Teaching assistant in Pharmaceutics (July 2021-till present)**

### Research Project

**Funding agency:** Amrut Mody Research Fund (June 2020-May 2021)

**Project title:** Studies in the development of Novel antioxidant enzyme delivery systems for age related eye disorders.

**Principal Investigator:** Dr. Mala D. Menon

### Industry-Sponsored Projects

- **Saife VetMed Pvt. Ltd., India (Dec 2014-May 2015)**  
Sustained release thermosensitive *in situ* gelling systems for intramammary infusion were developed for dry cow therapy.
- **Infovet India Pvt. Ltd. (June 2016-Aug 2018)**  
Polymeric strips were developed that could control curdling of milk.
- **Pfizer Ltd., India (Jan 2019-April 2019)**  
Stability and antimicrobial activity of an injectable product were assessed.
- **Abbott India Ltd. (Aug 2020-May 2021)**  
The raft forming ability, neutralization properties and chemical properties were studied for the raft forming antacid suspension.

## FELLOWSHIPS

**Government of India (AICTE) Fellowship** for GPAT (Graduate Pharmacy Aptitude Test) qualified Post Graduate students from Aug 2012-July 2014.

**Amrut Mody Research Fellowship** for Ph.D. for the year 2019-2021.

## CORE COMPETENCIES

Novel formulation strategies for small and large molecules

Site- and cell-specific targeting of therapeutic moieties

Characterization of pharmaceutical dosage forms

Protein overexpression and purification

Gel electrophoresis

DNA extraction

*In vitro* cell-based bioassays

Microbiological and biotechnological techniques

Spectrophotometry

High performance liquid chromatography

Biostatistics

## PUBLICATIONS

### Technical

- Savla H. M., Menon M. D., "Influence of Gut Microbiota and Probiotics on Intestinal Permeability of Drugs" in e-Disso quarterly newsletter, April-June 2016 issue, Pg. 4-6.
- Contributed to Technical Content as a part of Associated Capsule Groups's Content Drive Programme 2020.

### International

- Agarwal V. V., Savla H. M., Pokhare A. S., Kharade U. A., Shinde U. A., Menon M. D., "Sonocrystallization as a Particle Engineering Technique for Development of Inhalable Particles of Fluticasone Propionate", Respiratory Drug Delivery Asia 2018, 187-192.
- Savla H. M., Naik I. V., Gargote C. Shashidhar N., Nair S., Menon M. D., "Physicochemical Properties of Various Alginate-based Raft-forming Antacid Products: A Comparative Study", International Journal of Basic and Clinical Pharmacology, 10(12), 2021, 1330-1341.

### Book Chapters

- Jain R. R., Savla H. M., Naik I. V., Panjabi K., Maniyar J., Vaidya S., Menon M. D., "Novel nanotechnology-based delivery systems for chemotherapy and prophylaxis of tuberculosis", Handbook on INDUSTRIAL APPLICATIONS OF ENGINEERED NANOMATERIALS, Elsevier, 2018, 587-620.
- Menon M. D., Dalby R. N., Naik I. V., Savla H. M., Kalola K. R. "Pulmonary, Nasal, and Topical Aerosol Drug Delivery Systems", In Remington – The Science and Practice of Pharmacy, Academic Press, Elsevier, 2021, 605-622.

## WORKSHOPS/TRAINING/CERTIFICATION COURSES

- Dynamics of Dissolution Testing - 2012
- QbD in Dissolution Method Development - 2016
- German language certificate course, Mumbai University (Merit 2) - 2016
- Computational Tools in the Design of Pharmaceutical Formulations (Credits awarded: 01) - 2018
- Elite Certificate (consolidated score 69%): Introduction to Biostatistics – Swayam-NPTEL online certification (8-week) course - 2018
- Elite Certificate (consolidated score 60%): Biostatistics and Design of Experiments – Swayam-NPTEL online certification (8-week) course - 2018
- From Research Investigation to Invention to Securing a Patent: What it takes to draft a Claim - 2019
- Novel Correlative Techniques using SEM, TEM and NMR - 2019
- Basics of Raman Spectroscopy - 2019
- The Data Scientist's Toolbox, Coursera (Johns Hopkins University) - 2020
- R programming, Coursera (Johns Hopkins University) - 2020
- Getting and Cleaning Data, Coursera (Johns Hopkins University) - 2020
- Exploratory Data Analysis, Coursera (Johns Hopkins University) - 2020
- Reproducible Research, Coursera (Johns Hopkins University) - 2020
- Website Development using Wordpress, Coursera (Coursera Project Network) - 2020
- Writing in the Sciences, Coursera (Stanford University) - 2020

## COMPUTER SKILLS

Sound knowledge of Windows operating system and familiar with MS Office.

## SOFT SKILLS

Good communication skills

Quick learner

Self-motivated

Team player

## PRESENTATIONS

### Oral Presentations

- Hemali M. Savla, Amit D. Arkad, Anamika N. Deshmukh, Mala D. Menon, "Mucosal Immunization for Dental Caries – A feasibility Study" in Young Researchers Forum at the 8th Indo Global Summit & Expo on "Vaccines, Therapeutics & Healthcare" organized by Omics International in 2015.
- Hemali M. Savla, Mohit R. Mehta, Rajesh R. Jain, M. Gautam, S. Gairola, A.S. Bannaliker, Mala D. Menon, "Antigen-Loaded Microparticles as Novel Mucosal Vaccine Delivery Systems against Airborne Pathogens" in Academic Innovation Session at International Conference "Novel Formulation Strategies 2017" organized by Selectbio in 2017.
- Savla H.M., Samad A., Menon M. D., "Strategies for Improvement of Shelf-life of Milk" at TechShow 2019, organized by V.E.S. College of Pharmacy, Mumbai, in 2019.

### Poster Presentations

- Hemali M. Savla, Shruti A. Hazare and Mala D. Menon, "In vitro Permeation Studies of *In situ* Gelling Systems of Catalase using Rabbit Cornea" at Disso Asia 2014 International Annual Symposium, organized by Society for Pharmaceutical Dissolution Sciences in 2014.
- Hemali M. Savla and Mala D. Menon, "*In vitro* Assessment of Modulation of Intestinal Permeability of Oral Anti-diabetic Drugs by Probiotics" at Eighth International Annual Conference on "Translational Clinical Pharmacology Research in Drug Development" organized by South Asian Chapter of American College of Clinical Pharmacology in 2015.
- Hemali Savla, Rajesh Jain, Mala D. Menon, "Comparison of Pharmacokinetics of Moxifloxacin Liposomal Formulations after Oral and Inhalation Delivery: An Approach to Targeted Delivery" at "Disso India-Mumbai 2017" organized by Society of Pharmaceutical Dissolution Science in 2017.
- Agarwal V. V., Savla H. M., Pokhare A. S., Kharade U. A., Shinde U. A., Menon M. D., "Sonocrystallization as a Particle Engineering Technique for Development of Inhalable Particles of Fluticasone Propionate" at International Conference "Respiratory Drug Delivery Asia 2018" organized jointly by RDD online and APTAR Pharma in 2018.
- Savla H.M., Pithawala A. D., Alshi P. S., Samad A., Menon M. D., "*In vitro* Release Assessment of Thermoresponsive Intramammary *In Situ* Gelling Systems of Cephalixin Monohydrate for Dry Cow Therapy" at International Annual Symposium "Disso India - Chandigarh 2019" organized by Society of Pharmaceutical Dissolution Science in 2019.

## CONFERENCES/SEMINARS ATTENDED

- "Probiotics – From Bench to Community" Symposium organized by Yakult India Microbiota and Probiotic Science Foundation in March 2015.
- One-day Seminar on 'A step towards Quality by Design' organized by ACG TechnoVersity at Scitech Centre, Mumbai in September 2015
- One-day seminar on "Dry Powder Inhalation: Formulation, Technology and Devices" organized by Signet Chemical Corporation Pvt. Ltd. In association with Meggle Pharma in March 2016.
- Three-day International Conference "RDD Asia 2016" organized jointly by RDD Online and Aptar Pharma in November 2016.
- One-day seminar on "Particle Size Analysis" organized by Sympatec in collaboration with Bombay College of Pharmacy in January 2018.
- One-day seminar on "Inhalation Insights India 2019" organized by Signet Chemical Corporation Pvt. Ltd. In association with Meggle Pharma in September 2019.
- One-day seminar on "Innovations and Challenges in Analytical Techniques in Day-To-Day Pharma Industry" by Phenomenex-India in September 2019.

## LANGUAGES

English

Gujarati

Hindi

Marathi

German

## INTERESTS

Reading

Painting

Music

Travel

## AWARDS

- **First Prize for Poster Presentation:** Savla H.M., Kalola K.R., Sontakke P.U., Chavan S., Menon M. D., “Antioxidant-Based Novel *In Situ* Gelling Systems for Amelioration of Age-Related Macular Degeneration” at International Conference on “Nanotechnology and Its Application to Ocular Drug Delivery Systems”.
- **First Prize for Oral Presentation:** Savla H.M., Pawar J., Chavan S., Menon M. D., “Antioxidant-Based Novel *In Situ* Gelling Systems for Amelioration of Age-Related Macular Degeneration” at International Conference on “Novel Formulations Strategies 2019”.
- **All India Semifinalist from West Zone for Oral Presentation (Co-author):** Pendhari Juber, Singh Deepak, Savla Hemali, Menon M. D., “In-vitro release studies for optimization of inhalable HPMC microspheres of Fluticasone propionate” at Disso Research Presentation India- 2020 Online.

## EXTRA-CURRICULAR ACHIEVEMENTS

### Technical

- Secured 2nd position in ‘Pharmacodynamics- The Pharma IDP’ in the inter-college technical festival ‘Exergy-2011’, organized by ICT, Mumbai.
- Secured 2nd position in ‘Pharmaphilic’ in ‘Exergy-2011’ organized by ICT, Mumbai.
- Secured 1st position in ‘Pharmacollagy’ in ‘Exergy-2011’ organized by ICT, Mumbai.

### Cultural

- Runner up certificate in Dance at ‘Yuvam 2011’, an annual festival of ICT, Mumbai.
- First Prize in Cooking without Fire competition in Resonance 2020, an annual festival of Bombay College of Pharmacy, Mumbai.

### Sports

- Won 2nd prize in ‘Chess Competition’ held at Shad Adam Shaikh Polytechnic, Bhiwandi, in 2008

## REFERENCE

- **Dr. Mala Menon**  
Adjunct Professor of Pharmaceutics,  
Bombay college of Pharmacy, Mumbai.  
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