

CURRICULUM VITAE (C.V.)



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Educational Qualifications

Examinations	University/ Board	Special subject
Bachalors Degree	Pune	Chemistry
Masters Degree	Pune	Organic Chemistry
Ph.D.	Bharati Vidyapeeth (Deemed to be) University	Natural Product

Title of the Thesis for Ph.D:

“Isolation and characterization of the components from the leaves of *Ipomoea carnea* and evaluation of bioactivity.”

Teaching Experience:

A] Under-Graduate Level : 15 years
B] Post-Graduate Level : 15 years

Awards and Honours: (2)

- 1. Received** UGC grants Rs. 85,000/- for Minor Research Project entitled “**Entomological investigation of *Ipomoea carnea* leaves**”. (2013-2015)
- 2. Received** Research Cell, Bharati Vidyapeeth University grants Rs. 45,000/- for Minor Research Project entitled “**Chemical investigation with Bioactivity Study of a Medicinal Plant *Tribulus Terrestris*” in the subject Chemistry**” (2013)

i) Research Papers published(23)

1. Hazardous elements of green manure-*Ipomoea carnea*, **Vaishali Adsul**, Eliza Khatiwora, Sapana Shah, Nirmala Deshpande, *Asian Journal of Chemistry*, **20 (6)**, 4393-396, (2008).
2. Identification of Amino Acids present in the leaves and stem of *Ipomoea carnea*, **V. B. Adsul**, E. Khatiwora, N. R. Deshpande, *Asian Journal of Chemistry*, **21(6)**, 4409-4412, (2009).
3. GC-MS Study of fatty acids, esters, alcohols from the leaves of *Ipomoea carnea*, **Vaishali B. Adsul**, Eliza Khatiwora, Mani Kulkarni, Amruta Tambe, Pushpa pawar, N. R. Deshpande, *International Journal of Pharm Tech Research*, **1(4)**, 1224-1226, (2009).
4. Antibacterial activities of *Ipomoea carnea* stem, E. Khatiwora, **V. B. Adsul**, Anjali Ruikar, N. R. Deshpande, R. V. Kashalkar, *Biosciences, Biotechnology Research Asia*, **7(1)**, 413-417, (2010).
5. Spectroscopic determination of total phenol and flavonoid contents of *Ipomoea carnea* stem, Eliza Khatiwora, **Vaishali B. Adsul**, Manik M. Kulkarni, N. R. Deshpande and R. V. Kashalkar, *International Journal of Pharm Tech Research*, **2(3)**, 1698-1701, (2010).
6. Proximate analysis and quantification of steam volatiles, acid, phenol, base and neutral components from the leaves and stem of *Ipomoea carnea*, **Vaishali Adsul**,

- Eliza Khatiwora, Anjali Ruikar, Pushpa Pawar, Nirmala Deshpande, *Biosciences, Biotechnology Research Asia*, **7(2)**, 957-961, (2010).
7. Antioxidant activity of *Ipomoea carnea* stem, E. Khatiwora, **V. B. Adsul**, R. Torane, N. R. Deshpande, R. V. Kashalkar, *J. Pharmacy Research*, **4(1)**, 161-163, (2011).
 8. Comparative evaluation of different concentrations of *Mimusops elengi* (L) extract as an antimicrobial agent against salivary micro flora, Rahul R. Deshpande, Anjali Ruikar, Priya S. Panvalkar, Ankur A. Kulkarni, Eliza Khatiwora, **Vaishali Adsul**, Arohi Kulkarni, Nirmala R. Deshpande, *J. Biomed Sci. and Res.*, **2(3)**, 151-154, (2010).
 9. Evaluation of *In Vitro* Nitric Oxide Scavenging Activity of Medicinal Plant- *Ehretia laevis* Rasika C. Torane, **Vaishali B. Adsul**, Chandrakant D. Shendkar and Nirmala R. Deshpande, *Asian Journal of Research in Chemistry*, **04 (12)**, December, 1864-1865, (2011).
 10. Antioxidant Activity of Aerial Parts of *Tecoma stans*, Rasika C Torane, Gayatri S Kamble, **Vaishali B Adsul** , Chandrakant D Shendkar and Nirmala R Deshpande, *International Journal of Chemical and Analytical Science*, **Vol 2, No 8** 130-132 (2011).
 11. HPTLC as a Standardization Tool : Dibutyl Phthalate isolated from *Ipomoea carnea* leaves, **Vaishali Adsul** , Eliza Khatiwora, Asha Kale, Nirmala Deshpande, *Journal of Pharmacy Research*, **Vol 4, No 7** 2239-2240, (2011).
 12. Spectroscopic determination of Total Phenolic and Flavonoid contents of *Tribulus terrestris* fruits. Navnath Patil, **Vaishali Adsul**, Eliza Khatiwora, Asha Kale, Shilpa Tambe, Nirmala Deshpande, *International Journal of Pharm Tech Research*, **4(3)**, 899-902, (2012).

13. Isolation and characterization of Dibutyl phthalate from the leaves of *Ipomoea carnea*, **V. B. Adsul** , E. Khatiwora, R. C. Torane, N. R. Deshpande, *Chemistry of Natural Compound*, **Vol 48, No 4** 589-590, (2012).
14. Isolation and characterization of an aliphatic saturated ester from the leaves of *Ipomoea carnea*, **V. B. Adsul** , E. Khatiwora, G. S. Kamble, N. R. Deshpande, *Chemistry of Natural Compound*, **Vol 48, No 4** 635-636, (2012)
15. Antimicrobial activities of *Ipomoea carnea* leaves, **V. B. Adsul** , E. Khatiwora, Rasika Torane, N. R. Deshpande, *Journal of Natural product Plant Resource*, **Vol 2, No 5**,597-600, (2012).
16. Evaluation of Antioxident activity of *Ipomoea carnea* leaves, **Vaishali Adsul** , Eliza Khatiwora, N. R. Deshpande, *Journal of Natural product Plant Resource*, **Vol 2, No 5**,584-588, (2012).
17. Quantification of a phytotoxin from Walnut species by HPTLC method Asha kale, Sucheta Gaikwad, **Vaishali Adsul** , N. R. Deshpande, Jyoti Salvekar, *International Journal of Pharmacy and Pharmaceutical Science*, **Vol 5, No 5**,supply 4, (2013).
18. Isolation and characterization of a substituted Anthraquinone: a bioactive Compound from *Cassia auriculata* L. Gaikwad, S., Lawate S., **Adsule V.**, Gadkari, T., Deshpande, N. R. and Salvekar, J. P. *Indian Journal of Advances In plant Research (IJAPR)*, **1(5)**:8-11, (2014).
19. Isolation and Characterization of *para*-hydroxy quinone from *Morinda Pubescence* leaves. Swati M. Devare,**Vaishali B. Adsul** , Navin S. Suryawanshi, Kamalakar M. Kalal Nirmala R. Deshpande and Jyoti P. Salvekar. *J. Nat. Prod. Plant Resour.*, 2013, 3 (4):72-74, (2013).

20. Larvicidal activity of *Ipomoea carnea* stem extracts and its active ingredient dibutyl phthalate against *Aedes aegypti* and *Culex quinquefasciatus*. E. Khatiwora, **V.B.Adsul**, P.Pawar, M. Joseph, N.R. Deshpande, R.V. Kashalkar *Der Phar Chemica*, **6 (1)**, 155-161.(International), (2014).
21. Isolation and characterization of substituted dibutyl phthalate from *Ipomoea carnea* stem” E. Khatiwora, **V. B. Adsul**, M. Kulkarni, N. R. Deshpande and R. V. Kashalkar *Der Phar Chemica*, **5 (5)**, 5-10. (International) (2013).
22. Detection of carbohydrates from ipomoea carnea leaves, **Vaishali B. Adsul** ,E. Khatiwora, Sucheta Gaikwad, Swati M. Devare, Nirmala R. Deshpande, *Asian Journal of Multidisciplinary Studies*, **3, (8)**, 2348-7186, (2015).
23. A steam volatile bioactive molecule from *Ipomoea carnea* leaves, **Vaishali B. Adsul**, Elija Khatiwora, Pushpa Pawar and Nirmala R. Deshpande, *Der Pharmacia Lettre*, **7 (11)**:54-61(2015)
24. Spectroscopic determination of total phenol and flavonoid contents of citrus limon peel from north eastern region of india, Elija Khatiwora, Vaishali B Adsul, Rasika C Torane, Sucheta Gaikwad, Nirmala R Deshpande, Rajashree V Kashalkar, *Journal of Drug delivery and therapeutics* **7 (1)**, 21-24, (2017)
25. Comparative Estimation of Phenol and Flavonoid Content of Medicinally Important Plant – *Amaranthus carentus*, Rasika C Torane, Elija Khatiwora, Vaishali B Adsul, Sucheta Gaikwad, *International Journal of ChemTech Research*, **10, (4)**, 306-310 (2017)

ii) **Research posters presented in Conferences:**

1. "Detection of Amino Acids Present in the Leaves and Stem of *Ipomoea carnea*". Poster presented in Global Ayurved Conference & Health Expo on 9, 10, 11th Jan. 2009 organized by Faculty of Ayurveda, Bharati Vidyapeeth University, Pune.
2. "Toxic effects of *Ipomoea carnea* leaves against *Aedes aegypti* and *Culex quinquefasciatus*". Poster presented in National Conference on Traditional Medicines organized by Department of Chemistry and Botany, Arts, Commerce and Science College, Narayangaon, Junnar, Pune on 27th & 28th Feb 2009.
3. "Antimicrobial activity of *Embelia basal* A. DC. - a Medicinal Plant". Poster presented in National Conference on EMI organized by NCL, Pashan, Pune on 15th to 18th Dec. 2009.
4. "Isolation and characterization of steam volatile compound from *Ipomoea carnea* leaves". Poster presented in International Conference on Emerging Trends in Chemistry organized by University of Pune, Department of Chemistry, Pune, on 5th to 7th Jan 2010.
5. "Antimicrobial activities of *Ipomoea carnea* leaf." Poster presented in National Conference on New Frontiers In Herbal and Synthetic Drug Studies, organized by M. C. E. Society's Abeda Inamdar Senior College of Arts, Science and Commerce, Pune, on 15th to 18th Dec. 2009.
6. Quantification of Dibutyl phthalate from *Mimusops elengi* by HPTLC. Anjali Ruikar, Vaishali Adsul, Vedavati Puranik, Nirmala Deshpande,. Organized by Anant Pharma Poster Presentation Competition, National Level, Bhor. On 8th and 9th June 2011.
7. "Larvicidal activity of *Ipomoea carnea* extracts against *Aedes aegypti* and *Culex quinquefasciatus*." Poster presented in International Conference on Current Trends in Medicinal Plants Research organized by University of Pune, Department of Botany, Pune, on 10th to 12th Jan 2012.

Research Experience:

I) Ph. D. Scholars registered the supervision and guidance: (02)

Sr.	Name of the scholar	Topic of the research
1.	Ms. Ketaki Upadhye	Synthesis, characterization of CaIn_2S_4 , CoAl_2O_4 , MoO_3 Nanostructured composite materials and their Photocatalytic Applications
2.	Ms. Manju Tripathi	Isolation and Characterization of components from from the leaves of <i>Amaranthus viridis</i> .