

## Curriculum vitae

1. **Name and full correspondence address:**

Ameeta Tiwari  
Narayan Vihar, Near New ITI,  
Rampur Road, Dahariya;  
Haldwani, Uttarakhand (263139)



2. **E-mail and contact number(s):** [tiwari.ameeta@gmail.com](mailto:tiwari.ameeta@gmail.com)  
(+91- 9412085607)

3. **Institution:** M.B.G.P.G College, Kumaun University Nainital

4. **Date of Birth:** 13 June 1979

5. **Academic Qualification (Undergraduate Onwards)**

S. No.	Degree	Year	Subject	University/Institution	Division
01	B.Sc.	2000	Chemistry, Botany, Zoology	Kumaun University Nainital	First
02	M.Sc.	2002	Chemistry	Kumaun University Nainital	Second
03	Ph.D.	2006	Chemistry	Kumaun University Nainital	Awarded
04	B.Ed.	2007	Science & Math's Teaching	Kumaun University Nainital	First
05	M.Ed.	2008	Science & Math's Teaching	Ch. Charan Singh University, Meerut	First
06	M.Phil.	2009	Education Technology	Vinayaka Mission University	First
07	I.T (certificate course)	2001	I.T.	Kumaun University Nainital	First

6. **Ph. D thesis title:** “Terpenoid composition of some medicinal plants”.

7. **Work experience**

S. No.	Positions held	Name of the Institute	From	To
01	Assistant Professor	M.B.P.G College Haldwani	02/02/17	Incumbent
02	Contract Lecturer	M.B.P.G College Haldwani	11/7/13	01/02/17
03	Contract Lecturer	S.B.S College Rudrapur	22/8/12	13/06/13
04	Contract Lecturer	P.G College Bageshwar	22/11/10	26/6/12
05	Contract Lecturer	D.S.B Campus Nainital	2008-09	2010

8. **Award / Achievements:** USERC Young Women Scientist Achievement Award 2023

9. **No. of Ph. D./M. Phil guided (Perusing/Awarded Degree)**

S. No.	Name of Student	Title of Ph. D/M. Phil	Year of Award
01	Sushma Kholia	Essential oil composition and biological activity evaluation of <i>Cyathocline purpurea</i> , <i>Melaleuca linariifolia</i> and <i>Blumea mollis</i>	2025
02.	Himanshu Pandey	Phytochemical composition and biological activity evaluation of <i>colquhounia coccinea</i> wall, <i>melaleuca bracteata</i> f. Muell and <i>laggera crispata</i> (vahl) hepper & wood from kumaon himalaya	Pursuing
03.	Mahipal Singh	-	Pursuing

## Publications

### A. Research Papers

1. Mathela CS, Padalia RC, Chnotiya CS, **Tiwari A**. Carvone rich *Mentha longifolia* (Linn.) Chemical Variation and Commercial Potential. Journal of Essential Oil-Bearing Plants, 2005, 8(2): 130-131.
2. Thakuri BC, Padalia RC, **Tiwari A**, Chanotiya CS, Mathela BS.  $\alpha$ -Phellandrene rich essential oil from *Ligusticum argenatum* C.B.Clarke. Journal of Essential Oil-Bearing Plants, 2007, 10(1): 1-4.
3. **Tiwari A**, Padalia RC, Mathela CS. Sesquiterpene rich essential oil from *Plectranthus rugosus* Wall. Journal of Essential Oil-Bearing Plants, 2008, 11(1): 58-61.
4. Thakuri BC, Padalia RC, Kharkwal H, **Tiwari A**, Chanotiya CS, Mathela CS. Sesquiterpene rich oils from leaves and roots of *Senecio rufinervis*. J. Essent. Oil Res, 2008, 20(5): 435-436.
5. Mathela CS, **Tiwari A**, Padalia RC, Chanotiya CS. Chemical composition of *Inula cuspidate* CB Clarke. Indian Journal of Chemistry, 2008, 47B: 1249-1253.
6. Bisht DS, Padalia RC, Joshi SC, **Tiwari A**, Mathela CS. Constituents of *Nepeta clarkei* Hook.F. and their antioxidant activity. Indian Journal of Chemistry, 2010, 49(6): 807-811.
7. Padalia RC, Verma RS, Chauhan A, **Tiwari A**, Joshi N. Variability in essential oil composition of different plant parts of *Heracleum Candicans* Wall. Ex DC from North India. Journal of Essential oil Research, 2018, 30(4): 293-301
8. **Tiwari A**, Kholiya A, Joshi RK. Variation of volatile constituents of *Acorus Calamus* L.; a potential medicinal plant of Uttarakhand. American Journal of Essential Oils and Natural Products, 2021, 9(2): 24-27.
9. Bhatt G, Nagarkoti RS, Kholiya S, **Tiwari A**, Verma SK, Verma RS, Darokar M, Padalia RC. Chemical and Antibacterial activity evaluation of *Alpinia Calcarata* and *Alpinia Zerumbet* grown in foothills agroclimatic conditions of North India. The open Bioactive compounds Journal, 2021, 9(1): 15-19
10. Kholiya S, Pandey H, Pargaian N, **Tiwari A**. A survey of some medicinal trees in Nandhaur valley region of district Nainital in Uttarakhand, India, and study on their phytochemistry and ethnobotanical importance. Academia Journal of Medicinal Plants, 2022, 10(9): 149-164.
11. Kholiya S, Pandey H, Singh M, Pargaian N, **Tiwari A**. A comprehensive review of the phytochemical and pharmacological potential of some selected species from Nandhaur landscape, Uttarakhand. Journal of Pharmacognosy and Phytochemistry, 2023, 12(4): 131-139.

12. Joshi R, Kholiya S, Pandey H, Joshi R, Omia E, **Tiwari A**, Kim T, Cho B-K. A Comparison of ATR-FTIR and Raman spectroscopy for the non-destructive examination of terpenoids in medicinal plants essential oils. *Korean Journal of Agricultural Science* , 2023, 50(4): 675-696.
13. Kholiya S, Pandey H, Padalia RC, **Tiwari A**, Prakash O. Phytochemical analysis, post-harvest shade drying, and biological activities of *Melaleuca linariifolia* Sm. from foothills of Kumaun Himalayas, India. *Biochemical Systematics and Ecology*, 2024, 114, 104824.
14. Kholiya S, Singh M, Chauhan A, Padalia RC, **Tiwari A**. Chemical profiling and bioactivity analysis of shoots and roots essential oil of Indian *Blumea mollis* (D. Don) Merr. *Biochemical Systematics and Ecology*, 2024,117, 104913
15. Bhattacharya T, Joshi R, Tufa LT, Goddati M, Lee J, **Tiwari A**, Cho BK. l-Cysteine-Modified Carbon Dots Derived from *Hibiscus rosa-sinensis* for Thiram Pesticides Identification on Edible *Perilla* Leaves. *ACS Omega*, 2024, 9 (48): 47647-47660.
16. Kathayat A, Pandey H, Pargaian N, **Tiwari A**. Survey of Some Floral Dye-Yielding Plants of District Nainital Uttarakhand, India. *Journal of mountain research*, 2024, 19 (2): 239 -248.
17. Kholiya S, Padalia RC, **Tiwari A**. Compositional and comparative analysis of essential oil from different plant parts of *Cyathocline purpurea*. *Natural Product Research*, 2025, 1–7.
18. Pandey H, Kholiya S, Singh M, **Tiwari A**. Phytochemical Profiling and Bioactivity Assessment of *Melaleuca bracteata* F. Muell. from Nainital, Uttarakhand. *Pharmacognosy Research*, 2026, 18(2): 592–598.

## **B. Books/Book Chapters**

1. **Tiwari A**. Aliphatic Electrophilic Substitution Reaction. Uttarakhand Open University. 2018
2. Joshi PK, **Tiwari A**, Padalia RC. Chapter 13 chemical and bioactive potential of *artemisia* species: A brief Review literature. In: Tiwari G, Tiwari A, Tiwari LM, Pande C (ed.) *Natural products and their utilization pattern*, Nova Science publisher, New York, 2020. P. 223-238.
3. **Tiwari A**, Joshi BC, Dhama DS, Sharma N. *Elementary Textbook of Chemistry (B.Sc) Fifth Semester*. Pragati Prakashan. 978-93-88151-15-3
4. Pandey H, Kholiya S, Padalia R, Tiwari P, **Tiwari A**. Chapter 13 Essential oil screening and bioactive potential of some selected trees from temperate zone of Kumaun Himalaya Uttarakhand. In: Padalia R, Verma D, Arora C, Mahish P (ed.) *Essential Oils: Sources, Production and Applications*. Berlin, Boston: De Gruyter; 2023. p.269-284.

5. Kholiya S, **Tiwari A**, Pargaian N, Pandey H, Pant K. Chapter 16 Phytochemical and pharmacological overview of some trees from Fabaceae family. In: Tiwari G, Joshi P, Tiwari LM (ed.) Modern trends in Medical and Aromatic Plants. Indu Book Services Pvt. Ltd. 2023. p. 265-284.

### 11. Other Courses: Orientation/Refresher Courses/Training

1. UGC Sponsored Orientation Programme, HRDC Kumaun University Nainital, 25<sup>th</sup> May- 20<sup>th</sup> June 2018.
2. UGC Sponsored refresher course on “ Environment Science & Green Technology”. 15<sup>th</sup> Nov – 30<sup>th</sup> Nov 2021.

### 12. Details of Seminar/Conference/Workshop

1. A Poster presentation on “Comparative seasonal variation in root and leaf essential oil of *Selinum tenuifolium* Wall” in workshop on “Prospect of Essential oil Industry in Uttaranchal and role of GC-MS in analysis of Essential oils”. Chemistry Department, Kumaun university, Nainital, India 24<sup>th</sup>-25<sup>th</sup> Sept 2004.
2. A Poster presentation on “Comparison of volatile constituents of *Thymus linearis* from Kumaun Himalaya.” in workshop on “Prospect of essential Oil Industry in Uttaranchal and role of GCMS in analysis of Essential oils” Chemistry Department, Kumaun University, Nainital, India, Sep 2004.
3. Oral presentation on Chemical study of essential oil of *Plectranthus rugosus* Wall. At National Consultative Workshop on “Medicinal and aromatic plants”. G.B. Pant University Pantnager CWMP, June 2005.
4. A poster presentation of *Acorus Calamus* in National Conference on Emerging Trends In Chemistry-Biology Interface ETCBI-2011. Dept. of Chemistry Kumaun University Nainital, 2011
5. Workshop on Job opportunities and self employment in various fields under aegis of UGC career and counseling cell. G.P.G.College Bageshwar, 10 -11 march 2011.
6. State level seminar/workshop “Promotion of quality culture through internal quality assurance cells (Iqacs) in the affiliated colleges of uttarakhand”. Govt. Girls College , Haldwani, 18-19 July 2012
7. National Conference on Recent trends In Interdisciplinary research and Astrophysics Space Science NCRTIRASS-2012. S.B.S College Rudrapur, 3-4 Nov 2012.
8. Participated in 7- day national workshop on developing synergy between information communication technology & academics at M B Govt P G College Haldwani, Nainital, 25-31 march 2017.
9. Paper presentation on the topic “ Carbon Footprint”, in national seminar on century of Asians: Role and impact of asian countries at UGC – HRDC, Kumaun University, Nainital, 31<sup>st</sup> may – 1<sup>st</sup> june 2018.
10. A poster presentation in 2<sup>nd</sup> international conference on “Energy functional materials and nanotechnology and sustainable environment management”. Nanoscience & Nanotechnology centre, Department of Chemistry, Kumaun University, Nainital. May 24-26, 2019.

11. Paper presentation on the topic “Role of modern technology in education” in national conference on leveraging new technology for reimagining education at MIET, Haldwani. November 22, 2019.

12. Participated in two days regional training workshop on “Advance multivariate statistical analysis in water quality assessment & management of Kumaun region of Uttarakhand. UoU, Haldwani, 23-24 January 2024.

13. A poster presentation on “The role of green synthesis in nanoparticles development” in International seminar on vision for viksit Bharat @2047: A multi- dimensional approach to inclusive and sustainable development amid global challenges. GDC, Narendranagar, Uttarakhand, 26-28 Feb 2026.



Date:- 30 May 2026

Place:- Haldwani

Name & Signature

Dr. Ameeta Tiwari

Assistant Professor

Department of Chemistry

M.B.G. P.G College Haldwani