



# AISSMS

## COLLEGE OF PHARMACY

IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



Approved by AICTE & PCI New Delhi, Recognized by the Government of Maharashtra,  
2F, 12B recognition by UGC, Affiliated to Savitribai Phule Pune University  
**Accredited by NAAC with A Grade**

**Name:** Mrs. Amruta N. Avalaskar

**Designation:** Assistant Professor

**Qualifications :** M. Pharm (Pharmacognosy)

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### PROFESSIONAL EXPERIENCE:

1. Working as Assistant Professor from 20 July 2009 at AISSMS College of Pharmacy, Pune-411001
2. Worked as a Lecturer in Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute Karjat, (Mumbai University), for the academic session 2008-2009.
3. Worked as a Lecturer in Pharmacognosy at J. L. Chaturvedi College of Pharmacy, New Nandanvan, Nagpur-09 (Nagpur University), for the academic session 2007-2008.

### TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 11.5 yrs.

### AREAS OF INTEREST:

Development of herbal formulations based on ethanopharmacological literature  
Analytical study of plant extracts with respect to isolation, TLC and HPTLC

### PROFESSIONAL AFFILIATIONS:

- ❖ Registered Member: Maharashtra State Pharmacy Council
- ❖ Life Member: Association of Pharmacy Teachers of India

### **PROJECTS HANDLED/GRANTS RECEIVED:**

- ❖ No. of Inhouse Projects: 12
- ❖ No. of Funded Research Projects (University/Industry): 02
- ❖ Amount of Research Grant Received: 4.2 Lakh

### **INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:**

- ❖ Working as Medicinal Plant garden and Pharmacognosy lab Incharge.
- ❖ Working as member steering committee NAAC.
- ❖ Working as member Grievance Redressal Cell.
- ❖ Working as member Library advisory committee.
- ❖ Working as IAEC committee member 2016-17
- ❖ Worked with Exam section as internal senior supervisor from April 2014-Dec 2016.
- ❖ Worked as a coordinator for SPPU sponsored state level seminar entitled “Isolation techniques and Pharmacological Screening of Phytochemicals”, held in Oct 2014
- ❖ Worked as a coordinator for SPPU sponsored state level seminar entitled “Role of Medicinal Chemist and Phytochemist in Drug Discovery”, held in Feb 2016
- ❖ Worked as Co-coordinator during NBA inspections
- ❖ Worked as member library committee

### **AWARDS/ACHIEVEMENT/MEDALS:**

- ❖ Cleared GATE examination with 95.28 percentile
- ❖ Recipient of AICTE Scholarship during M. Pharm. Course.
- ❖ Felicitation by the hands of Mayor of Pune Mrs.Mukta Tilak for contribution in the field of education.

### **PUBLICATIONS:**

- ❖ REVIEWS: 01
- ❖ NATIONAL RESEARCH PUBLICATIONS: 03
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 13
- ❖ H index - 3
- ❖ i10 Index -1
- ❖ No of Citations - 32

### **\*REVIEW PUBLICATIONS\***

1. "Systematic Review on Emerging Need for Toxicity Testing of Herbal Drugs : A Review" , Inventi Rapid Molecular Pharmacology vol-2011.

### **\*NATIONAL RESEARCH PUBLICATIONS\***

1. "Anxiolytic Activity of *Annona squamosa* Leaf Extracts in Mice", Indian Journal of Pharmaceutical Education & Research Jan-Mar 2009
2. "Pharmacological standardization of Triphala guggul tablets - a polyherbal formulation", J. Res. Educ. Indian Med., April - June, 2008
3. "Evaluation of Anti-Inflammatory Activity of ethanolic extract of *Sesbania grandiflora*" Indian Journal of Natural Products, Sept 2011, Vol 27 pg 22.

### **\*INTERNATIONAL RESEARCH PUBLICATIONS\***

1. "Determination of polyphenol contents and free radical scavenging activity of successive extract of *Flemingia strobilifera*", International Journal of Advanced Pharmacology and Toxicology 2009.
2. Studies on *in vitro* antioxidant activity of ethanolic extract of *Ecbolium linneanum* kurz. (Acanthaceae), *Pharmacologyonline* 2: 79-84 (2010)
3. Phytochemical and TLC Studies of Ethanolic Extract of *Sesbania grandiflora* (Fabaceae), International Journal of Pharm Tech Research, Vol.3, No.3, pp 1346-1349, July-Sept 2011.
4. Pharmacognostic and Phytochemical Evaluation of Roots of *Ichnocarpus frutescens* R.Br. (Family: Apocynaceae), Research Journal of Pharmaceutical, Biological and Chemical Sciences, July – September 2011, Volume 2 Issue 3.
5. Pharmacognostic and Phytochemical Evaluation of Roots of *Atlantia monophylla* DC (Family: Rutaceae), Journal of Pharmacy Research, September 2011.
6. "Pharmacognostical Evaluation of *Annona squamosa* Linn.," International Journal of Phytomedicine 3 (2011) 480-485.
7. Phytochemical and HPTLC Studies of Various Extracts of *Annona squamosa* (Annonaceae), International Journal of PharmTech Research, Vol.4, No.1, pp 364-368, Jan-Mar 2012.
8. "Natural Excipients" , Research Journal of Pharmaceutical, Biological and Chemical Sciences, April-June 2013, RJPBCS Volume 4 Issue 2 Page No. 1346
9. "Development of HPTLC method for estimation of piperine, guggulsterone E and Z in polyherbal formulation", Pharmacognosy Journal, Pharmacognosy Journal 5 (2013) 259-264.

10. "A Comprehensive Review On Annonaceae Family", Int J Adv Pharm Biol Sci Vol.4, Issue 2, 25-33
11. **Phytochemical Investigation and antimicrobial Activity Testing of *Phyllanthus fraternus* leaves Webster**, International Journal of Pharmacognosy and Phytochemical Research 2014; 6(3); 444-448.
12. Formulation and evaluation of Oral herbal granules for Asthma, International Journal of Pharma Sciences and Research (IJPSR), Oct 2016, Vol 7, 382-389.
13. Formulation and evaluation of Adhulsa lozenges for pediatric patients, Journal of Drug Delivery & Therapeutics. 2019; 9(2-s):115-117

## **PRESENTATIONS:**

As an Author: 13

### **❖ As an Author:**

1. Review article on "Plastic Litters and Health Hazards" at POLYVISION 2003 held at Laxminarayan Institute of Technology, Nagpur.
2. Poster presentation on "Review of Medicinal Plants with Antihyperlipidemic Potential" at the 10<sup>th</sup> APTI National Convnetion-2005, Nagpur.
3. Poster presentation on "Current Approaches in Development of Herbal Formulations" at National Symposium on "CURRENT TRENDS IN DRUG DESIGNING" held at Sharad Pawar College of Pharmacy, Nagpur.
4. Poster Presentation on "Pharmacognostic and Preliminary Phytochemical screening of *Ecbolium linneanum* Kurz" at National Conference on "Emerging Trends in Medicinal Plants and their Biotechnological Advances" held by Department of Botany, Dr.Ambedkar College, Nagpur.
5. Poster Presentation "Anti-inflammatory activity of Ethanolic extract of *Sesbania grandiflora* (Fabaceae)" at 59<sup>th</sup> IPC at Varanasi, December 2007.
6. Poster presentation on "Plants Used in Neurological Disorders -A Review", at the International conference on Neuropeptides, at Department of Pharmaceutical Sciences Nagpur.
7. Poster presentation on "Evaluation of anti –inflammatory activity of ethanolic extract of *Ecbolium linneanum* Kurz" at Bhor Pune.
8. Development and evaluation of oral dispersible tablets of *Sesbania grandiflora* for inflammatory disorders, AVISHKAR 2013, Zonal level.
9. Development and evaluation of oral dispersible tablets of *Sesbania grandiflora* for inflammatory disorders, AVISHKAR 2013, University level.

10. Formulation and Evaluation of a Novel Herbal Formulation for Asthmatic Disorders, 2<sup>nd</sup> International Conference On Herbal And Synthetic Drug Studies (HSDS-2014)

11. Novel herbal formulation in the management of asthma in pediatric and geriatric patients, 19<sup>th</sup> annual national convention of association of pharmaceutical teachers of India, Pune.

12. Formulation and evaluation of antifatulent gel for infants, AVISHKAR 2016, Zonal level.

13. Novel herbal formulation in the management of asthma in paediatric and geriatric patients, 19<sup>th</sup> annual national convention of association of pharmaceutical teachers of India, Pune.

### **CONFERENCES/ SYMPOSIUMS/CONVENTIONS ATTENDED:**

1. Attended two day national seminar on “HIV-AIDS , Global perspective” at JL Chaturvedi College of Pharmacy Nagpur
2. Attended one day seminar on Chromatographic techniques in evaluation of Phytochemicals” at MMM College of Pharmacy, Kharadi, Pune.
3. One Day IPA Model Lecture Series in Pharmacognosy at Indira College of Pharmacy, Tathawade, Pune.
4. Practical demonstration of basic techniques in molecular biology, at Dr D.Y.Patil Institute of Pharmaceutical science and Research Pimpri Pune 01
5. Isolation techniques and phytochemical screening of phytochemicals, at AISSMS College of Pharmacy Pune -01
6. QbD in formulation development, at AISSMS College of Pharmacy Pune -01
7. Role of Medicinal Chemist and Phytochemist in Drug Discovery at AISSMS College of Pharmacy Pune -01
8. Strategies for Empowerment of Women Associated with the Healthcare Profession, organized by APTICON 2016( Womens Forum) and Allana College of Pharmacy , Pune.
9. Insights of accreditation for Private institutes, at AISSMS College of Pharmacy Pune -01

**Mrs. Amruta N. Avalaskar**