

CURRICULUM VITAE

Dr. DEEPSHIKHA JOSHI

deepshikha30898@rediffmail.com



deepshikhajoshi@kunainital.ac.in

+91 8755623641,9911556911

EDUCATIONAL QUALIFICATION

- **Ph.D. in Chemistry (Natural Product-Phytochemistry)** from D.S.B. Campus, Kumaun University, Nainital (2012-2017).
- **CSIR-UGC-NET-JRF (Chemical Science)** qualified in June, 2012 (Rank- 95).
- **MHRD-GATE (Chemistry)** qualified in 2012 (Score- 388).
- **CSIR-NET (Chemical Science)** qualified in December, 2011 (Rank- 31).
- **M.Sc. Chemistry (Organic)** from L.S.M. Govt. P.G. College, Pithoragarh, Kumaun University, Nainital(2009-2011).
- **B.Sc. (Zoology, Botany and Chemistry)** from L.S.M. Govt. P.G. College, Pithoragarh, Kumaun University, Nainital(2006-2009).
- **Intermediate in Science (PCB Group)** from L.W.S. Girls Inter College Pithoragarh, Uttarakhand (UK Board) (2006).
- **High School in Science** from L.W.S. Girls Inter College Pithoragarh, Uttarakhand (UK Board) (2004).

TEACHING EXPERIENCE

Assistant Professor (Temporary), Chemistry Department, Chinmaya Degree College, H.N.B.Garhwal University, Uttarakhand. (2017-2018)

Total Teaching Experience (on the basis of UGC Scale)

1. Under Graduate (B.Sc.): 1 Year
2. Post Graduate (M.Sc.): 1 Year

ACHIEVEMENTS, FELLOWSHIP & AWARDS

- **UGC-NET/JRF Fellowship** for the Ph.D. Programme (2012-2014).
- **UGC-NET/SRF Fellowship** for the Ph.D. Programme (2014-2017).
- **Best Paper Award (Poster)** for Research paper entitled “**Comparative Study of Chemical Composition of the Essential Oil of *Ligulariaamplexicaulis* (wall.) DC.Aerial parts from different regions of Uttarakhand, India & its Antibacterial activity**” in the **National Conference on Science & Technology for Human Development** organized by The Indian Science Congress Association: Haridwar Chapter, GurukulKangriVishwavidyalaya, Haridwar (2015).

THESIS TITLE

- **Ph.D. Thesis Title: “Chemical Investigation and Antimicrobial Activity on some medicinal plants belonging to genera *Plectranthus*, *Ligularia*, *Selinum* and *Myriactis*”** under the supervision of **Dr. Anand B. Melkani** (Professor and Head, Department of Chemistry, D.S.B. Campus, Kumaun University, Nainital, Uttarakhand).

RESEARCH PAPERS IN JOURNALS

- Manoj K. Nailwal, **Deepshikha Joshi** and Anand B. Melkani, “Chemical Composition and Biological Activity of the Essential oil from *Gnaphalium hypoleucum* DC.” *Indian Perfumer*, 59(2), 36-41(2015).
- **Deepshikha Joshi**, Anand B. Melkani, Rajendra Prasad and Manoj K. Nailwal, “Antimicrobial activity and Chemical composition of the steam volatiles from *Plectranthus coetsa* from two different habitats of Uttarakhand”, *Indian Perfumer*, 61(2), 13-18 (2017).
- Rajendra Prasad, Lalit S. Bisht, **Deepshikha Joshi**, Manoj K. Nailwal and Anand B. Melkani, “Chemical Composition and Antibacterial Activity of the Essential Oil from Whole Aerial Parts of *Leucas mollissima* Wall. ex Benth.”, *Journal of Essential Oil Bearing Plants (TEOP)*, 20(1), 141-147 (2017).
- Lalit S. Bisht, Rajendra Prasad, **Deepshikha Joshi**, Manoj K. Nailwal and Anand B. Melkani, “Phytochemical screening and antibacterial assay of the essential oil from *Carpesium cernuum* L.” *International Journal of Green and Herbal Chemistry*, 6(4), 107-116 (2017).
- **Deepshikha Joshi**, Manoj K. Nailwal, Lalit Mohan and Anand B. Melkani, “*Ligularia amplexicaulis* (wall.) DC. Terpenoid Composition, percent variation and Antibacterial Activity of the essential oil from its aerial parts”, *Journal of Essential Oil Research*, 30(3), 189-196 (2018).
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, Rajendra Prasad and Lalit S. Bisht, “Terpenoid composition of Essential Oil from a new chemotype of *Selinum wallichianum* Raizada & Saxena”, *Natural Product Research*, 32(3), 362-365 (2018).
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, Lalit S. Bisht and Rajendra Prasad, *Selinum vaginatum* C. B. Clarke: Terpenoid Composition and Antibacterial Activity of whole Aerial Parts and Roots Essential oil” *Journal of Essential Oil Bearing Plants*. 21(5), 1176-1185 (2018).

RESEARCH PAPERS PUBLISHED IN PROCEEDINGS

- **Deepshikha Joshi**, Manoj K. Nailwal and Anand B. Melkani, “Chemical Composition of the Essential oil from aerial parts of *Ligularia amplexicaulis* (Wall.) DC. from Uttarakhand and Evaluation of its Antibacterial Activity” **National Conference on Recent Advances in Sciences and Technology:2015 at Seemant Institute of Technology, Pithoragarh, pp.1-6**, ISBN: 978-93-85437-03-8.
- Manoj K. Nailwal, **Deepshikha Joshi** and Anand B. Melkani, “Chemical Composition and Antibacterial Activity of the Essential oil from *Uraria lagopus* DC.” **National Conference on Recent Advances in Sciences and Technology: 2015 at Seemant Institute of Technology, Pithoragarh. pp. 18-21**. ISBN: 978-93-85437-03-8.
- **Deepshikha Joshi**, A.B. Melkani, Manoj K. Nailwal, Rajendra Prasad and L.S. Bisht, “*In-vitro* Studies on the Antibacterial Activity of *Selinum Wallichianum* Essential Oil from Uttarakhand.” **National Conference on Recent Advances in Sciences and Technology: 2016 at Seemant Institute of Technology, Pithoragarh, pp.79-81-ISBN: 978-93-85777-96-7**.
- Manoj K. Nailwal, **Deepshikha Joshi** and Anand B. Melkani, “Antimicrobial Potential of the Essential Oil from *Scutellaria repens* Buch-Ham. EX D. Don and *Gnaphalium hypoleucum* DC.” **National Conference on Recent Advances in Sciences and Technology: 2016 at Seemant Institute of Technology, Pithoragarh, pp.45-47**. ISBN: 978-93-85777-96-7.

CONFERENCES/ WORKSHHP

- Attended the **Workshop on National e-Governance Plan (Department of Information Technology, Ministry of Communications & Information Technology, Government of India)**, Nainital, April 16, 2013.
- **Deepshikha Joshi**, Anand B. Melkani, Lalit Mohan and Manoj K. Nailwal, “Terpenoid composition and Antibacterial activity of Essential Oil from *Ligularia amplexicaulis*(wall.) DC.” **Ninth Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb 26-28, 2015. (Poster)**
- Manoj K. Nailwal, Anand B. Melkani, Lalit Mohan and **Deepshikha Joshi** “Steam volatile constituents and antibacterial activity from *Gnaphalium hypoleucum* DC” **Ninth Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb 26-28, 2015.**
- **Deepshikha Joshi**, Anand B. Melkani, Lalit Mohan, Manoj K. Nailwal and Rajendra Prasad, “Comparative Study of Chemical Composition of the Essential Oil of *Ligularia amplexicaulis* (wall.) DC. Aerial parts from different regions of Uttarakhand, India and its Antibacterial activity” **National Conference on Science & Technology for Human Development organized by The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar, 2015.(Poster)**
- Manoj K. Nailwal, Anand B. Melkani , Lalit Mohan, **Deepshikha Joshi** and Lalit Bisht, “Chemical Composition and Antibacterial Activity of Essential oil from *Uraria lagopus* DC” **National Conference on Science & Technology for Human Development organized by The Indian Science Congress Association: Haridwar Chapter, Gurukula Kangri Vishwavidyalaya, Haridwar, Mar 20-21, 2015.**
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal and Lalit Bisht, “Terpenoid Composition and Antibacterial Activity of the Essential Oil from Aerial parts of *Myriactis nepalensis* LESS.” **National Conference on Science & Technology for Indigenous Development in India organized by The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar, Sept, 2015.(Oral)**
- Manoj K. Nailwal, Anand B. Melkani , **Deepshikha Joshi** and Rajendra Prasad, “Comparative Study of Chemical Composition and Biological Activity of Essential Oils from Three *Scutellaria* species” **National Conference on Science & Technology for Indigenous Development in India organized by The Indian Science Congress Association: Haridwar Chapter, Gurukula Kangri Vishwavidyalaya, Haridwar, Sept 28-30, 2015.**
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, Lalit Bisht and Rajendra Prasad, “Comparative Analysis of Terpenoid Composition of the Essential Oil of *Myriactis nepalensis* Less. Aerial parts from different regions of Uttarakhand, India and its Bioactivity.”**10th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb, 2016. (Poster)**
- Manoj K. Nailwal, Anand B. Melkani, **Deepshikha Joshi**, Lalit Bisht and Rajendra Prasad, “Chemical Constituents of the Essential Oil of *Senecio graciliflorus* (Wall.) DC.” **10th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb 10-12, 2016.**
- Lalit S. Bisht, Anand B. Melkani, Manoj K. Nailwal, **Deepshikha joshi** and Rajendra prasad ,“Chemical Compostion and Antibacterail actvity of Essensial oil from *Carpesium cerenuum l.*” **10th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb 10-12, 2016.**
- Rajendra Prasad, Anand B. Melkani, Manoj K. Nailwal, **Deepshikha Joshi** and Lalit S. Bisht, “ Essential oil composition and Antibacterial activity from *Dicliptera roxburghiana* Nees.” **10th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun, Feb 10-12, 2016.**

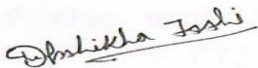
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, Lalit Mohan and Lalit S. Bisht, “Chemical Composition of *Selinum wallichianum*: A new Chemotype from North-Western Himalaya” **International Conference on Energy, Functional Materials & Nanotechnology (ICEFN-2016)**, March 27-29, 2016.
- Manoj K. Nailwal, Anand B. Melkani, **Deepshikha Joshi**, Lalit Mohan and Rajendra Prasad, “Chemical Composition of the essential oil from a new Chemotype of *Senecio graciliflorus* (Wall.) DC. and its bioactivity” **International Conference on Energy, Functional Materials & Nanotechnology (ICEFN-2016)**, March 27-29, 2016.
- Rajendra Prasad, Anand B. Melkani, Manoj K. Nailwal, **Deepshikha Joshi** and Lalit S. Bisht, “Antibacterial activity and Terpenoid composition from *Leucas mollissima* wall Ex Benth.” **International Conference on Energy, Functional Materials & Nanotechnology (ICEFN-2016)**, March 27-29, 2016.
- Lalit S. Bisht, , Anand B. Melkani, Manoj K. Nailwal, **Deepshikha Joshi** and Rajendra Prasad, “Phytochemical Investigation and Antibacterial screening of the stem volatile extract from *Ainsliaea aptera* DC.” **International Conference on Energy, Functional Materials & Nanotechnology (ICEFN-2016)**, March 27-29, 2016.
- Attended the 3 days **Awareness Workshop on “The Facilities of UGC-DAE Consortium for Scientific Research” (Department of Physics, Kumaun University)**, Nainital, April 5-7, 2016.
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, R. Prasad and Lalit S. Bisht, “*Myriactis nepalensis* Less : Chemical Composition and Antibacterial Activity of the Root Essential Oil” **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems**, October 17-19, 2016.
- Lalit S. Bisht, Anand B. Melkani, Rajendra Prasad, **Deepshikha Joshi**, Lalit Mohan and Priyadarshini Chanyal, “Comparative Study of Antibacterial Activity of the Essential Oil from Root and whole aerial parts of *Carpesium cernuum* L.” **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems**, October 17-19, 2016.
- Manoj K. Nailwal, **Deepshikha Joshi** and Anand B. Melkani, “*In-Vitro* Antifungal activity and GC-MS Analysis of Essential Oil of *Uraria lagopus* DC.” **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems**, October 17-19, 2016.
- Rajendra Prasad, Anand B. Melkani, Lalit S. Bisht, **Deepshikha Joshi**, Lalit Mohan and Priyadarshini Chanyal, “Chemical Composition and Study of Antibacterial Activity of *Dicliptera roxburghiana* Ness. Collected from two different regions of Uttarakhand” **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems**, October 17-19, 2016.
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal and Rajendra Prasad, “Phytochemical Screening of Volatiles from *Plectranthus coetsa* Buch-Ham. Ex D. Don Roots and Evaluation of their Antibacterial activity.” **7th National Conference on Science & Technology for National Development, organized by The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar, Nov, 2016. (Oral)**
- Manoj K. Nailwal, **Deepshikha Joshi**, and Anand B. Melkani, “*In-Vitro* Antifungal Activity and Chemical Composition of the Essential oil of *Senecio graciliflorus* (wall.) DC.” **7th National Conference on Science & Technology for National Development , organized by The Indian Science Congress Association: Haridwar Chapter, Gurukula Kangri Vishwavidyalaya, Haridwar.**
- **Deepshikha Joshi**, Anand B. Melkani, Manoj K. Nailwal, Lalit Bisht and Rajendra Prasad, “Comparative Study of Composition and Biological Activity of *Selinum Wallichianum* raizada

& saxena Essential Oil from Different Regions of Uttarakhand, India.”**11th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun**, March 2-4, 2017. (Oral)

- Manoj K. Nailwal, Anand B. Melkani, **Deepshikha Joshi**, “Phytochemical Investigation and in vitro Antibacterial Activity of Essential Oil from the Roots of *Senecio graciliflorus* (Wall.) DC.” **11th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun**, March 2-4, 2017.
- Lalit S. Bisht, Anand B. Melkani, Rajendra Prasad and **Deepshikha Joshi**, “Terpenoid Composition and Antimicrobial Activity of Essential Oil from Aerial Parts of *Doronicum Roylei* DC.” **11th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun**, March 2-4, 2017.
- Rajendra Prasad, Anand B. Melkani, Lalit S. Bisht and **Deepshikha Joshi**, “ Bio-Activity and Terpenoid Composition of Essential oil from *Pilea Umbrosa*” **11th Uttarakhand State Science and Technology Congress, Vigyan Dham, Dehradun**, March 2-4, 2017.
- Priyadarshini chanyal, **Deepshikha Joshi**, Rajendra Prasad and Anand B. Melkani, “Phytochemical Constituents and Pharmacological Activities of *Thalictrum* (Ranunculaceae): A Review,” **National Conference on Plants and Environment**, Organized by Department of Botany, D.S.B. Campus, Nainital Under SAP, UGC Programme, March 27 & 28, 2017.

TECHNICAL SKILLS

- **ADSE-Computer Degree, 3-Year** (2007-2010) in Computer Science & Programming Language from APTECH (Shikhar Project) with B- Grade (Approved by Govt. of Uttarakhand).
- **Programming Language:** Programming Fundamentals, HTML, C, C++, JAVA (CORE), JAVA SCRIPT, .NET Platform Basics, VB.NET, Visual Basic 6.0, COMD Prompt, OOAD with UML, CORE XML, ASP.NET, COM+ and MSMQ, Advanced.NET Programming, WEB Services, SOAP,UDDI and Security in.NET.
- **Software/Operating System:** Beginners guide, Microsoft Office, Microsoft SQL (Database), Windows XP, Windows Vista, Windows 2007, Frontpage 2000 and Access 2000.

Dated:01-12-2020 
(DEEPSHIKHA JOSHI)
Place: Delhi