

Research Experience:

- Currently in PhD working on a project which involves intricate study of **biophysical properties** of **Sickled Cell RBC**, further formulating nanophytomedicine from traditional herbals for reducing the sickling property of the Sickled cell RBC under the able *guidance* of **Dr.Mrs Vandana Patravale**
- Previously Carried out project in M.Pharm under the guidance of Dr.(Mrs.) S.R. Kulkarni.
- Project title: Extraction and evaluation of lectins from plant sources.
- Objective of the project: To extract from plant sources and evaluate and confirm its presence by gel electrophoresis, the lectins were screened for its antimicrobial activity against opportunistic organisms.

Work Experience

- ✓ One month training in Formulation and Analytical Department at Sun Pharmaceutical Industries Limited., Andheri, Mumbai - June 2008.
- ✓ Assisted in conducting undergraduate Practicals⁷ in Pharmacognosy & Phytochemistry practical for a period of Nine months from July 2010 to April 2011.

Cirriculum Vittae

Contact details: Lab A261, First Floor, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Mumbai 400019.

ACADEMIC RECORD

Year of Completion	Course	Institute	Board/University	Class
December 2012	PhD Credit Course	Institute of Chemcial Technology	Deemed University	First Class
June 2011	M. Pharmacy (Pharmacology & Phytochemistry)	Bombay College of Pharmacy	University of Mumbai	First class (1 st year)
June 2009	B. Pharmacy	Bombay College of Pharmacy	University of Mumbai	First Class
April 2004	12 th	Sathaye College, Vile Parle.	H.S.C	Second Class
April 2002	10 th	Bombay Cambridge School, Andheri (W)	S.S.C	Distinction

ACHIEVEMENTS

- Qualified GATE (Graduate Aptitude Test in Engineering), 2009 with 93.78 percentile score held by IIT, Roorkee.

SKILLS

- Phytochemical extraction and evaluation.
- Practical knowledge and handling of instruments like *U.V spectrophotometer* (Jasco), *Dissolution and Disintegration apparatus* (USP), and *Gel electrophoresis instrument* (Banglore Genei and Bio-rad), *Gel doc instrument* (Bio rad).
- Super critical fluid extraction instrument (supercritical technologies and Thar instruments)
- Underwent training on CAMAG HPTLC system at Anchrom, January 2011.
- Thorough understanding and practical knowledge in articulating the formulation involved lipid based system.
- Keen interest and uncanny understanding of nanophytomedicine, its extraction and formulation.
- Practical experience in *in vitro* evaluation of antimicrobials for its antimicrobial activity.
- Strong working knowledge of anatomy, physiology, disease states, medical treatments and procedures, medication names and drug therapy as well as thorough familiarity with medical terminology.
- Strong communication assets with clarity of concepts and ability to articulate the ideas.
- Strong written and verbal language skills.
- Strong presentation skills.

PRESENTATIONS AND DEMONSTRATIONS

- Have presented seminar on **Antifungals** in the *third year B.Pharm (2008)* as a part of the curriculum.
- Presentation of **Antidiabetic activity of Lectins** in the *First year M.Pharm (2010)* as a part of the curriculum.
- Given Demonstration for the **Gel electrophoresis** along with its complete **analysis and doc** as a part of *QIP-Staff Development Program (2011)* under taken by AICTE.
- Given Demonstration for the **Super Critical Fluid Extraction** method as a part of *QIP-Staff Development Program (2011)* under taken by AICTE.

- Given demonstration for the **USP4** (flow through dissolution apparatus), **Automated Disintegration Apparatus, USP 1 and 2** (Basket and Paddle dissolution apparatuses); **manual, semi-automatic and fully automatic Hardness tester** as part of *Sotax Team* in *CPHI-PMEC (2011)*.

POSTER PRESENTATION AWARDS:

1. **2nd Prize** for the poster as presenter “Solid lipid nanoparticles of Arteether/Ellagic acid: A novel combination therapy for treatment of malaria.” South Asian Chapter, May 2013.
2. **Best Poster Award** for the poster as contributing author “Super Critical extraction method optimization of Seabuckthorn (SBT) berry oil B.O: Exploiting its role in anti-ageing,” Pharmacognosy, Phytochemistry& Natural Products. October 21st-23rd, Raddison Blu Plaza, Hyderabad.
3. **2nd Prize** for the poster as contributing author Design Expert: An integration of software solution for nanoformulation experimentations, National Seminar on “ Software in Drug Discovery and Development held on 21st-22nd January 2014, Kolhapur

POSTER PRESENTATION:

1. Seabuckthorn berry Oil and Co-Enzyme Q-10: A Supplement Duo against photoaging Auradha Pol1, Namrata Kadwadkar1, Amit Mirani1 ,R.Singhal 2 and V.B. Patravale 1 Omics group of conferences,Pharmacognosy, Phytochemistry& Natural products, Blu Raddison Plaza, Hyderabad, October 2013.
2. Ellagic acid loaded PLGA Vs pH sensitive nanoparticles: A therapy for inflammatory bowel disease. Dalapathi Gugulothu, Namrata Kadwadkar, Parth Joshi, Vandana Patravale, Workshop On Advances In Biomaterials And Nanobiotechnology (Ict Nano-Bio 2013,Mumbai, November 2013

EXTRA CURRICULAR

- Was member of the Student’s Council as the **Treasurer** in B.Pharm at Bombay College of Pharmacy, Kalina, 2006-2007.
- **SPORTS:** Secured 2nd prize in throw ball game in 2007, 1st prize in the same game in 2008 and 2009 and 3rd prize in the same game in 2011. Secured 2nd Prize in Box Cricket in 2011. Have been a part of IPA throw ball and box cricket.
- **CULTURAL:** Secured 2nd Prize in Group dance in 2008 being the choreographer and lead dancer, once again secured 2nd prize in Group dance in 2011 being the choreographer and lead dancer. Won the First Prize in IPA-Rx Inter collegiate Dance competition in year 2007, also secured the best performance prize in the same competition in year 2008. Have won the first prize in Ad-Mad competition in years 2008, 2009.Have won the first prize for Group play and Ad-Mad in year 2010, 2011. Also have participated in various college and intercollegiate arts competition.

➤ **PHARMA WORLD: Novartis India**, a world leader in the research and development of products to protect and improve health and well-being, organised three-day Novartis **Biotechnology Leadership Camp** (BioCamp) from July 8 to 10, 2013 in Hyderabad. **BioCamp** is a pioneering seminar which brought 48 talented students from diverse faculties and different universities closer to the pharmaceutical industry. Ranjit Shahani, vice chairman and managing director, Novartis India Limited said, “BioCamp is a great platform for intelligent, young minds to interact with leaders in the pharmaceutical industry. This three day seminar provides students the opportunity to look closer at the pharmaceutical industry and helps them make career choices. Healthcare is a challenging area in our country and BioCamp reflects the Novartis commitment to furthering the cause of healthcare.” ***Was selected amongst the 48 talented students, across India!***

CAREER INTERESTS:

To impart the PHARMA knowledge inculcated in me through Teaching. Utilize my Research Skills in Research and Development where an inception can be converted to completion in the field of Pharmaceutical sciences. I have an affinity for the plants and I value them for all their Phytoconstituents which have been a source of cure to the mankind; hence I have a keen interest in its formulation & evaluation.

Namrata A. Kadwadkar