

## 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 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** : 14 years  
**B| Post-Graduate Level** : 14 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 Resarch 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)

**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 9,10,11<sup>th</sup> 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 27<sup>th</sup> & 28<sup>th</sup> 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 15<sup>th</sup> to 18<sup>th</sup> 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 5<sup>th</sup> to 7<sup>th</sup> 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 15<sup>th</sup> to 18<sup>th</sup> 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 8<sup>th</sup> and 9<sup>th</sup> June 2011.
7. "Larvicidal activity of *Ipomoea carnea* extracts against *Aedes aegypti* and *Culex quiquefasciatus*." Poster presented in International Conference on Current Trends in Medicinal Plants Research organized by University of Pune, Department of Botany, Pune, on 10<sup>th</sup> to 12<sup>th</sup> Jan 2012.

**Research Experience:**

**I) Ph. D. Scholars registered the supervision and guidance: (01)**

Sr.	Name of the scholar	Topic of the research
1.	Ms. Ketaki Upadhye	Synthesis, characterization of $\text{CaIn}_2\text{S}_4$ , $\text{CoAl}_2\text{O}_4$ , $\text{MoO}_3$ Nanostructured composite materials and their Photocatalytic Applications