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Employment

Sr. No.	Positions held	Name of the Institute	From	To
1.	Assistant Professor (Academic level 12)	Shivaji University, Kolhapur	2013	Present
2.	Assistant Professor (Academic level 10)	Department of Botany, Shardabai Pawar Mahila Mahavidyalaya, Shardanagar, Baramati. Pune	2011	2013

Education

Ph. D. in Botany, Savitribai Phule Pune University	2011
M. Sc. in Botany, Savitribai Phule Pune University	2007
B. Sc. in Botany, Adv. M. N. Deshmukh Art, Science and Commerce College, Rajur, Akole, Savitribai Phule Pune University, Pune	2005

Research Interests

Phytochemical characterization and bioactivities of medicinal plants

Enhanced production and potent bioactives using plant tissue culture

Influence of LED light on plant growth and metabolism

Green synthesis of silver nanoparticles, their characterization and bioactivity studies

Ph.D. Dissertation

Studies in somatic embryogenesis and *in vitro* salt and drought stress tolerance in oilseed crop Niger (*Guizotia abyssinica* Cass).

Research Guide: Prof. T. D. Nikam

Area: Plant Physiology

Publications: Research Articles (31)

1. Shreedhar S. Otari, Suraj P. Devkar, Suraj B. Patel, S. G. Ghane Micropropagation and elicited production of triterpenoid saponin glycosides and stigmasterol via precursor and elicitor feeding in *Bacopa floribunda* (R.Br.) Wettst.-A potential nootropic herb. (2023) Frontiers in Plant science, 14:1096842 **Impact factor 5.6**

2. Bhat P, Ghane SG, Hegde HV, Jayagoudar S. A comprehensive review on traditional therapeutic uses, bioactive principles and pharmacological activities of Kantakari (*Solanum virginianum* L.): An important Ayurvedic herb. (2023) Plant Sci. Today [Internet]. 2023;10(sp2):35-41. **Impact factor 0.9**

3. Bhat P, Jayagoudar S, Ghane SG, Hegde HV. Pharmacology and phytochemical profile of *Wattakaka volubilis* (L.f.) Stapf: A systematic review. Plant Sci. Today [Internet]. 2023;10(sp2):19-26. **Impact factor 0.9**

4. Otari, S.S., Patel, S.B., Lekhak, M.M., **Ghane, S.G**. Phytochemical Studies on Two Unexplored Endemic Medicinal Plants of India, *Barleria terminalis* and *Calacanthus grandifloras*. (2022) **Frontiers in Pharmacology**, 12, art. no. 817885, DOI:10.3389/fphar.2021.817885 **Impact factor 5.6**

5. Barale, S.S., **Ghane, S.G.**, Sonawane, K.D. Purification and characterization of antibacterial surfactin isoforms produced by *Bacillus velezensis* SK. (2022). **AMB Express**, 12 (1), art. no. 7, DOI: 10.1186/s13568-022-01348-3 **Impact factor 3.7**

6. Attar, U.A., **Ghane, S.G.**, Chavan, N.S., Shiragave, P.D. Simultaneous detection of anticancer compounds (Cucurbitacin I, B and E) and some pharmacological properties of Indian *Blastania* species. (2022). **South African Journal of Botany**, 147, pp. 871-881. DOI:10.1016/j.sajb.2022.03.019 **Impact factor 3.1**

7. Patel, S.B., Otari, S.S., Kumar, V., Rastogi, A., Lekhak, M.M., **Ghane, S.G.** Optimization of lycorine using Response Surface Methodology, extraction methods and

in vitro antioxidant and anti-diabetic activities from the roots of Giant Spider Lily: A medicinally important bulbous herb. (2022). **South African Journal of Botany**, DOI: 10.1016/j.sajb.2022.04.022 **Impact factor 3.1**

8. Attar, U.A., Ghane, S.G. Proximate composition, ionomics, phytochemical, antioxidant, anti-diabetic and acetylcholinesterase inhibitory activity of cucumis species from western ghats of India. (2021). **Indian Journal of Pharmaceutical Sciences**, 83 (4), pp. 679-694. DOI:10.36468/pharmaceutical-sciences.819 **Impact factor 0.97**

9. Yadav, P.B., Lekhak, U.M., **Ghane, S.G.**, Lekhak, M.M. Phytochemicals, antioxidants, estimation of cardiac glycoside (Scillaren A) and detection of major metabolites using LC-MS from *Drimia* species. (2021). **South African Journal of Botany**, 140, pp. 259-268. DOI: 10.1016/j.sajb.2020.05.002 **Impact factor 3.1**

10. Patel, S.B., **Ghane, S.G.** Phyto-constituents profiling of *Luffa echinata* and *in vitro* assessment of antioxidant, anti-diabetic, anticancer and anti-acetylcholine esterase activities. (2021). **Saudi Journal of Biological Sciences**, 28 (7), pp. 3835-3846. DOI:10.1016/j.sjbs.2021.03.050 **Impact factor 4.4**

11. Lekhak, M.M., Patel, S.B., Otari, S.S., Lekhak, U.M., **Ghane, S.G.** Bioactive potential and RP-HPLC detection of phenolics and alkaloids (lycorine and galanthamine) from ultrasonic-assisted extracts of *Crinum* roots. (2021). **South African Journal of Botany**, DOI: 10.1016/j.sajb.2021.07.024 **Impact factor 3.1**

12. Patel, S.B., Attar, U.A., Sakate, D.M., **Ghane, S.G.** Efficient extraction of cucurbitacins from *Diplocyclos palmatus* (L.) C. Jeffrey: Optimization using response surface methodology, extraction methods and study of some important bioactivities. (2020). **Scientific Reports**, 10 (1), art. no. 2109, DOI: 10.1038/s41598-020-58924-5 **Impact factor 4.6**

13. Kamble, V., Attar, U., Umdale, S., Nimbalkar, M., **Ghane, S.,** Gaikwad, N. Phytochemical analysis, antioxidant activities and optimized extraction of embelin from different genotypes of *Embelia ribes* Burm f.: a woody medicinal climber from Western Ghats of India. (2020). **Physiology and Molecular Biology of Plants**, 26 (9), pp. 1855-1865. DOI: 10.1007/s12298-020-00859-2 **Impact factor 3.5**

14. Jayagoudar, S., **Ghane, S.G.**, Bhat, P., Konage, A., Hiremath, A., Rathod, M., Manakikar, M., Hiremath, R., Athani, R., Maragannavar, S., Chavan, V., Hegde, H.V. Isolation and Characterization of Volatile Oil Constituents From Fruit Peels of Selected Rutaceae Genotypes From India. (2020). **Journal of Essential Oil-Bearing Plants**, 23 (5), pp. 998-1011. DOI: 10.1080/0972060X.2020.1829996 **Impact factor 2.4**

15. Attar, U.A., **Ghane, S.G.** *In vitro* antioxidant, antidiabetic, antiacetylcholine esterase, anticancer activities and RP-HPLC analysis of phenolics from the wild bottle gourd (*Lagenaria siceraria* (Molina) Standl.). (2019). **South African Journal of Botany**, 125, pp. 360-370. DOI: 10.1016/j.sajb.2019.08.004 **Impact factor 3.1**

16. **Ghane, S.G.**, Attar, U.A., Yadav, P.B., Lekhak, M.M. Antioxidant, anti-diabetic, acetylcholinesterase inhibitory potential and estimation of alkaloids (lycorine and

galanthamine) from Crinum species: An important source of anticancer and anti-Alzheimer drug. (2018). **Industrial Crops and Products**, 125, pp. 168-177. DOI: 10.1016/j.indcrop.2018.08.087 **Impact factor 5.9**

17. Attar, U.A., **Ghane, S.G.** Optimized extraction of anti-cancer compound – cucurbitacin I and LC–MS identification of major metabolites from wild Bottle gourd (*Lagenaria siceraria* (Molina) Standl.). (2018). **South African Journal of Botany**, 119, pp. 181-187. DOI: 10.1016/j.sajb.2018.09.006 **Impact factor 3.1**

18. Lekhak, M.M., Yadav, P.B., Attar, U.A., Rajput, K.S., **Ghane, S.G.** Cytopalynological studies in *Zanonia indica* (Cucurbitaceae), a monotypic genus. (2018). **Nucleus** (India), 61 (2), pp. 105-109. DOI: 10.1007/s13237-018-0234-y **Impact factor 1.8**

19. Lekhak, M.M., Patil, S.D., Kattee, A.V., Yadav, P.B., **Ghane, S.G.**, Gavade, S.K., Shimpale, V.B., Yadav, S.R. Cytopalynological studies in some Convolvulaceae members from northern Western Ghats, India. (2018). **Caryologia**, 71 (3), pp. 263-271. DOI: 10.1080/00087114.2018.1465761

20. Patel, S.B., Attar, U.A., **Ghane, S.G.** Antioxidant potential of wild *Lagenaria siceraria* (Molina) standl. (2018). **Thai Journal of Pharmaceutical Sciences**, 42 (2), pp. 90-96.

21. **Ghane, S.G.,** Nikam, T.D. Growth and physiological alterations in Niger cultivars under drought stress. (2017). **Russian Journal of Plant Physiology**, 64 (1), pp. 109-115. DOI: 10.1134/S1021443717010083 **Impact factor 1.4**

22. Attar UA, Ghane SG Phytochemicals and antioxidant activity and phenolic profiling of of Diplocyclos palmatus (L.) C. Jeffery. 2017 Int. J. Pharm. Pharma. Sci. 9(4) 101-106.

23. Attar UA, Ghane SG Proximate composition, antioxidant activities and phenolic composition of *Cucumis sativus* forma *hardwickii* (Royle) W. J. de Wilde & Duyfjes. Int. Journal of Phytomedicine 2017. 9(1) 101-112

24. **Ghane, S.G.,** Nikam, T.D. Influence of osmotic stress, physicochemical factors and nitrogen supplements on embryogenesis and plantlet formation in *Guizotia abyssinica* Cass. (Niger). (2014). **Indian Journal of Plant Physiology**, 19 (3), pp. 263-272. DOI: 10.1007/s40502-014-0108-5

25. **Ghane, S.G.**, Lokhande, V.H., Nikam, T.D. Growth, physiological, and biochemical responses in relation to salinity tolerance for *in vitro* selection in oil seed crop *Guizotia abyssinica* Cass. (2014). **Journal of Crop Science and Biotechnology**, 17 (1), pp. 11-20. DOI: 10.1007/s12892-013-0084-8

26. **Ghane, S.G.,** Lokhande, V.H., Nikam, T.D. Differential growth, physiological and biochemical responses of niger (**Guizotia abyssinica** Cass.) cultivars to water-deficit (drought) stress. (2012). **Acta Physiologiae Plantarum**, 34 (1), pp. 215-225. DOI: 10.1007/s11738-011-0820-y **Impact factor 2.6**

27. Nikam TD, Patil JG, Ahire ML, Ghane SG, Nitnaware KM, Naikawadi VB Axillary multiplication of Ceropegia mahabalei Hemadri & Ansari and Ceropegia media (Huber)

Ansari: Critically endangered ethno medicinal herbs of western ghats, Maharashtra state of India. 2012 International Journal of Plant Developmental Biology 6(1): 27-33

28. Ahire, M.L., **Ghane, S.G.**, Lokhande, V.H., Suprasanna, P., Nikam, T.D. Micropropagation of *Uraria picta* through adventitious bud regeneration and antimicrobial activity of callus. (2011). **In Vitro Cellular and Developmental Biology - Plant**, 47 (4), pp. 488-495. DOI: 10.1007/s11627-011-9362-7 **Impact factor 2.6**

29. Lokhande, V.H., Nikam, T.D., **Ghane, S.G.**, Suprasanna, P. *In vitro* culture, plant regeneration and clonal behaviour of *Sesuvium portulacastrum* (L.) L.: A prospective halophyte. (2010). **Physiology and Molecular Biology of Plants**, 16 (2), pp. 187-193. DOI: 10.1007/s12298-010-0020-z **Impact factor 3.5**

30. Ghane, S.G., Lokhande, V.H., Ahire, M.L., Nikam, T.D. *Indigofera glandulosa* Wendl. (Barbada) a potential source of nutritious food: Underutilized and neglected legume in India. (2010). **Genetic Resources and Crop Evolution**, 57 (1), pp. 147-153. DOI: 10.1007/s10722-009-9496-1 **Impact factor 2.0**

31. Nikam, T.D., **Ghane, S.G.**, Nehul, J.N., Barmukh, R.B. Induction of morphogenic callus and multiple shoot regeneration in *Momordica cymbalaria* Fenzl. (2009). **Indian Journal of Biotechnology**, 8 (4), pp. 442-447. **Impact factor 0.324**

Publications: Book Chapters (49)

43 Book Chapters published/ accepted for publication in Books on Medicinal Plants series by Apple Academic Press Inc. (For the details of chapters, please refer the link AAP Focus on Medicinal Plants | Apple Academic Press)

1. Rahul L. Zanan and **Savaliram G. Ghane.** 2022. Phytochemistry and Pharmacology of Critically Endangered Plant: *Nardostachys jatamansi* (D. Don) DC. (Family: Caprifoliaceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

2. Harsha V. Hegde, Pradeep Bhat, Santoshkumar Jayagoudar, and **Savaliram G. Ghane.** 2022**.** Biomolecules and Pharmacology of *Alangium salviifolium* (L.f.) Wangerin (Family: Cornaceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

3. Santoshkumar Jayagoudar, Pradeep Bhat, Harsha V. Hegde, and **Savaliram G. Ghane.** 2022**.** Traditional Uses, Bioactive Compounds and Pharmacological Properties of the Genus *Alseodaphne* (Family: Lauraceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

4. Rahul L. Zanan, Shreedhar S. Otari, Suraj B. Patel, and **Savaliram G. Ghane. 2022.** Pharmacology and Bioactives of Agarwood Yielding Tree—*Aquilaria malaccensis* Lam. (Family: Thymelaeaceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

5. Shreedhar S. Otari, Suraj B. Patel, Manoj M. Lekhak, and **S. G. Ghane. 2022.**

Phytoconstituents and Therapeutic Potential of *Barleria prionitis* L. (Family: Acanthaceae), in: T. Pullaiah, Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

6. **Savaliram G. Ghane**, Shreedhar S. Otari, Suraj B. Patel, and Rahul L. Zanan Phytochemistry and Pharmacology of Himalayan Miracle Herb - *Bergenia ciliata* (Haw.) Sternb. (Family: Saxifragaceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

7. Pradeep Bhat, Santoshkumar Jayagoudar, Harsha V. Hegde, and **Savaliram G. Ghane**. 2022. Ethnobotany, Bioactive Compounds and Pharmacology of *Cinnamomum verum* J. S. Presl (Family: Lauraceae), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

8. **Savaliram G. Ghane** and Rahul L. Zanan Ethnopharmacology and Phytochemistry of Kewda [*Pandanus odorifer* (Forssk.) Kuntze; Family: Pandanaceae], in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Medicinal Plants. Apple Academic Press, USA

9. Suraj B. Patel, Shreedhar S. Otari, Rahul L. Zanan, and **Savaliram G. Ghane. 2022.** *Luffa acutangula* (Roxb.) L.: An Important Source of Food and Medicine, in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

10. Savaliram Ghane. 2022. Phytochemistry and Bioactive Potential of Bristly Luffa [*Luffa echinata* Roxb. (Family: Cucurbitaceae)], in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

11. **Savaliram G. Ghane** and Rahul L. Zanan. 2022. Phytoactives and Pharmacology of Indian Screw Tree (*Helicteres isora* L.), in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

12. **Savaliram G. Ghane** and Rahul L. Zanan. 2022. Bioactive Potential of *Zanthoxylum armatum* (Thunb.) Druce (Family: Rutaceae): An Aromatic Medicinal Shrub, in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

13. Suraj B. Patel, Shreedhar S. Otari, Rahul L. Zanan, and **Savaliram G. Ghane. 2022.** *Trichosanthes kirilowii* Maxim.: A Pharmacologically Most Active Snakegourd, in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

14. **Savaliram G. Ghane** and Rahul L. Zanan, 2022. Biomolecules and Bioactivities of Pandan Wangi (*Pandanus amaryllifolius* Roxb.; Family: Pandanaceae), in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

15. **Savaliram G. Ghane. 2022.** *Luffa cylindrica* (L.) M.Roem. (Family: Cucurbitaceae): The Principal Source of Food and Medicine, in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

16. Manoj M. Lekhak, Shreedhar S. Otari, Suraj B. Patel, and **S. G. Ghane** The Medicinal Potential of Broad-Leaved Crinum (*C. latifolium* L., Family: *Amaryllidaceae*), 2022, in: T. Pullaiah, Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

17. Rahul L. Zanan, Suraj B. Patel, Shreedhar S. Otari, and **Savaliram G. Ghane. 2022.**

Phytochemicals and Bioactivities of Devil's Claw: *Martynia annua* L. (Family: Martyniaceae), in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

18. **Savaliram G. Ghane** and Rahul L. Zanan. 2022 *Paris polyphylla* Sm. (Family: Melanthiaceae): The Most Important Himalayan Medicinal Plant, in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

19. **Savaliram G. Ghane** and Rahul L. Zanan. 2022. Pharmacology and Secondary Metabolites from Morning Glory [*Argyreia nervosa* (Burm.F.) Bojer, Family: Convolvulaceae], in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

20. Jitendra R. Patil, **Savaliram G. Ghane**, and Ganesh C. Nikalje. 2022. Biomolecules and Pharmacology of Hortia Sp. (Family: Rutaceae), in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

21. Pradeep Bhat, Santoshkumar Jayagoudar, Harsha V. Hegde, and **S. G. Ghane. 2022.** Phytoconstituents and Pharmacological Activities of Tree Turmeric [*Coscinium fenestratum* (Goetgh.) Colebr.], in: T. Pullaiah (Ed.), Biomolecules and Pharmacology of Medicinal Plants,.Apple Academic Press, USA

22. Pradeep Bhat, Harsha V. Hegde, **Savaliram G. Ghane**, Santoshkumar Jayagoudar. 2022. Phytoconstituents and Biological Activities of *Caesalpinia mimosoides* Lam., in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Legumes. Apple Academic Press, USA

23. Jitendra R. Patil, **Savaliram G. Ghane**, and Ganesh C. Nikalje. 2022. Bioactives and Pharmacology of *Derris scandens* (Roxb.) Benth., in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Legumes. Apple Academic Press, USA

24. Suraj B. Patel and **Savaliram G. Ghane** *Diplocyclos palmatus* L.) C. Jeffrey: An Important Medicinal Striped Cucumber, in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

25. Suraj B. Patel and **Savaliram G. Ghane. 2022.** Ethnopharmacology and Phytochemistry of *Lagenaria siceraria* (Molina) Standl., in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

26. Shreedhar S. Otari and **Savaliram G. Ghane. 2022.** Chemical Composition and Bioactivities of Great Mullein [*Verbascum thapsus L.* (Family: Scrophulariaceae)], in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

27. Harsha V. Hegde, Santoshkumar Jayagoudar, Pradeep Bhat, and **Savaliram G. Ghane, 2022.** An Account of Traditional Uses, Bioactive Compounds and Pharmacological Activities of the Genus *Hydnocarpus* (Family: *Achariaceae),* in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

28. **Savaliram G. Ghane** and Rahul L. Zanan, 2022. Phytoconstituents and Pharmacological Activities of Star Fruit *[Averrhoa carambola* L. (Family: Oxalidaceae)], in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

29. Jitendra R. Patil, **Savaliram G. Ghane**, and Ganesh C. Nikalje. 2022. Bioactives and Pharmacology *Avicennia marina* (Forssk.) Vierh., in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

30. **Savaliram G. Ghane**, Santoshkumar Jayagoudar, Pradeep Bhat, Rahul L. Zanan. 2022. Phytochemical Potential and Pharmacology of *Ephedra alata* Decne., in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

31. Suraj B. Patel, Pradeep Bhat, Santoshkumar Jayagoudar, Rahul L. Zanan, and **Savaliram G. Ghane. 2022.** *Ephedra sinica* Stapf: An Exemplary Source of Ephedrine-Type Alkaloids. in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

32. Pradeep Bhat, Harsha V. Hegde, **Savaliram G. Ghane**, Santoshkumar Jayagoudar. 2022. Devil's Cherry *(Atropa belladonna* L.): A Systematic Review of Its Phytoactives and Pharmacological Properties, in: T. Pullaiah (Ed.), Phytochemistry and Pharmacology of Medicinal Plants. Apple Academic Press, USA

33. Shreedhar S. Otari, Suraj B. Patel, and **Savaliram G. Ghane. 2023.** Phytoconstituents and Pharmacology of *Leucas aspera* L.: An Important Aromatic Weed., in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Lamiaceae. Apple Academic Press, USA

34. **Savaliram G. Ghane**, Pradeep Bhat, Harsha V. Hegde, Rahul Zanan, and Santoshkumar Jayagoudar Ethnobotany, Phytochemistry and Pharmacological Overview of Rosemary *(Rosmarinus officinalis* L.), in: T. Pullaiah (Ed.), Bioactives and Pharmacology of Lamiaceae. Apple Academic Press, USA

35. Santoshkumar Jaygoudar, Harsha V. Hegde, Pradeep Bhat, **Savaliram G. Ghane.** 2023. Phytochemistry and Ethnopharmacological Review of Autumn Crocus *(Colchicum autumnale* L.), in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

36. Rahul L. Zanan and **Savaliram G. Ghane**. 2023. The Genus Atalantia: A Comprehensive Review of Phytoconstituents, Ethnobotany, and Pharmacological Bioactivities, in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

37. Harsha V. Hegde, Santoshkumar Jayagoudar, Pradeep Bhat**, S. G. Ghane.** 2023. Ethnobotanical Uses, Phytochemistry and Pharmacological Activities of *Cryptolepis dubia* (Burm.F.) M. R. Almeida, in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

38. Pradeep Bhat, Harsha V. Hegde, **Savaliram. G. Ghane**, Santoshkumar Jayagoudar. 2023. Traditional Uses, Bioconstituents, and Pharmacological Aspects of Autumn Olive (*Elaeagnus umbellata Thunb.*), in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

39. Santoshkumar Jayagoudar, **S. G. Ghane**, Pradeep Bhat, Harsha V. Hegde, Rahul Zanan. 2023. Bioactive Constituents and Pharmacological Properties of *Ephedra gerardiana* Wall. ex

Stapf and *Ephedra intermedia* Schrenk & C. A. Mey., in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

40. **Savaliram G. Ghane** and Rahul L. Zanan. 2023. Biomolecules and Therapeutics of *Eriobotrya japonica* (Thunb.) Lindl., in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

41. Harsha V. Hegde, Pradeep Bhat, Santoshkumar Jayagoudar, **Savaliram G. Ghane.** 2023. Star Anise (*Illicium verum* Hook. F.): A Systematic Review on Its Traditional Uses, Bioactive Resources, and Pharmacological Properties, in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

42. **Savaliram G. Ghane**, Pradeep Bhat, Harsha V. Hegde, Santoshkumar Jayagoudar. 2023. *Leptadenia reticulata* (Retz.) Wight & Arn.: A Review on Pharmacological Properties and Bioactives, in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

43. Pradeep Bhat, Santoshkumar Jayagoudar, Harsha V. Hegde, **Savaliram G. Ghane**. 2023. A Systematic Review on Traditional Uses, Phytoconstituents, and Pharmacological Properties of the Genus *Pimpinella* (Family: Apiaceae), in: T. Pullaiah (Ed.), Phytochemical Composition and Pharmacy of Medicinal Plants, Apple Academic Press, USA

44. Pradeep Bhat, Santoshkumar Jayagoudar,*, Sachet Hegde, Savaliram G. Ghane and Harsha V. Hegde. 2023 *Decalepis hamiltonii* Wight & Arn.: An Overview of its Bioactive Constituents and Conservation Strategies. Micropropagation of Medicinal Plants, Vol. 1

45. Sachet Hegde, Pradeep Bhat, Santoshkumar Jayagoudar, Savaliram G. Ghane and Harsha V. Hegde. 2023. Micropropagation of Pharmaceutically Important Plant *Tinospora cordifolia* (Willd.) Hook. f. & Thomson: An Overview. Micropropagation of Medicinal Plants, Vol. 1

46. Santoshkumar Jayagoudar, Pradeep Bhat, Sachet Hegde, Savaliram G. Ghane and Harsha V. Hegde. 2023. A Systematic Review of Phytoconstituents and Tissue Culture Studies of the genus Hoya R. Br. Micropropagation of Medicinal Plants, Vol. 1

47. S. S. Otari and S G. Ghane. Bioactive Compounds and Biological Activities of the Genus Pancratium. 2023 Reference Series in Phytochemistry. Bioactive Compounds in the Storage Organs of Plants. https://link.springer.com/referencework/10.1007/978-3-031-29006-0

48. S. S. Otari and S G. Ghane. Bioactive Compounds and Biological Activities of Drimia Species. 2023 Reference Series in Phytochemistry. Bioactive Compounds in the Storage Organs of Plants https://link.springer.com/referencework/10.1007/978-3-031-29006-0

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Ph.D. Supervision:

Sr. No.	Student	Thesis title	Status
1	Mr. S. B. Patel	Optimized extraction of selected bioactives and green synthesis of silver nanoparticles from *Diplocyclos palmatus* (l.) C. Jeffreyz	Awarded
2	Mr. S. S. Otari	Bioprospecting and Conservation of selected *Barleria* species	Working

Present work:

1. Bioactive potential and conservation of selected *Barleria* species
2. Phytochemical characterization of Indian *Strobilanthus* species
3. Influence of LED light on growth kinetics and bioactive metabolites
4. Green synthesis of silver nanoparticles and their bioactivities

Honors, Fellowships, Grants, and Awards

Core Research Grant, SERB	2014-2018
Start Up Research Grant, UGC	2014-2016
Research strengthening Grants, SUK	2019-2022
Research Strengthening Scheme (RSS)	2023-2024

Skills

Computer: Operating systems (Windows), Office suites (Microsoft Office, Libre office), Statistical software: Minitab, Design Expert, Past, JMP

Languages: English, Hindi, Marathi