

Faculty Profile



Name: Dr. Chhaya Gadgoli

Qualification: M. Pharm., Ph.D.

Designation: Professor

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chhayahg@rediffmail.com

Ph.D.	M. S. University of Baroda. M. S. University of Baroda. (1996)
M.Pharm. Specilization & University	Pharmacognosy from University of Mumbai (1991)
B. Pharm. University	University of Mumbai (1988)
Experience	<ul style="list-style-type: none"> • Teaching Experience : Total 27 Years • Research Experience: 17 years (During PH.D.) • Industrial: 10 Months • Approved guide for M. Pharm in Pharmacognosy and Q.A.. Also approved guide for Ph.D. in Pharmacognosy and Phytochemistry for the University of Mumbai • Was appointed as GPAT Representative conducting GPAT - 2012 examination at Aurangabad Centre, Western Zone, from May 4-6, 2012.
Projects handled	<ol style="list-style-type: none"> 1. Worked on the Project entitled "Pharmacognostic and Phytochemical Investigations on Musa paradisiaca", under the guidance of Dr. C.I.Jolly , Professor and Head Pharmacognosy and Phytochemistry , Prin. K. M. Kundnani College of Pharmacy, Worli, Mumbai, for M. Pharm Sci. 2. Worked on the project entitled "Evaluation and Utility Profiles of Some Phytopharmaceuticals used as Traditional Medicaments", under the guidance of Prof. S. H. Mishra , Head , Pharmacy Department , M.S. University of Baroda, Baroda for Ph.D. <p>Etc.</p>

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<p>Institutional and Administrative responsibilities</p>	<ul style="list-style-type: none"> • H.O.D., Department of Pharmacognosy • Approved guide for M. Pharm in Pharmacognosy and Q.A.. Also approved guide for Ph.D. in Pharmacognosy and Phytochemistry for the University of Mumbai • Was appointed as GPAT Representative conducting GPAT -2012 examination at Aurangabad Centre, Western Zone, from May 4-6, 2012.
<p>Professional Affiliations / Membership</p>	<ul style="list-style-type: none"> ○ Indian Pharmaceutical Association ○ Indian Society of Pharmacognosy ○ Association of Pharmacy Teachers of India ○ National Society of Ethnopharmacology ○ International Society for Carotenoids
<p>Achievements</p>	<ol style="list-style-type: none"> 1. Awarded National Merit Scholarship for the recognition of high position in the list of Meritorious candidates qualifying for the awards in Maharashtra. 2. Recipient of Scholarship awarded by the Government of India for 18 months (September 1998 to February 1999) during M. Pharm. Sci. Course. 3. Recipient of Senior Research Fellowship awarded by The Council of Scientific and Industrial Research (CSIR) for two years (March 1993 – March 1995). 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 5. 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. 7. The business plan for the project won The First Prize in the competition entitled "Metamorphosis 2012" conducted by Indian School of Business and IKP, Hyderabad 8. Received Silver Medal in Avishkar 2012 – a state level research convention for the project "Antiangiogenic Effects of Carotenoids from Nyctanthes arbor-tristis" held at Shivaji University, Kolhapur, on January 14, 2012 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".

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	<p>10. Was invited as Evaluator for Poster Session in 68th Indian Pharmaceutical Congress, held at Vishakhapattanam during December 16-18, 2016.</p> <p>11. Was awarded "Best Professor in Pharmacognosy" by National Education Awards 2017 ABP news on July 6, 2017.</p> <p>12. Third Best Poster for the poster entitled "Crocin from <i>Nyctanthes arbor-tristis</i> (Oleaceae): Enhancement of stability and Effect on Collagen type 1 and Elastin gene" in XXII International Congress Phytopharm 2018, held at Horgen , Switzerland during June 25-27, 2018.</p> <p>13. Recipient of Travel grant for attending and presenting four research papers in XXII International Conference of International Society for Ethnopharmacology held at Imphal Manipur from Feb 24-26, 2023</p> <ol style="list-style-type: none"> Studies on bioavailability of antiasthamatic orodispersible tablets containing extracts of Glycyrrhiza glabra and Curcuma longa –oral presentation Studies on optimization of isolation process for bakuchiol from Psoralea carylifolia seeds Analytical method development for simultaneous estimation of herbal drugs Bioanalytical method development for simultaneous estimation of herbal drugs and its application for bioavailability studies
<p>Core competency Areas</p>	<ul style="list-style-type: none"> •
<p>Book Chapter</p>	<p>" Research in Phytoconstituents for Treatment of Wounds" in Topics on Wound Healing", ISBN 978-953-51-4903-3. Published: December 7, 2016, 25-45.</p>
<p>Poster/ Oral Presentations</p>	<ol style="list-style-type: none"> Preliminary Phytochemical Investigations on Rachis of <i>Musa paradisiaca</i> in Indian Pharmaceutical Congress, Dec. 1989 , held at IIT , Pawoi, Mumbai. Anthelmintic Activity of <i>Myrsine africana</i> in Indian Pharmaceutical Congress in Dec. 1991, held at Goa.

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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*"

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- a. **Chhaya Gadgoli**, Omkar Amrite , Pallavi Bhuskat and Neha Patel, Pharmacological Investigations On *Nyctanthes arbortrists*"
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.

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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 arbor-tristis* as potential wound healing agent" at XXII International Congress "Phytopharm 2018", held at Horgen, Swizerland, during June 25-27, 2018
19. Presented THREE poster papers and one of the projects received third best poster award
20. Crocin from *Nyctanthes arbor-tristis* (Oleaceae): Enhancement of stability and Effect on Collagen type 1 and Elastin gene
21. Genetic level Evaluation of novel, topical herbal formulation: an economic substitute to formulation of saffron
22. Lutein from *Tagetes patula*: Enhancement of stability and Effect on COL type I and elastin gene
23. at XXII International Congress "Phytopharm 2018", held at Horgen, Swizerland, during June 25-27, 2018
24. Presented four research papers in International Conference of Society for Ethnopharmacology held at Delhi in Feb 16-18, 2020.

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	<p>25. Presented two research papers in 20th International conference Ethnopharmacology through online mode held in April 18-20,2021.</p> <p>26. Presented two research papers in International Conference of Society for Ethnopharmacology held at Pune in August 2021.</p> <p>27. Presented three research papers in International Conference of Society for Ethnopharmacology held at Mysore in April 2022.</p> <p>28. Presented five research papers in XXII International Conference of International Society for Ethnopharmacology held at Imphal Manipur from Feb 24-26, 2023</p> <ol style="list-style-type: none"> Studies on bioavailability of antiasthmatic orodispersible tablets containing extracts of Glycyrrhiza glabra and Curcuma longa Studies on optimization of isolation process for bakuchiol from Psoralea carylifolia seeds Analytical method development for simultaneous estimation of herbal drugs Bioanalytical method development for simultaneous estimation of herbal drugs and its application for bioavailability studies Formulation and standardization of orodispersible tablets containing extracts of Glycyrrhiza glabra and Curcuma longa
<p>Research Publications</p>	<ol style="list-style-type: none"> "Starch from <i>Musa paradisiaca</i> " Ind. J. Pharm. Sci., 1990, Jan , 36-38. . (Impact Factor 0.762) "Single Cell Protein Production from Peels of <i>Musa paradisiaca</i> Res. Ind. , 1992, 37, 18-20. (Impact Factor 0.557) "Preliminary Antihepatotoxic Activity of <i>Achillea millefolium</i>, <i>Cichorium intybus</i> and <i>Capparis spinosa</i>", Fitoterapia,1995,56(4),319- 322. (Impact Factor : 2.345) "Antihepatotoxic Activity of p-methoxybenzoic acid from <i>Capparis spinosa</i> ,"J.Ethnopharmacology , 1999, 66(2), 187-192. (Impact Factor 2.998; 5-Year Impact Factor: 3.261) " Antihepatotoxic Activity of <i>Cichorium intybus</i>", J. Ethnopharmacology ,1997, 64, 131-134. (Impact Factor 2.998; 5-Year Impact Factor: 3.261)

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6. "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. "Spectrophotometric Determination of Glucosamine Sulphate" **Ind. J. Pharm. Sci.**, 2006, 68(1), 83-84. (**Impact Factor 0.768**)
8. "Evaluation of Anti-inflammatory Activity of *Nyctanthes arbor-tristis* and *Onosma echioides*" **Pharmacog. Mag.**, 2006, 2(8), 258-260 (**Impact Factor 1.069**)
9. "Anticonvulsant Activity of *Origanum majorana*" **Pharmacologyonline**, 2007, 1, 64-78. (**Source Normalized Impact per Paper SNIP 2014 : 0.308**)
- 10 "Antihepatotoxic Activity of 5-Hydroxy 3,4', 6,7-tetramethoxy flavone from *Achillea millefolium*" **Pharmacologyonline**, 2007, 1, 391-399. (RG Impact factor 0.37)
11. "Antimitotic Activity of *Rubia cordifolia*" **Biomed.**, 2006, 1(3), 247-250.
12. "Evaluation of Analgesic Activity of Carotenoid from *Nyctanthes arbor-tristis*" **Adv. Pharmacol. Toxicol.**, 2007, 8(2), 55-58.
13. "Evaluation of Antioxidant Activity of Carotenoid from *Nyctanthes arbor-tristis*" **Int. J. Pharmacol. Biol. Sci.** 2007, 1(2), 57-59. (**Impact Facator 0.88 Scientific Journal Impact Factor Value for 2012 : 3.125**)
14. "*Nyctanthes arbor-tristis* a Substitute for Saffron Color" **Indian Drugs**, 2007, 44(8), 640-642.
15. "Hepatoprotective Activity Of *Rubia Cordifolia*" **Pharmacologyonline**, 2007, 3, 73-79. (**Source Normalized Impact per Paper SNIP 2014 : 0.308**)
16. "Preliminary Studies On Antimitotic And Anti Cancer Activity Of *Calotropis gigantea*", **Pharmacologyonline Newsletter** , 2008,1,38-47.
17. "Evaluation Of Anti-Inflammatory Activity Of *Calotropis gigantea*", **Pharmacologyonline Newsletter** , 2008,1,111-116.
18. "Evaluation Of Steroidal Content Of *Calotropis gigantea*", **Pharmacologyonline Newsletter** , 2008,2,55-58.

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19. "Evaluation of Wound Healing Activity of *Mimosa pudica*" **Journal of Ethnopharmacology** , 2009, 124, 311-315. (Impact Factor 2.998; 5-Year Impact Factor: 3.261)
20. "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. (As per Universal Impact Factor, UIF=1.2106)
21. "Crocetin from the tubular calyx of *Nyctanthes arbor-tristis*", **Natural Product Research**, 2010, 24(17), 1610–1615. (Impact Factor 1.828 (©2014 Thomson Reuters, 2014 Journal Citation Reports®).)
22. "Volatile Oil of *Mimusops elengi* Linn (*Sapotaceae*) as a Source of Thymol", **International Journal of PharmTech Research**, 2012, 4(1), 250-257. (Impact per publication as per 2014 : 0.619)
23. "Wound healing activity of topical application form based on herbomineral formulation", **Asian Journal of Plant Science and Research**, 2012, 2 (3):355-363. (Scimago Journal Ranking (2013): 0,456)
24. "HPTLC Analysis of Rhizome of *Picrorrhiza kurroa* and *Arogyavardhini Bati*" **International Journal of Pharmacy and Technology**, 2012, 2(4), 4189-4207. (As per Universal Impact Factor, UIF=1.2106)
25. "Pharmacognostical Evaluation of Some Herbal Drugs" **International Journal of Advanced Research in Pharmaceutical and Biosciences**, 2012, 1(3), 302-310. (Impact Factor: 4.278 (SJIF))
26. "HPTLC Method for quantification of β - Sitosterol from *Vanda roxburghii* R. Br." **Asian Journal of Plant Science and Research** , 2012, 2(4), 524-529. (Scimago Journal Ranking (2013): 0,456)
27. Amelioration of Cisplatin Induced Nephrotoxicity by Standardized Methanolic Extract of Roots of *Boerhaavia diffusa*" **Natural Product Journal** , 2014, 4, 217-223.
28. "Wound healing activity of Oligomer of alkanin/ Shikonin isolated from root bark of *Onosma echioides*" **Natural Product Research** 2015, 29(16), 1584-1588. (2014 Impact Factor 1.828 (©2014 Thomson Reuters, 2014 Journal Citation Reports®)

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29. Crocin Rich Extract of *Nyctanthes arbor-tristis* Flower Calyx Induces Anti-angiogenic Activity – in **Natural Product Journal 2016, 6(1), 40-48**
30. "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** (Index Copernicus Value (ICV): 6.1 & Science Journal Impact Factor: 3.72.)
31. "**28 Days Sub-acute Toxicity Profile of Ethanolic Extract of *Nyctanthes arbor-tristis* Calyx**" **Pharmacology Online 2016,2,163-174**
32. 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**
33. **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(Impact factor 1.928)
34. "**Quality by Design Approach in Quantitative Determination of the Red Dye from Extract of *Onosma Echioides* (Boraginaceae) by UV-visible Spectrophotometer**",
International Journal of Pharmaceutical Quality Assurance, 2021,12 (3), 293-296.
35. "Pharmacokinetic Profile and Oral Bioavailability of Diosgenin, Charantin, and Hydroxychalcone From a Polyherbal Formulation", *Frontiers in Pharmacology*,2021,10,1-14.
36. "Preparation and evaluation of wound healing activity of phytosomes of crocetin from *Nyctanthes arbor-tristis* in rats", *Journal of Traditional and Complementary Medicine*, 2021,
<https://doi.org/10.1016/j.jtcme.2021.10.002>.
37. "In-Vivo Evaluation of Phytosomal Gel of The Petroleum Ether Extract of Root Bark of *Onosma echioides* for Wound Healing Activity in Rats", *Indonesian Journal of Pharmacy*, 2021,32 (4): 474–483.

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	<p>38. "Evaluation of wound healing activity of flowers of <i>Woodfordia fruticosa</i> Kurz" International Journal of Pharmacognosy and Life Science 2020; 1(2): 06-13.</p> <p>39. "Evaluation of Gene Expression and In Vitro Enzyme Study for Antiaging Effect of Crocin and Lutein", The Natural Products Journal, 2020, 10(5), 595-604.</p> <p>40. 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, 3(1), 100070. https://doi.org/10.1016/j.ccmp.2022.100070</p> <p>41. Bioavailability and Pharmacokinetic Parameters of a Formulation Containing Secoisolariciresinol Diglucoside–Rich Extract. Rev. Bras. Farmacogn. 33, 394–401 (2023). https://doi.org/10.1007/s43450-023-00358-x</p> <p>42. "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" in Current Cosmetic Science January 2023, DOI:10.2174/2666779702666230403111920.</p> <p>43. "Coenzyme Q10 as an Alternative Medicine", Pharma Pulse, 2001, 21,September, 17.</p>
<p>Patents</p>	<p>1. Chhaya Gadgoli, Madhav Vaidya and Sayyed Hasni," A Process for Production of Probiotics on Media Derived from Fruit Wastes" in Indian Patent Office on Feb.8, 2006.Published – Patent Office Journal on 24/8/2007 No. 187/Mum/ 2006</p> <p>2. Chhaya Gadgoli and Jeeja Thurrackal," Cosmetic Formulation for Lipsticks, Eye Shadow and Rouges with Natural Ingredients" in Indian Patent Office on March 22, 2006. Published –Patent Office Journal on 23/ 11/2007, No. 398/ Mum/ 2006-GRANTED</p> <p>3. Chhaya gadgoli and Nikita Gawand "Herbomineral Remedy for Healing of Wound", Indian Patent Office, November 6, 2008. (Patent No. 2367/MUM/2008)</p> <p>4. Chhaya Gadgoli, Lalit Sali and Mahesh Abhyankar, "Antidiabetic Lectins from <i>Vigna radiate</i> and its complex with Zinc", Indian Patent Office August 25, 2010,Patent No. 2370/MUM/2010)</p>

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	<ol style="list-style-type: none"> 5. Chhaya Gadgoli, Prasad Bandewar and Sandip Waghulde “Use of Lawsone Complexes for Promoting Wound Healing And As An Antimicrobial Agent”, -Indian Patent Office –appl no. 2878/MUM/2011, 11/10/2011-GRANTED 6. Gadgoli Chhaya Harihar, Shirodkar Aditee Vinod, Patil Varsha Pravin “A Film Coating Formulation With Natural Color For Pharmaceutical Tablets” – Indian Patent Office- appl. No. 1537/MUM/2014 , 2/5/2014 7. Chhaya Gadgoli and Jaie Karve Method and Apparatus for Extraction of Essential Oils , Filed at Indian Patent Office No. 201621019703. GRANTED 8. Gorle Archana and Chhaya Gadgoli “ Polyherbal Antidiabetic Composition Comprising a Bioenhancer” Filed at Indian Patent Office Application No. 201721016680, Dated 12/05/ 2017 9. Mrs. Archana Naik, Dr. Chhaya Gadgoli, Mr. Arvind Naik “Topical compositions comprising herbal phytosomes” Filed at Indian Patent Office Application No. 201721017635 dated 23rd may 2017, Application Published on 23/11/2018 10. Mangarish Tendulkar , Dr. Chhaya Gadgoli, Vaidya Bhau Sule, “ MEDICAL Composition” filed at Indian Patent Office Application No 201721036561 dated 14/10/2017. Granted Patent no: 425662.
<p>Research grant</p>	<ol style="list-style-type: none"> 1. IRF Overseas Travel Grant of Rs. 50,000/- towards attending and 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. 2. 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. 3. AICTE travel grant of Rs. 1,00,000/- for presenting and participating in XXII International Congress Phytopharm 2018, held at Horgen , Switzerland during June 25-27, 2018. 4. AICTE grant for MODROB-Modernization of facilities for research in Natural Product Technology of Rs. 16,35,294/- during 2020-22.

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	<ol style="list-style-type: none"> 5. University of Mumbai for Design and characterization of antimicrobial vesicular formulation of <i>Onosma echioides</i> of Rs. 90,000/- during 2019-20 6. University of Mumbai for Isolation of Phytoconstituents of Rs. 25000/- in 2016-17 7. ICMR for Evaluation Of Utility Profiles Of Some Phytoconstituent- Metal Complex As Wound Healing Agents of 15 lacks in 2015-16 8. UOM for Studies on Wound Healing Activity of <i>Randia domentorum</i> in 2013-14 9. National Medicinal Plant Board (NMPB), Department of AYUSH for Studies On Medicinal and Cosmetic Utility of <i>Nyctanthes arbor-trisits</i> – a substitute to Saffron of 15.70 LAKH in 2010 10. University of Mumbai for Evaluation of Nephroprotective Activity of <i>Picrorrhiza kurroa</i> for Rs. 25000/- in 2009-10 11. University of Mumbai for Studies on Co-administration of Synthetic and Herbal Anticonvulsant Drugs of 35,000/-in 2007-08 12. University of Mumbai for Studies on <i>Nyctanthes arbor-trisits</i> for substituting Saffron of Rs. 25000/- in 2004-05
<p>Other:</p>	<p>Received FDA approval in the production of Bulk Drug at M/S Banyan Chemicals Pvt. Ltd.</p>
<p>Student Guided</p>	<ul style="list-style-type: none"> • Ph.D. : Registered 05 with University of Mumbai & completed 2 • M. Pharm.: 45 (Pharmacognosy) • B. Pharm. : 40