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Research & Development Profile



Dr. Gayatri S. Kamble
Experience: 10 Years
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Department of First Year Engineering

International Journal Publication Papers:

1. Detection of Free Amino Acids from *Embelia Basal*, **Gayatri S. Kamble**, Swati M. Devare, Sapana M. Shah, Nirmala R. Deshpande and Jyoti P. Salvekar. *Asian Journal of Chemistry*, **21**(6), 4429-4432, 2008.
2. Determination of Mineral Composition and Metal Content of Nutraceutically Valued Plant- *Embelia basal* **Gayatri S. Kamble**, R. C. Torane, A. D. Ruikar, N. R. Deshpande and Jyoti P. Salvekar. *International J. of Chemical and Analytical Science*, **1**(9), 208-210, 2010.
3. GC-MS Study of Fatty Acids and Esters from *Embelia basal* **Gayatri S. Kamble**, R. C. Torane, N.A.Ghayal, A.A.Tambe, N.R.Deshpande and J P. Salvekar. *Journal of Pharmacy Research*, **3**(11), 2608-2609, 2010.
4. Biological evaluation of a Steam Volatile Components From Fruits of *Embelia basal* **Gayatri S. Kamble**, R. C. Torane, A. A. Kale, N. R. Deshpande and J. P. Salvekar. *Journal of Pharmacy Research*, **4**(6), 1640 – 1641, 2011.
5. Antimicrobial Potential of Medicinal plant - *Embelia basal* **Gayatri S. Kamble**, R. C. Torane, N. R. Deshpande and J. P. Salvekar. *International J. of pharma and bio - sciences*, **2**(2), 197 -2012011.
6. Evaluation of Free Radical Scavenging Potential of *Embelia basal* **Gayatri S. Kamble**, R. C. Torane, N. R. Deshpande and J. P. Salvekar. *Journal of chemical and Pharmaceutical Research*, **3**(2), 465-471, 2010.

7. Preliminary Phytochemical Screening and Nutritional Analysis of Leaves of *Ehretia laevis*. Rasika C. Torane, **Gayatri S. Kamble**, Pranav C. Chandrachood, N. R. Deshpande , *J. Pharm. Res.*, **3**(6), 1384-1385, 2010.
8. Removal of Methylene Blue from Aqueous Solution Using Biosorbent. Rasika C. Torane, **Gayatri S. Kamble**, Kavita S. Mundhe, Asish A. Bhave , Rajashree V. Kashalkar and N. R. Deshpande, *Der Pharma Chemica*, **2**, 171-177, 2010.
9. In-vitro antioxidative activity of phenolic and flavonoid contents of leaves of medicinal plant – *Ehretia laevis*. R C. Torane, **Gayatri S. Kamble**, S. V. Upadhye, Nirmala R. Deshpande *Int. J. Pharm. Bio Sci.* **1**, 810-815, 2011.
10. GC-MS Study of Nutritious Leaves of *Ehretia laevis*,R.C.Torane, **Gayatri S. Kamble**, T. V. Gadakari, A. S. Tambe, N. R. Deshpande *Int. J. Chem. Tech Res.*, **3**, 1589–1591, 2011.
11. Antioxidant Capacity of Leaves and Stem Of *Ehretia Laevis*.Rasika C. Torane, **Gayatri S. Kamble**, Eliza Khatiwora, Nirmala R. Nivedita Ghayal, Nirmala R. Deshpande. *Int. J. Pharm. Pharm. Sci.*, 2011, **3**, 149-151.
12. Evaluation of phenol and flavonoid content from aerial parts of *Tecoma stans* Rasika C. Torane, Sangita M.Lavate, Ravindra B. Jadhav, **Gayatri S. Kamble**, N. R. Deshpande.*Int. J. Pharm. Pharm. Sci.*, 2011, **3**, 126-127.
13. Antioxidant Activity of Aerial Parts of *Tecoma stans*.Rasika C. Torane, **Gayatri S. Kamble**, Vaishali A. Adasul, C. D.Shendkar, Nirmala R. Deshpande. *Int. J. Chem. Ana. Sci.*, 2011, **2**, 130-132.
14. Quantification of Dioctyl phthalate from *Ehretia laevis Roxb* by HPTLC. Rasika C. Torane, **Gayatri S. Kamble**, Tushar V. Gadkari, N. R. Deshpande.J. of Chemical and Pharmaceutical Research,3(3), 48-51, 2011.
15. Preliminary Screening of Amino Acids from a Medicinal Plant *Morinda pubescence* Swati M. Devare; **Gayatri S. Kamble**, Rasika C. Torane, Nirmala R. Deshpande and Jyoti P. Salvekar. *J. of Chemical and Pharmaceutical Research*, 2011, **3**(3), 192-195.
16. Detection of Amino Acids from an edible plant- *Cleome viscose* Sangita M. Lavate; C. D. Shendkar; **Gayatri. S. Kamble**; A. A. Kale, J. P Salvekar, Nirmala. R Deshpande, International J. of Pharmtech Research, 3(2), 925-928, 2011.
17. Identification of metals found in the leaves of *Chonemorpha fragrance* Pranav C. Chandrachood, **Gayatri S. Kamble**, Manik kulkarni , Nirmala R. Deshpande and Rajashree V. Kasalkar.International Research Journal of Biosciences, Biotechnology Research Asia,**6**(2), 11-814 2009.
18. Antimicrobial Screening of Medicinal Plant-*Artemisia pallens*" Anjali D. Ruikar, **Gayatri S. Kamble**, Rasika C. Torane, Vedavati G. Puranic, Nirmala R. Deshpande, *International J. of Pharmatake Research*, **1**(4),pp 1164-1166 2009.
19. In vitro Evaluation of Free Radical Scavenging Potential *Cassia auriculata L.*Sucheta A. Gaikwad, **Gayatri S. Kamble**, Nirmala R. Deshpande and Jyoti P. Salvekar *J. Chem. Pharm. Res.*, **3**(4), 766-772, 2011.
20. A Comparative evaluation of antimicrobial activity of acetone extract of *Embelia basal*, *clohex*, and *S- flo* against salivary microflora of mixed dentition age group.Rahul R.

Deshpande, Pallavi K. Kakade, **Gayatri S. Kamble**, Nirmala R. Deshpande, *Journal of Pharmacy Research*, 4(10), 2011.

21. In vitro Anthelmintic Activity of Stem bark of *Juglans regia L.*Asha A. Kale, Sucheta A. Gaikwad, **Gayatri S. Kamble**, Nirmala R.Deshpande and Jyoti P. Salvekar, *J. Chem. Pharm. Res.*, 3(2), 298-302, 2011.
22. Thermal Evaluation of bioactive p-Hydroxy-m-nitro Acetophenone and it's metal Complexes, S. M. Devare, S. S. Lavate, **Gayatri S. Kamble**, N. R. Deshpene, J. P. salvekar, *Der Pharma Chemica*, 6(1), 418-426, 2014.,
23. Synthesis, Characterization and Electrochemical Study of Bioactive Ligand, 4- Hydroxy-3-nitroacetophenone, S. M. Devare, **Gayatri S. Kamble**, A. A. Athawale, N. R. Deshpene, *J. P. salvekar*, *GJRR*,1(1), 027-032, 2014.

International Conference :

1. **“Screening of Medicinally important plant-*Embelia* species ”**
MACS- Agharkar Research Institute Pune, XVIth Annual Conference of Indian Association for Angiosperm taxonomy and International Seminar On Present trends and Future Prospects Of Angiosperm Taxonomy(oct.4-6, 2006)
2. **“*Embelia basal* fruits - A potent source of biologically important metals”**
Second World Ayurveda Conference, University of Pune (10th-12th Nov. 2006).
3. **“GC-MS Study of *Embelia basal* Fruits –an Ayurvedic Plant”**
Global Ayurveda Conference & Health Expo, by Faculty of Ayurveda, Bharati Vidyapeeth University, Pune (9th to 11th Jan 2009).
4. **“Isolation and Characterization of a Steam Volatile Compound from *Embelia basal*”** at, INSA Platinum Jubilee International Symposium on Research in Molecular Medicine Based on Natural Resources and Traditional Knowledge held from 21st to 23rd November 2009 at NCL, Pune(India)

National Conference Papers:

1. **A Comparative Evaluation of Antimicrobial Activity of Bioactive Isolate of *Embelia basal* Against Salivary Micro Flora of Mixed Dentition Age** paper presented in National Conference on Technical Revolution, ABMSP's Anantrao Pawar College of Engineering and Research, Paravati, Pune 16-17 Feb. 2017.
2. **Antioxidant Scavenging Potential of Medicinal Plant-*Embelia basal***
Achievement: **Awarded by Best Paper presentation** in National Conference on Technical Revolution, ABMSP's Anantrao Pawar College of Engineering and Research, Paravati, Pune 10-11 March 2016.
3. **In Vitro Free Radical Scavenging Potential of Medicinal Plant-*Embelia basal***
National Conference on Advance Organic Chemistry, Poona College of Arts, Science and Commerce, Camp, Pune, 5-6 Feb. 2016.

4. **Total Phenol and Flavonoid Scavenging Potential of Medicinal Plant-*Embelia basal*** National Conference on Technical Revolution, ABMSP's Anantrao Pawar College of Engineering and Research, Paravati, Pune 09, 9-10 Jan. 2015.
5. 1.“Correlations between Thermal and Electrochemical Energies of Hydroxy-Naphthoquinone and its derivatives” Silver Jubilee Conference of Indian Council of Chemist, Kalyan, 26th -28th December 2006.
6. 2. “Synthetic Strategy for Preparation of Monomer and Mixed valent Dimers of Mn Complexes using Oxidative- Reductive Procedure and their Characterization” Silver Jubilee Conference of Indian Council of Chemist, Kalyan, 26th -28th Dec. 2006.
7. “Preliminary Study of Medicinally important plant-*Embelia species*” One day seminar held at **S. P. Collage, Pune**, 30th august 2007.
8. “Synthesis and Characterization of Biologically Active 1-[4-(2'-hydroxy-ethoxy)-phenyl]-ethanone” 11th CRSI National Symposium in Chemistry, organized by NCL-Pune, 6th- 8th Feb 2009.
9. “A Metabolic Study of Metal Ions from an Ayurvedic Plant- *Embelia basal*” National Conference on Traditional Medicines organized by Department of Chemistry and Botany, Arts, Commerce and Science College, Narayangaon, Junnar, Pune, 27th- 28th February 2009.
10. “Antimicrobial activity of *Embelia basal*” - a Medicinal Plant” in 50th Annual Conference Association of Microbiologists of India organized by National Chemical Laboratory, Pune from December 15-18, 2009.

Workshop/STTP:

Sr. No.	Name of STTP Program/Workshop	Place/Institute Name	No. of Days	Month & Year
1	“Research Opportunities in Science & Technology the global perspective” deliver a talk as a Resource Person in one day workshop on “How to draft a Research Proposal”.	Department of Civil Engineering, ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune-09,	1	31 st Aug. 2017
2	“Designing Laboratory Sessions for Meaningful Learning in Undergraduate Chemistry” State level workshop under Q. I. P.	S. P. College, Pune in association with B.C.U.D. Savitribai Phule Pune University	2	4-5 Jan. 2016.
3	“Structure Based Drug Design”.	Sinhgad College of Pharmacy, Pune	1	8 th December 2009
4	“Modern Trends in Analytical Techniques” National workshop	Nowrojee Wadia College, Pune,	3	8 th -10 th Jan 2008.

1. Principal Investigator: Dr. Gayatri S. Kamble

Funding Agency: SPPU-BCUD Research Grant Scheme

**Title of the Project: “Biochemical Evaluation of Medicinal
Plant *Embelia Species*”**

Sanction Grant: Rs. 2,30,000/-

Duration: 2016-18