

## S.V.B Pharmacy Faculty



**Dr. ( Ms ). CHHAYA GADGOLI**

<b>Designation</b>	Professor, HOD Pharmacognosy and Phytochemistry
<b>Qualification</b>	M. Pharm; Ph. D
<b>Ph. D</b>	1996
<b>M. Pharm Academic Year</b>	1991
<b>Institution</b>	Pharmacy Department, M. S. University of Baroda
<b>B. Pharm Academic Year</b>	1988
<b>Institution</b>	Prin. K. M. Kundnani College of Pharmacy
<b>Experience</b>	23 years of Teaching, 3 years of Research, 1 year of Industry.
<b>Awards and Recognition</b>	<ol style="list-style-type: none"><li>1. Awarded National Merit Scholarship for the recognition of high position in the list of Meritorious candidates qualifying for the awards in Maharashtra.</li><li>2. Receipt of Scholarship awarded by the Government of India for 18 months (September 1998 to February 1999) during M. Pharm. Sci. Course.</li><li>3. Recipient of Senior Research Fellowship awarded by The Council of Scientific and Industrial Research (CSIR) for two years (March 1993 – March 1995).</li><li>4. Recipient of Alumni Achiever's Award , conferred by the Principal, Staff and the Management of Hyderabad Sind National Collegiate Board on February 3, 2003</li><li>5. Recipient of IRF Overseas Travel Grant of Rs. 50,000/- towards attending and</li></ol>

	<p>presenting two research papers in Annual Meet and Convention of American Association of Pharmaceutical Scientists held at San Antonio, Texas, USA on October 29- November 2, 2006. BY Indian Pharmaceutical Association</p> <ol style="list-style-type: none"> <li>6. Received Travel Grant (Rs. 1,00,000/-) from All India Council for Technical Education (AICTE) for presenting papers in PHYTOPHARM -2011 , organized in Nuremberg, Germany from July 25-27, 2011.</li> <li>7. The innovation entitled, "Herbal Lipsticks" is listed in top 10 innovations in the India Innovation Initiative National Fair – i3 organized by CII, DST and Agilent Technologies on November 22, 2010.</li> <li>8. Received Silver Medal in Avishkar 2012 – a state level research convention for the project "Antiangiogenic Effects of Carotenoids from <i>Nyctanthes arbor-tristis</i>" held at Shivaji University, Kolhapur, on January 14, 2012</li> <li>9. Awarded National Level The Best Innovative Thesis Award at the competition R V Patel M. Pharm. Thesis Competition 2012 – 2013, for the thesis entitled "Studies on Naphthaquinone Derivatives as Phytopharmaceuticals".</li> <li>10. Was invited as Evaluator for Poster Session in 68th Indian Pharmaceutical Congress, held at Vishakhapatnam during December 16-18, 2016.</li> <li>11. Was awarded "Best Professor in Pharmacognosy" by National Education Awards 2017 ABP news on July 6, 2017.</li> <li>12. Third Best Poster for the poster in XXII International Congress Phytopharm 2018, held at Horgen , Switzerland during June 25-27, 2018.</li> <li>13. Recipient of International Travel Grant OF rS. 95000/- by AICTE to attend the XXII International Congress Phytopharm 2018, held at Horgen , Switzerland during June 25-27, 2018.</li> <li>14. Awarded Certificate of merit for oral presentation &amp; Poster presentation by my student Ms. Ruchira Salunkhe at 7th International Congress of Society for Ethnopharmacology, New Delhi on 17th Feb 2020.</li> </ol>
<p>Research Publications</p>	<ol style="list-style-type: none"> <li>1. <b>Chhaya Gadgoli</b> and C.I.Jolly, "Starch from <i>Musa paradisiaca</i> " <b>Ind. J. Pharm. Sci.</b>, 1990, Jan- , 36-38. .</li> <li>2. <b>Chhaya Gadgoli</b> , M. S. Sarang and C. I. Jolly, "Single Cell Protein Production from Peels of <i>Musa paradisiaca</i> <b>Res. Ind.</b> , 1992, 37, 18-20.</li> <li>3. <b>Chhaya Gadgoli</b>, S.H. Mishra, "Preliminary Antihepatotoxic Activity of <i>Achillea millefolium</i>, <i>Cichorium intybus</i> and <i>Capparis spinosa</i>",</li> </ol>

**Fitoterapia**,1995,56(4),319- 322.

4. **Chhaya Gadgoli** , S.H. Mishra, "Antihepatotoxic Activity of p-methoxybenzoic acid from *Capparis spinosa* ,"**J.Ethnopharmacology** , 1999, 66( 2 ), 187-192.
5. **Chhaya Gadgoli** and S.H .Mishra , " Antihepatotoxic Activity of *Cichorium intybus*" , **J. Ethnopharmacology** ,1997, 64, 131-134.
6. K. S. Rao, **Chhaya H.G.** and S.H. Mishra , " Evaluation of Certain Plants as Hepatoprotective Medicines", Vanaushadhi Sarsangrah : Compendium of Phytomedicines, the Conference and Exhibition on Medicinal Plants and Medicines based on Plants 1997, February 21-22, 294-296.
7. **Chhaya Gadgoli**, Priya Gaonkar, Vineeta Khanvilkar and Rajani Shettigar, "Spectrophotometric Determination of Glucosamine Sulphate" **Ind. J. Pharm. Sci.**,2006, 68(1), 83-84.
8. Omkar Amrite, Jeeja Thurackal and **Chhaya Gadgoli**, "Evaluation of Anti-inflammatory Activity of *Nyctanthes arbor-tristis* and *Onosma echioides*" **Pharmacog. Mag.**, 2006, 2(8), 258-260
- 10 Dipti Deshmane, Ganesh Halde and **Chhaya Gadgoli** ,"Anticonvulsant Activity of *Origanum majorana*" **Pharmacologyonline**, 2007, 1, 64-78.
11. **Chhaya Gadgoli** and S.H. Mishra ,"Antihepatotoxic Activity of 5- Hydroxy 3,4', 6,7- tetramethoxy flavone from *Achillea millefolium*" **Pharmacologyonline**, 2007, 1, 391-399
12. Babita More, Goldee Pardesi and **Chhaya Gadgoli** "Antimitotic Activity of *Rubia cordifolia*" **Biomed.**, 2006, 1(3), 247-250.
13. Omkar Amrite, Pallavi Bhuskat, Neha Patel, Sheetal Biyani and **Chhaya Gadgoli** "Evaluation of Analgesic Activity of Carotenoid from *Nyctanthes arbor-tristis*" **Adv. Pharmacol. Toxicol.**, 2007, 8(2), 55-58.
14. Omkar Amrite, Pallavi Bhuskat, Neha Patel, and **Chhaya Gadgoli** "Evaluation of Antioxidant Activity of Carotenoid from *Nyctanthes arbor-tristis*" **Int. J. Pharmacol. Biol. Sci.** 2007, 1(2), 57-59.
15. Pallavi Bhuskat, Omkar Amrite, Neha Patel and **Chhaya Gadgoli**, "*Nyctanthes arbor-tristis* a Substitute for Saffron Color" **Indian Drugs**, 2007, 44(8), 640-642.
16. More Babita H., **Gadgoli Chhaya** and Padesi Goldee, "Hepatoprotective Activity Of *Rubia Cordifolia*" **Pharmacologyonline**, 2007, 3, 73-79.
17. Pardesi Goldee S, **Gadgoli Chhaya.**, Vaidya Madhav D., Hasni Hamid Y.,More Babita H and Bhuskat Pallavi,P., "Preliminary Studies On Antimitotic And Anti Cancer Activity Of *Calotropis gigantea*",**Pharmacologyonline** Newsletter

, 2008,1,38-47.

18. Pardesi Goldee S, **Gadgoli Chhaya.**, Vaidya Madhav D., Hasni Hamid Y., More Babita H and Bhuskat Pallavi P., "Evaluation Of Anti-Inflammatory Activity Of *Calotropis gigantea*", **Pharmacologyonline Newsletter** , 2008,1,111-116.
19. Pardesi Goldee S, **Gadgoli Chhaya.**, Vaidya Madhav D., Hasni Hamid Y., More Babita H and Bhuskat Pallavi P., "Evaluation Of Steroidal Content Of *Calotropis gigantea*", **Pharmacologyonline Newsletter** , 2008,2,55-58.
20. Dnyaneshwar Kokane, **Chhaya Gadgoli** et al "Evaluation of Wound Healing Activity of *Mimosa pudica*" **Journal of Ethnopharmacology** , 2009, 124, 311-315.
21. Surekha Yamgar, Lalit Sali, Rashmi Salkar, Naveenkumar Jain, **Chhaya H. Gadgoli**, "Studies On Nephroprotective and Nephrocurative Activity of Ethanolic Extract of Picrorrhiza kurroa Royle And Arogyavardhini Bati in Rats" **International Journal Of Pharmacy & Technology**, 2010, 2 (3) ,472-489.
22. **Chhaya Gadgoli**, Sandeep Shelke ." Crocetin from the tubular calyx of *Nyctanthes arbor-tristis*", **Natural Product Research**, 2010, 24( 17), 1610-1615.
23. Sushi Pimpare , **Chhaya Gadgoli** , et al ,"Volatile Oil of *Mimusops elengi* Linn (*Sapotaceae*) as a Source of Thymol", **International Journal of PharmTech Research**, 2012, 4(1), 250-257.
24. Sushil S. Pimpare, Yogesh T. Sonawane, Chetan A. Chaudhari, Lalit P. Sali, Naveenkumar P. Jain and **Chhaya H. Gadgoli**, " Wound healing activity of topical application form based on herbomineral formulation", **Asian Journal of Plant Science and Research**, 2012, 2 (3):355-363.
25. Surekha Yamgar, **Chhaya Gadgoli** et al "HPTLC Analysis of Rhizome of Picrorrhiza kurroa and Arogyavardhini Bati" **International Journal of Pharmacy and Technology**, 2012, 2(4), 4189-4207.
26. Surekha Yamgar, **Chhaya Gadgoli** et al "Pharmacognostical Evaluation of Some Herbal Drugs" **International Journal of Advanced Research in Pharmaceutical and Biosciences**, 2012, 1(3), 302-310.
27. Surekha Yamgar, **Chhaya Gadgoli** et al "HPTLC Method for quantification of  $\beta$ - Sitosterol from *Vanda roxburghii* R. Br." **Asian Journal of Plant Science and Research** , 2012, 2(4), 524-529.
28. Bowlekar P. Babu and **Gadgoli C. Harihar** Amelioration of Cisplatin Induced Nephrotoxicity by Standardized Methanolic Extract of Roots of *Boerhaavia diffusa*" **Natural Product Journal** , 2014, 4, 217-223.
29. Gawand Nikita, Purnima Vivek, **Gadgoli Chhaya** " Wound healing activity of

- Oligomer of alkanin/ Shikonin isolated from root bark of *Onosma echioides*" **Natural Product Research 2015, 29(16), 1584-1588.**
30. Neha Pawar, Tasneem Shahmalak, Kumarvelu J , Sheetal Panchal and **Chhaya Gadgoli** Crocin Rich Extract of *Nyctanthes arbor-tristis* Flower Calyx Induces Anti-angiogenic Activity –in **Natural Product Journal 2016, 6(1), 40-48**
31. Archana Naik, Manasi Varadkar and **Chhaya Gadgoli** " Identification of Safranal in volatile oil extracted from tubular calyx of *Nyctanthes arbor-tristis* : a substitute to saffron aroma A in **Journal of PharmaScitech 2016, 5(2), 102-104**
32. Neha Pawar, **Chhaya Gadgoli** , Monika Kamble and Shital Panchal "**28 Days Sub-acute Toxicity Profile of Ethanolic Extract of *Nyctanthes arbort-tristis* Calyx**" **Pharmacology Online 2016,2,163-174**
33. Jitendra D. More , Monika Kamble and **Chhaya H. Gadgoli**, Sodium Alginate Curcumin Floating Beads Containing Curcumin Solid Dispersion: Preparation And Evaluation Of Stability, Solubility And Bioavailability, **World Journal Of Pharmacy And Pharmaceutical Sciences, 2016,5(7), 1993 to 2008**
34. **Chhaya Gadgoli**, **Book Chapter " Research in Phytoconstituents for Treatment of Wounds"** in **Topics on Wound Healing**", ISBN 978-953-51-4903-3. *Published: December 7, 2016, 25-45.*
35. Neha Pawar, Shital Panchal, Dhananjay Kawle, **Chhaya Gadgoli** & Girish Maru Evaluation of genotoxic and modulatory effects of *Nyctanthes arbor-tristis* calyx extract and the isolated crocin in Ames' assay, <https://doi.org/10.1080/14786419.2017.1410807>, 2017
36. Archana Gorle and **Chhaya Gadgoli** Evaluation of hypoglycaemic activity of polyherbal formulation developed with bioenhancer, *The Pharma Innovation Journal* 2018; 7(7): 98-101
37. Archana Gorle and **Chhaya Gadgoli** Pharmacognostic And Physico Chemical Evaluation Of *Pterocarpus Marsupium* Wood, *World Journal Of Pharmacy And Pharmaceutical Sciences*, 2018, 7( 7), 1116-1127. 37.
38. **Chhaya Gadgoli** and Deepa Gandhi, "Coenzyme Q10 as an Alternative Medicine"
39. **Archana Naik**, **Chhaya Gadgoli** and Arvind Naik 'Evaluation of Gene Expression and In Vitro Enzyme Study for Antiaging Effect of Crocin and Lutein' *The Natural Products Journal*, Volume-9, 2020

Papers  
Presented

1. Preliminary Phytochemical Investigations on Rachis of *Musa paradisiaca* in **Indian Pharmaceutical Congress**, Dec. 1989 , held at IIT , Pawoi, Mumbai.
2. Anthelmintic Activity of *Myrsine africana* in **Indian Pharmaceutical Congress** in Dec. 1991, held at Goa.
3. Antihepatotoxic Activity of *Achillea millefolium* and *Capparis spinosa* in **National Seminar on Herbal Drugs**, held at Ooty, in October 1993.
4. Antihepatotoxic Activity of *Cichorium intybus* in **Indian Pharmaceutical Congress** in Dec. 1993, held at New Delhi.
5. Antihepatotoxic Activity of *Achillea millefolium* and *Capparis spinosa* in **Indian Pharmaceutical Congress** held at Chandigarh in Dec. 1994.
1. Presented the following **six research papers in the International Conference on Ethnopharmacology and Alternative Medicine**, organized by National Society of Ethnopharmacology in January 20-22, 2006 at Amala Cancer Research Centre, Thrissur, Kerala ( India ) .
  - a. Jeeja Thurackal , Omkar Amrite , Goldee Pardesi, Dipti Deshmane and **Chhaya Gadgoli** , “Screening of Some Medicinal Plants for Anti-inflammatory Activity”
  - b. Goldee Pardesi, Swati Patil, Arti Juvekar and **Chhaya Gadgoli**,”Anti mitotic Studies on *Calotropis gigantea*”
  - c. Babita More, Arti Juvekar, Swati Patil AND **Chhaya Gadgoli**, “Antioxidant and Anti mitotic Activity of *Rubia cordifolia*”
  - d. Pallavi Bhuskat, Omkar Amrute, Neha Patel, Swati Patil and **Chhaya Gadgoli**,” Antioxidant and Anti mitotic Activity of *Nyctanthes arbor-tristis*”
  - e. Sheetal Biyani and **Chhaya Gadgoli**, ”Preliminary Phytochemical and Pharmacological Screening of *Ruta graveolens*”
  - f. Dipti Deshmane and **Chhaya Gadgoli** ,” Preliminary Phytochemical and Pharmacological Screening of *Origanum majorana*”
6. Presented **two research papers in the Annual Meeting and Exposition of American Association of Pharmaceutical Scientists (AAPS) held at San Antonio, Texas, USA** (October 29- November 2,2006.)
  - a. Goldee Pardesi and **Chhaya Gadgoli**, “Immunomodulatory Activity of *Calotropis gigantea*”
  - a. **Chhaya Gadgoli**, Omkar Amrite , Pallavi Bhuskat and Neha Patel,

Pharmacological Investigations On *Nyctanthes arbortristis*"

7. Dnyaneshwar Konkane , Prachi Mehandale, Minakshi Nehte and **Chhaya Gadgoli**, "Preliminary Evaluation OF Wound healing Activity and Phytochemical Investigations on Roots of *Mimosa pudica*" in **International Seminar on Medicinal Plants and Herbal Products**, held at S.V. University , Tirupati, March 7-9, 2008.
8. Sandip Shelke, Chhaya Gadgoli and Omkar Amrite "Medicinal Utility of Carotenoides from *Nyctanthes arbortristis*" in **International Symposium on Carotenoides**, held at Okinawa, Japan from June 22-27,2008.
9. Sandip Shelke and Chhaya Gadgoli, "Structural Elucidation of Carotenoids from *Nyctanthes arbor-tristis*" at **International Conference on Drug Development and Discovery from Natural Products and Traditional Medicine**, Held at NIPER, Mohali from Nov. 16-20.
10. Delivered a short lecture entitled "Carotenoids –a versatile Phytoconstituents and Phytonutrients" at **International Conference on Drug Development and Discovery from Natural Products and Traditional Medicine**, Held at NIPER, Mohali from Nov. 16-20.
11. Antiarthritic activity of *Vanda roxburghii* at **International Conference on Medicinal and Aromatic Plants** held at Lucknow on 21-24THFebruary 2010.
12. Immunomodulatory Effect s of *Vanda roxburghii* at **International Conference on Medicinal and Aromatic Plants** held at Lucknow on 21-24THFebruary 2010.
13. Presented two papers at **One day conference on Pharmaceutical Sciences organized by Natioanl University of Singapore and Bombay College of Pharmacy** at Bombay College of Pharmacy on Feb. 25, 2010.
  - a. Standardization of *Woodfordia fruticosa* for Gallic and Ellagic acid
  - b. Isolation of Lectins from *Erytrina variegata*
14. Antidiabetic activity of *Nyctanthes arbor-tristis* at **Asian Herbal Expo** held at Chennai On November 26-28, 2010.
15. Presented two research papers in **PHYTOPHARM -2011** held at Nuremberg, Germany from July 25-27, 2011.
  - a. Anti angiogenetic activity of *Nyctanthes arbor-tristis*
  - b. Platelet aggregation Inhibitory activity of *Nyctanthes arbor-tristis*" in
16. Presented the following three research papers in the **International**

**Conference on Current Trends in Medicinal Plant Research** held at University of Pune, from January 10-13, 2012

- a. Pooja Bowlekar and Chhaya Gadgoli, "Amelioration of Cisplatin induced Nephrotoxicity by Methanolic Extract of Roots of *Boerhaavia diffusa*"
- b. Roshni Chaudhari and Chhaya Gadgoli, "Standardization of Kantakari Kalpa – an Ayurvedic Formulation"
- c. Mihir Deshpande and Chhaya Gadgoli, "Utility of *Syzygium cumini* Seeds as Wound Healing Drug"

17. Presented project entitled **Colour cosmetic formulation with natural ingredients in**

**'Biopharm2012'** at IIM Bangalore, organized by IIM-B, C-CAMP, March 2012.

18. Presented oral presentation entitled " Crocetin from tubular calyx of *Nyctanthes arbortristis* as potential wound healing agent" at XXII International Congress "Phytopharm 2018", held at Horgen, Swizerland , during June 25-27, 2018

Presented **THREE** poster papers and one of the projects received third best poster award

Crocin from *Nyctanthes arbor-tristis* (*Oleaceae*): Enhancement of stability and Effect on Collagen type 1 and Elastin gene

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

Lutein from *Tagetes patula*: Enhancement of stability and Effect on COL type I and elastin gene

at XXII International Congress "**Phytopharm 2018**", held at **Horgen, Swizerland** , during June 25-27, 2018

19. Presented three research papers in International Conference of Society for Ethnopharmacology and received certificate of merit for one oral and one poster presentation (February 16-18, 2020)held at Delhi



Research Grants Received

Sr. #	Agency	Project	Year and Amount in Rupees	Status
1	University of Mumbai	Design And Characterization Of Antimicrobial Vesicular Formulation Of <i>Onosma echioides</i>	2019-20 Rs.90,000/-	Ongoing
2	University of Mumbai	Isolation of Phytoconstituts	2016-17 25000/-	Completed
3	Indian Council of Medical Research	Evaluation Of Utility Profiles Of Some Phytoconstituent- Metal Complex As Wound Healing Agents	2015-16 15 lakhs	Ongoing
4	University of Mumbai	Studies on Wound Healing Activity of <i>Randia domentorum</i>	2013-14	Completd
5	National Medicinal Plant Board (NMPB), Department of AYUSH	Studies On Medicinal and Cosmetic Utility of <i>Nyctanthes arbor-trisits</i> – a substitute to Saffron	2010 15.70 LAKH	Completed
6	University of Mumbai	Evaluation of Nephroprotective Activity of <i>Picrorrhiza kurroa</i>	2009-10 25000/-	Completed
7	University of Mumbai	Studies on Co-administration of Synthetic and Herbal Anticonvulsant Drugs	2007-08 35,000/-	Completed
8	University of Mumbai	Studies on <i>Nyctanthes arbor-trisits</i> for substituting Saffron	2004-05 25000/-	Completed