

**Kumaun University, Nainital**  
**Curriculum Vitae**

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Name : Dr. Deepshikha Joshi  
Designation : Assistant Professor (Guest)  
Department : Chemistry  
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• Email Address : deepshikha30898@rediffmail.com  
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Scopus ID : Joshi, Deepshikha, Kumaun University, Nainital  
Vidwan ID :

**Educational Qualification**

<b>Degree</b>	<b>University</b>	<b>Subjects</b>	<b>Year</b>
Ph.D.	Kumaun University	Phytochemistry	2018
M.Sc.	Kumaun University	Organic Chemistry	2011
B.Sc.	Kumaun University	Zoology, Botany, Chemistry	2009

**Work Experience**

<b>Position</b>	<b>Department</b>	<b>University/Organization</b>	<b>Year</b>
Assistant Professor	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2017-18
Assistant Professor	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2020-Till now

**Administrative Responsibilities**

<b>Position</b>	<b>Nature of responsibility</b>	<b>University/Organization</b>	<b>Year</b>
Member of Departmental Admission Committee	Admission of M.Sc. 1 <sup>st</sup> Semester Students	Chemistry, Department, D.S.B. Campus, Nainital	2021, 2022, 2023, 2024

**Research Interests**

- Phytochemistry
- Natural product research
- Water quality analysis
- Herbal products and medicinal Plants
- Flora of High Altitude region

**Publications (start from recent publications)**

a) Research Papers

<b>Authors name</b>	<b>Title of the paper</b>	<b>Journal, Vol, page no</b>	<b>Year</b>
Manisha Palni, Leelawati Nitwal, Anand B Melkani, <b>Deepshikha Joshi*</b> and Rajendra Prasad	A comparative study on chemical composition and antibacterial activity of essential oils from the aerial parts and roots of <i>Laportea bulbifera</i> (Siebold & Zucc.) Wedd. growing in the Central Himalayan region	<b>Natural Product Research</b> , 11:1-5	2023
Leelawati Nitwal, Manisha Palni, Anand B. Melkani and <b>Deepshikha Joshi*</b>	<i>Tanacetum dolichophyllum</i> (Kitam.) Kitam: Chemical Composition, Variation, and Antibacterial Activity of Essential Oil from Flowers, Leaves and Roots.	<b>J. Essent. Oil-Bear. Plants</b> , 26 (2), 493-501	<b>2023</b>
<b>Deepshikha Joshi*</b> , Anand B. Melkani, Manoj K. Nailwal, Lalit S. Bisht and Rajendra Prasad	<i>Selinum vaginatum</i> C. B. Clarke: Terpenoid Composition and Antibacterial Activity of whole Aerial Parts and Roots Essential oil	<b>J. Essent. Oil-Bear. Plants</b> . 21(5), 1176-1185	2018
<b>Deepshikha Joshi*</b> , Anand B. Melkani, Manoj K. Nailwal, Rajendra Prasad and Lalit S. Bisht	Terpenoid composition of Essential Oil from a new chemotype of <i>Selinum wallichianum</i> Raizada & Saxena	<b>Natural Product Research</b> , 32(3), 362-365	2018
<b>Deepshikha Joshi*</b> , Manoj K. Nailwal, Lalit Mohan and Anand B. Melkani,	<i>Ligularia amplexicaulis</i> (wall.) DC. Terpenoid Composition, percent variation and Antibacterial Activity of the essential oil from its aerial parts	<b>Journal of Essential Oil Research</b> , 30(3), 189-196	2018
Lalit S. Bisht, Rajendra Prasad, <b>Deepshikha Joshi*</b> , Manoj K. Nailwal and Anand B. Melkani,	Phytochemical screening and antibacterial assay of the essential oil from <i>Carpesium cernuum</i> L.	<b>International Journal of Green and Herbal Chemistry</b> , 6(4), 107-116	2017
Rajendra Prasad, Lalit S. Bisht, <b>Deepshikha Joshi*</b> , Manoj K. Nailwal and Anand B. Melkani,	Chemical Composition and Antibacterial Activity of the Essential Oil from Whole Aerial Parts of <i>Leucas mollissima</i> Wall. ex Benth.	<b>J. Essent. Oil-Bear. Plants (TEOP)</b> , 20(1), 141-147	2017
<b>Deepshikha Joshi*</b> , Anand B. Melkani, Rajendra Prasad and Manoj K. Nailwal,	Antimicrobial activity and Chemical composition of the steam volatiles from <i>Plectranthus coetsa</i> from two different habitats of Uttarakhand	<b>Indian Perfumer</b> , 61(2), 13-18	2017
Manoj K. Nailwal, <b>Deepshikha Joshi*</b> and Anand B. Melkani,	Chemical Composition and Biological Activity of the Essential oil from <i>Gnaphalium hypoleucum</i> DC.	<b>Indian Perfumer</b> , 59(2), 36-41	2015

b) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
NA			

c) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
NA				

d) Book chapters (start from recent publications) (add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
Lalit Mohan, Anand B. Melkani and <b>Deepshikha Joshi</b>	Modern Trends in Medicinal and Aromatic Plants: Chemical Composition and Antimicrobial and Antioxidant Activity of Essential oils of <i>Salvia</i> Species from Uttarakhand	Indu Book Services Pvt. Ltd.	978-93-91377-78-6	2023

e) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
<b>Deepshikha Joshi*</b> , A.B. Melkani, Manoj K. Nailwal, Rajendra Prasad and L. S. Bisht	<i>In-vitro</i> Studies on the Antibacterial Activity of <i>Selinum Wallichianum</i> Essential Oil from Uttarakhand	National Conference on Recent Advances in Sciences and Technology at Seemant Institute of Technology, Pithoragarh	2016
Manoj K. Nailwal, <b>Deepshikha Joshi*</b> and Anand B. Melkani, “	Antimicrobial Potential of the Essential Oil from <i>Scutellaria repens</i> Buch-Ham. EX D. Don and <i>Gnaphalium hypoleucum</i> DC.	National Conference on Recent Advances in Sciences and Technology at Seemant Institute of Technology, Pithoragarh	2016
<b>Deepshikha Joshi*</b> , Manoj K. Nailwal and Anand B. Melkani	Chemical Composition of the Essential oil from aerial parts of <i>Ligularia amplexicaulis</i> (Wall.) DC. from Uttarakhand and Evaluation of its Antibacterial Activity	National Conference on Recent Advances in Sciences and Technology at Seemant Institute of Technology, Pithoragarh	2015
Manoj K. Nailwal, <b>Deepshikha Joshi*</b> and Anand B. Melkani	Chemical Composition and Antibacterial Activity of the Essential oil from <i>Uria lagopus</i> DC.	National Conference on Recent Advances in Sciences and Technology at Seemant Institute of Technology, Pithoragarh	2015

**Projects**

Title of the project	Funding agency	Amount (Rs)	Year
NA			

**Teaching details**

Name of the course/paper	Department	University	Year
M.Sc. (Inorganic Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023, 2022, 2021, 2020
M.Sc. (Organic Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023, 2022, 2021, 2020
B.Sc. (Inorganic Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023, 2022, 2021, 2020
B.Sc. (Organic Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023, 2022, 2021, 2020
B.Sc. (Physical Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023, 2022, 2021, 2020
B.Sc. Agriculture (Biochemistry)	Agriculture	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2022
B.Sc./BA. (Vocational Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023
B.Sc./BA. (Minor Chemistry)	Chemistry	D.S.B. Campus, Kumaun University, Nainital, Uttarakhand.	2024, 2023
M.Sc. (Inorganic Chemistry)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2018, 2017
M.Sc. (Organic Chemistry)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2018, 2017
B.Sc. (Inorganic Chemistry)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2018, 2017
B.Sc. (Organic Chemistry)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2018, 2017
B.Sc. (Physical Chemistry)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2018, 2017
B.Sc. (Skill enhancement)	Chemistry	Chinmaya Degree College, H.N.B. Garhwal University, Uttarakhand.	2017

**Professional Memberships**

Organization	Position	Year
Indian Science Congress Association (ISCA-Haridwar chapter)	Life member	2015

### Honours and Awards

Award	Awarding Organization	Year
NET/SRF Fellowship for the Ph.D. Programme	UGC-CSIR	2014-2017
NET/JRF Fellowship for the Ph.D. Programme	UGC-CSIR	2012-2014
Best Paper Award (Poster)	National Conference on Science & Technology for Human Development organized by The Indian Science Congress Association: Haridwar Chapter, Gurukul Kangri Vishwavidyalaya, Haridwar	2015
MHRD-GATE (Chemistry)	MHRD-GATE	2012
NET-LS	UGC-CSIR	2011

### Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Phytochemical Constituents and Pharmacological Activities of <i>Thalictrum</i> (Ranunculaceae): A Review	National Conference on Plants and Environment Under SAP, UGC Programme,	Department of Botany, D.S.B. Campus, Nainital.	2017
Comparative Study of Composition and Biological Activity of <i>Selinum Wallichianum</i> raizada & saxena Essential Oil from Different Regions of Uttarakhand, India.	11th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2017
Phytochemical Investigation and in vitro Antibacterial Activity of Essential Oil from the Roots of <i>Senecio graciliflorus</i> (Wall.) DC.	11th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2017
Terpenoid Composition and Antimicrobial Activity of Essential Oil from Aerial Parts of <i>Doronicum Roylei</i> DC.	11th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2017
Bio-Activity and Terpenoid Composition of Essential oil from <i>Pilea Umbrosa</i>	11th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2017
Phytochemical Screening of Volatiles from <i>Plectranthus coetsa</i> Buch-Ham. Ex D. Don Roots and Evaluation of their Antibacterial activity	7th National Conference on Science & Technology for National Development	The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar	2016
In-Vitro Antifungal Activity and Chemical Composition of the Essential oil of <i>Senecio graciliflorus</i> (wall.) DC.	7th National Conference on Science & Technology for National Development	The Indian Science Congress Association: Gurukula Kangri	2016

		Vishwavidyalaya, Haridwar	
<i>Myriactis nepalensis</i> 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	Kumaun University, Nainital	2016
Comparative Study of Antibacterial Activity of the Essential Oil from Root and whole aerial parts of <i>Carpesium cernuum</i> L.	19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems	Kumaun University, Nainital	2016
<i>In-Vitro</i> Antifungal activity and GC-MS Analysis of Essential Oil of <i>Uraria</i> <i>lagopus</i> DC.	19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems	Kumaun University, Nainital	2016
Chemical Composition and Study of Antibacterial Activity of <i>Dicliptera roxburghiana</i> 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	Kumaun University, Nainital	2016
Chemical Composition of <i>Selinum wallichianum</i> : A new Chemotype from North- Wesern Himalaya	International Conference on Energy, Functional Materials & Nanotechnology	Kumaun University, Nainital	2016
Chemical Composition of the essential oil from a new Chemotype of <i>Senecio</i> <i>graciliflorus</i> (Wall.) DC. and its bioactivity	International Conference on Energy, Functional Materials & Nanotechnology	Kumaun University, Nainital	2016
Antibacterial activity and Terpenoid composition from <i>Leucas mollissima</i> wall Ex Benth.	International Conference on Energy, Functional Materials & Nanotechnology	Kumaun University, Nainital	2016
Phytochemical Investigation and Antibacterial screening of the stem volatile extract from <i>Ainsliaea aptera</i> DC.	International Conference on Energy, Functional Materials & Nanotechnology	Kumaun University, Nainital	2016
Comparative Analysis of Terpenoid Composition of the Essential Oil of <i>Myriactis nepalensis</i> Less. Aerial parts from different regions of Uttarakhand, India and its Bioactivity	10th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2016

Chemical Constituents of the Essential Oil of <i>Senecio graciliflorus</i> (Wall.) DC.	10th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2016
Chemical Composition and Antibacterial activity of Essential oil from <i>Carpesium cerenuum l.</i>	10th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2016
Essential oil composition and Antibacterial activity from <i>Dicliptera roxburghiana</i> Nees.	10th Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2016
Terpenoid Composition and Antibacterial Activity of the Essential Oil from Aerial parts of <i>Myriactis nepalensis</i> LESS.	National Conference on Science & Technology for Indigenous Development in India	The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar	2015
Comparative Study of Chemical Composition and Biological Activity of Essential Oils from Three <i>Scutellaria</i> species	National Conference on Science & Technology for Indigenous Development in India	The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar	2015
Comparative Study of Chemical Composition of the Essential Oil of <i>Ligularia amplexicaulis</i> (wall.) DC. Aerial parts from different regions of Uttarakhand, India and its Antibacterial activity	National Conference on Science & Technology for Indigenous Development in India	The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar	2015
Chemical Composition and Antibacterial Activity of Essential oil from <i>Uraria lagopus</i> DC	National Conference on Science & Technology for Indigenous Development in India	The Indian Science Congress Association: Gurukula Kangri Vishwavidyalaya, Haridwar	2015
Terpenoid composition and Antibacterial activity of Essential Oil from <i>Ligularia amplexicaulis</i> (wall.) DC.	Ninth Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2015
Steam volatile constituents and antibacterial activity from <i>Gnaphalium hypoleucum</i> DC	Ninth Uttarakhand State Science and Technology Congress	UCOST, Vigyan Dham, Dehradun	2015



Signature of the faculty member