

Faculty Profile



Name: Dr. Archana Naik

Qualification: M. Pharm. , Ph.D.

Designation: Assostant Professor

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Ph.D.	Pharmacognosy and Phytochemistry, University of Mumbai
M.Pharm. Specilization & University	Pharmaceutical Analysis, University of Mumbai
B. Pharm. University	SGB Amravati University
Experience	<u>Academics</u> : 14 years <u>Industry</u> : 1 Year
Projects handled	<ol style="list-style-type: none"> 1. "Evaluation of Mediinal and Cosmetic utilities of Nyctanthes arbor-tristis -A substitute for saffron" sanctioned by National Medicinal Plant Board (NMPB), Dept. of Ayush, Government of India. 2. Studies on utility profiles of some phytoconstituents as cosmeceuticals. 3. "Studies on utility profiles of Carotenoid as Cosmeceutical and enhancement of stability through preparation of phytosomes" 4. Development and validation of bioanalytical method for estimation of phytoconstituents in biological matrix and its application in Pharmacokinetic studies. 5. Development and Validation of an analytical method for drug in biological fluid and other matrix.
Institutional and Administrative responsibilities	H.O.D., (Pharmachemistry Department) Approved as Research Guide (Oct 2013) by University of Mumbai for PhD course and Quality Assurance

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<p>Professional Affiliations/ Membership</p>	<ul style="list-style-type: none"> Registered pharmacist, Pharmacy Council of India Member of Association of Pharmaceutical Teachers of India Recognized PG Guide and PhD of University of Mumbai
<p>Achievements</p>	<ul style="list-style-type: none"> Received silver medal for the project guided at 14th State level Avishkar Research convention, for research project entitled “Artificial Rain and Effluent treatment via CO₂ Carrier” on Jan 2020 Third Best Poster Award for the poster entitled “Crocic acid from <i>Nyctanthes arbor-tristis</i> (Oleaceae): Enhancement of stability and Effect on Collagen type 1 and Elastin gene” at XXII International Conference “PhytoPharm 2018” held at Horgen, Switzerland First prize at District level Avishkar competition for the poster entitled “A Novel and Economical topical herbal formulation of carotenoids to combat ageing” at 12th State level Avishkar Research Convention, Mumbai University in 2017 AICTE- fellowship during M. Pharmacy. AICTE 2006-08 Qualified Graduate Aptitude Test in Engineering (GATE). IIT ,Kharapur 2006
<p>Core competency Areas</p>	<ul style="list-style-type: none"> Analytical and bioanalytical method validation, bioavailability studies, Phytochemistry, Cosmeceuticals preparation and efficacy studies.
<p>Poster/ Oral Presentations</p>	<ol style="list-style-type: none"> Archana Naik and Shweta Joshi Presented 2 poster presentations entitled “Analytical method development for simultaneous estimation of herbal drugs and its application for standardization of extract” and “Bioanalytical method development for simultaneous estimation of herbal drugs and its application for Pharmacokinetic studies” at 22nd International Congress of International Society for Ethnopharmacology (ISE) & 10th International Congress of the Society for Ethnopharmacology (SFE), February 24-26, 2023 Imphal, Manipur, India. Onika Patle , Archana Naik Poster presentation on ‘Formulation and evaluation of herbal

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antiaging and sunscreen formulation”, at 72nd Indian Pharmaceutical Congress, Nagpur

on 20th to 22nd January 2023.,

3. Harshala Bhere, Archana N, Presented poster presentation entitled "Determination of

Bioavailability and Pharmacokinetic Parameters for Formulation Containing Lignan

Rich Extract of *Linum usitatissimum*” at 9th International Congress of the Society for

Ethnopharmacology 2022 April 22nd to 24th 2022(SFEC 2022)

4. Dimple C , archana N Presented poster presentation entitled " "Citrus medica:

standardization and its use as antiurolithiasis” at 8th International Congress of the

Society for Ethnopharmacology-India (SFEC 2021) , 27th -29th August, 2021.

5. Presented poster presentation entitled " Parijat: Saffron of Common Man Preparation of

stable cost effective and bioactive formulation " at Women Scientists and Entrepreneurs

Conclave- 6th India International Science Festival IISF 2020 organized by the Ministry

of Science and Technology, Ministry of Earth Sciences & Vijnana Bharati (VIBHA)

from 22nd to 25th December 2020 in New Delhi through virtual mode and hosted by the

Council of Scientific and Industrial Research- National Institute of Science, Technology

and Development Studies (NISTADS).

6. Presented poster presentation entitled "Bioanalytical method development for

simultaneous estimation of herbal drugs" at 7th International Congress of the Society for

Ethnopharmacology, India (SFEC 2020) held at Jamia Hamdard, New Delhi, India on

February 15-17, 2020.

Presented THREE papers at XXII International Congress “Phytopharm 2018”, held at

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Horgen, Swizerland , during June 25-27, 2018
entitled

7. Crocin from *Nyctanthes arbor-tristis* (Oleaceae):
Enhancement of stability and Effect

on Collagen type 1 and Elastin gene.

8. Genetic level Evaluation of novel, topical herbal
formulation: an economic substitute to

formulation of saffron.

9. Lutein from *Tagetes patula*: Enhancement of
stability and Effect on COL type I and

elastin gene.

10. Presented oral as well as poster presentation for
the paper entitled "A Novel and

Economical topical herbal formulation of
carotenoids to combat ageing " at 12th State

level Avishkar Research Convention held at Rahuri
KrushiVidyapeeth, Ahmednagar

during 14th -17th January 2018.

11. Presented poster presentation and secured first
prize for the poster entitled "Crocin

from *Nyctanthes arbortristis* an economic
substitute to saffron and Lutein from *Tagetes*

patula upregulate Col type-I and elastin gene to
improve skin health" at the final round of

12th Avishkar Research convention 2017-18, held
at Bhanuben Nanavati College of

Pharmacy, Mumbai on 18th December 2017.

12. Represented Mumbai University by Presenting
poster on "Standardization of

Kantakari Kulp- An Ayurvedic Formulation" in Inter
University Research Convention

'AVISHKAR 2012'

13. Presented a poster on paper entitled "validated
stability indicating RP-HPLC method

for Cefdinir in bulk form" at international
conference on drug discovery and

nanotechnology, Nanded.2008.

14. Presented a poster on paper entitled
"Development and validation of RP-HPLC

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	<p>method for estimation of Cefdinir and its application to marketed formulation.” At 59th I.P.C conference Varanasi. 2007.</p>
<p>Research Publications</p>	<ol style="list-style-type: none"> 1. Evaluation of In Vitro and In Silico Anti-Alzheimer potential of ethanolic extract of <i>Nyctanthes arbor-tristis</i> flowers; Eur. Chem. Bull. 12(Special Issue 4), 1589- 1602; 2023 European Chemical Bulletin 2. Formulation containing Phytosomes of Carotenoids from <i>Nyctanthes arbor-tristis</i> and <i>Tagetes patula</i> protect D-galactose induced skin aging in mice. Clinical Complementary Medicine and Pharmacology Vol 3, Issue 1 1-12 2023 Elsevier 3. Bioavailability and Pharmacokinetic parameters of Formulation containing Secoisolariciresinol Diglucoside (SDG) Polymer rich extract obtained from seeds of <i>Linum usitatissimum</i> L." Brazilian Journal of Pharmacognosy Springer Journals 1-8 January 2023; 3.9 Springer Nature 4. Pharmacokinetic Profile and Oral Bioavailability of Diosgenin, Charantin, And Hydroxychalcone From a Polyherbal Formulation Frontiers in Pharmacology; IF 4.4 Vol 12 Article; 629272 ; 1-12 29; April 2021; Frontiers Media S A 5.51 5. ‘Evaluation of Gene Expression and In Vitro Enzyme Study for Antiaging Effect of Crocin and Lutein’; The Natural Products Journal, IF 1.2; Volume ; 10, Number 5595-604; October 2020; Bentham Science 1.3 6. Orange colored tubular calyx of <i>Nyctanthes arbor-tristis</i> – A substitute to saffron; Journal of PharmaSciTech, 5(2) 102-104; 2016; TRINITY TRUST 7. Standardization, Optimization of Formulation and In-vitro Evaluation of Anti-urolithiasis Activity of <i>Citrus medica</i> Extract Journal of Drug Design and Medicinal Chemistry Volume 8, Issue 334-40 September 2022; Science Publishing group; 0.9 8. Development and optimization of fluconazole loaded microsponges in transungual patch for onychomycosis World Journal of Pharmacy And Pharmaceutical Sciences 2.3; Volume 11, Issue 9, 892-909; 2022 WJPPS, India 3 9. Preliminary screening of diuretic activity of <i>Triumfetta rhomboidea</i> Jacq leaves extracts in rats Research Journal of Pharmaceutical, Biological and Chemical Sciences 0.1 1 (3) 469-473; 2010 RJPBCS, India 0.1 10. Formulation Containing Phytosomes of Crocin Rich Extract from <i>Nyctanthes arbor-tristis</i> and Petroselinic Acid from <i>Coriandrum sativum</i> seeds Exhibits Sunscreen and Moisturizing Effects Current Cosmetic Science In Process

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	Bentham Science Publishers New journal
Patents	On Topical compositions comprising herbal phytosomes Published in 2018
Research grant	<ul style="list-style-type: none">• Minor research project grant (Rs. 50,000/-) Standardization of herbal formulations by HPTLC and evaluation of Pharmacological activity Mumbai University 2018-19• Minor research project grant (Rs. 28,000/-) Studies on utility profiles of Carotenoid as cosmeceutical and enhancement of stability through preparation of phytosomes. Mumbai University 2014-15• Minor research project grant (Rs. 20,000/-) Phytochemical investigation of Volatile oil present in calyx of Nyctanthes arbortristis (Oleaceae) Mumbai University 2011-12
Student Guided	<ul style="list-style-type: none">• M. Pharm.: 4 (QA)• B. Pharm.: 17