

ACADEMIC PROFILE

1. **Name:** Dr. Lalit Mohan
2. **Designation:** Assistant Professor (**Samvida**)
3. **Qualification:** M. Sc. Ph. D.
4. **Area of Specialization/Research field:** Organic Chemistry/Natural Product Chemistry and Bioactivity
5. **Awards/Recognitions:** Young Scientist Award, from 6th Uttarakhand state Science & Technology congress During November 14th -16th, 20116.
6. **No. of PG project/Dissertations guided:** 13 Students M.Sc. (Organic Chemistry) – 2012 to 2019

7. Publication

- 1) **Lalit Mohan**, Charu C. Pant, Anand B. Melkani and Vasu Dev, Terpenoid composition of the essential oil from Two species *Teucrium quadrifarium* and *Teucrium royleanum*. *Natural Product Communications*, **5**, 939-942(2010). [ISSN- 1934-578X, Impact factor-1.03]
- 2) **Lalit Mohan**, Anuradha Negi, Anand B. Melkani and Vasu Dev, Composition and antibacterial activity of the Essential oil from *Salvia mukerjeei* Bennet & Raizada. *Natural Product Communications*, **6**, 1949 - 1952(2011). [ISSN- 1934-578X, Impact factor-1.03]
- 3) Charu C. Pant, Anand B. Melkani, **Lalit Mohan** and Vasu Dev, Composition and Antibacterial Activity of Essential oil from *Scutellaria grossa* Wall ex Benth. *Natural Product Research*. **26(2)** 190-192 (2012). [ISSN- 1478-6419, Impact factor-1.09]
- 4) Anand B. Melkani, **Lalit Mohan**, Charu C. Pant, Anuradha Negi, and Vasu Dev, Composition And Antibacterial Activity of Essential Oil from *Salvia hians* Royle Ex. Benth, *Journal of Essential oil bearing plants*, **14(6)** 667-672 (2011). . [ISSN- 0972-060X, Impact factor-0.9]
- 5) Anand B. Melkani, Monoj Nailwal, **Lalit Mohan**, Charu C. Pant and Vasu Dev, Steam Volatile terpenoids from *Scutellaria repens* Buch-Ham. ex D. Don and their

- Bioactivity, *Journal of essential oil research*, **25(5):368-371 (2013)**. [ISSN- 1041-2905, Impact factor-0.9]
- 6) **Lalit Mohan** and Bhawna Bhat, Screening of antibacterial potential of root extracts of *Solanum xanthocarpum* Schrad. and Wendl, *Journal of Medicinal Plants Research*, **7(13), 749-752 (2013)**. [ISSN 1996-0875, Impact factor-0.879]
 - 7) Reema Priydarshi, Anand B. Melkani, Lalit Mohan and Charu C. Pant. Terpenoid composition and antibacterial activity of the essential oil from *Inula cappa* (Buch-Ham. ex. D. Don) DC *Journal of essential oil research*, **28, (2) 172-176 (2016)**. [ISSN- 1041-2905, Impact factor-0.9]
 - 8) Anand B. Melkani*, **Lalit Mohan** and Charu C. Pant., Diterpene rich essential oil from *Anisomeles indica* (L.) O. Kuntz. and its antimicrobial activity. *World Journal of Pharmaceutical Research* (2016) **5, 5, 932-943 [ISSN 2277-7105, Impact factor 6.9]**
 - 9) Lalit Mohan and Anand B. Melkani, Therapeutic Impact of Volatiles from *Agrimonia aitchisonii* Schnobeck Temesy and *Pimpinella acuminata* (Edgew.) CB Clarke. *J. Chem. Eng. Chem. Res.* (2016),**3, 11, 1062-1066**
 - 10) Deepshikha Joshi, Manoj K. Nailwal, **Lalit Mohan** and Anand B. Melkani Ligulariya amplexicaulis (wall) DC Essential oil composition and antibacterial activity. *Journal of Essential Oil Research* (2018), **30, 189-196. [ISSN- 1041-2905, Impact factor-0.9]**
 - 11) **Lalit Mohan**, Reema priydarshi,, Anand B. Melkani and Charu C. Pant, Chemical composition and antibacterial activity of the steam volatile extract from *Salvia coccinea* Juss. ex Murr *International Journal of Green and Herbal Chemistry* (2019) **8, No.3, 277-285. [ISSN- 2278-3229, Impact factor-5.4]**

Workshops\Conferences

- 1) Actively participated in the “**International Australian National Chemistry Quiz Workshop**” Organized by Uttarakhand state Council for Science and Technology, Dehradun at Mansuri during August, 11th 2007.
- 2) **Lalit Mohan** and Anand B. Melkani, “Chemical composition and antimicrobial activity of the essential oil from *Salvia hians* Royal ex. Benth.” **Paper was**

- presented in Poster session in 3rd Uttarakhand state Science & technology congress at IIT Roorkee during November 10th -11th 2008.
- 3) Actively participated in the National Seminar on “**Response of eco-biological components to the phenomenon of global warming (NSREG-2009)**” Organized by Department of Zoology, D. S. B. Campus, Kumaun University, Nainital during 26-27 September 2009.
 - 4) **Lalit Mohan** and Anand B. Melkani, “Terpenoid composition of the essential oils from two species of *Teucrium* and its chemosystemics” **Paper was presented in Oral session in 4th Uttarakhand state Science & technology congress at GB Pant University of Agriculture & Technology, Pantnagar** during November 9th -10th 2009.
 - 5) **Lalit Mohan**, Anand B. Melkani, “Analysis of steam volatile components from the species of *Salvia* growing in the Central Himalayan region of India” **Paper was presented in Oral session in First National Conference on Identifying the Research Basis for Sustainable Development of the Kumaun Region at Amarpali Institute of Technology & Science, Lamachaur, Haldwani** during January, 15th -16th , 2010.
 - 6) **Lalit Mohan**, Anand B. Melkani, “Analysis of steam volatile components from the species of *Salvia* growing in the Central Himalayan region of India” **Paper was presented in Oral session in 2nd Rashtriya Yuva Vaigyanik Sammelan at Doon University, Dehradun** during February, 6th -7th , 2010.
 - 7) Actively participated in the “**Regional Seminar on I.P.R. issue**” held in **GB Pant University of Agriculture & Technology, Patwadangar, Nainital** During March, 24th 2010.
 - 8) **Lalit Mohan**, Anand B. Melkani, “Screening of essential oil from the *Salvia* species grow in Uttarakhand for Antimicrobial Potential” **Paper was presented in Oral session in National Seminar on “Chemistry Biology Interface: Recent Trends” at Govt. Post Graduate College, Ranikhet** during October, 28th -30th 2010.
 - 9) **Lalit Mohan**, Anand B. Melkani, “Antimicrobial Efficacy of Essential oil from Species of *Salvia* Growing in Uttarakhand” **Paper was presented in Oral**

- session in 5th Uttarakhand state Science & Technology congress at Doon University, Dehradun during November 10th -12th, 2010.
- 10) Lalit Mohan, Anand B. Melkani, “Rich diterpene and antimicrobial activity from the essential oil of *Anisomeles indica* (L.) O. Kuntze” **(Paper was presented in Oral session National Conference at D.B.S. College, Dehradun during May 1st-2nd, 2011.**
 - 11) Actively participated in the “**National Workshop on Intellectual Property Rights & Patent Awareness**”. Department of Biotechnology, Bhimtal Campus, Kumaun University, Nainital During 6th July, 2011.
 - 12) Lalit Mohan, Anand B. Melkani “Terpenoid composition and Antimicrobial potential from species of *Scutellaria* growing in Uttarakhand” **Paper was presented in Poster session in National conference on Emerging trends in chemistry-Biology Interface at Chemistry Department, D. S. B. Campus, Kumaun University, Nainital during November 03th -05th, 2011.**
 - 13) Mohammad S. Javed, Anand B. Melkani and Lalit Mohan “Phytochemical constituents and Antifungal activity of the essential oil from *Salvia leucantha* Cav” **Contribution of Paper in Poster session in National conference on Emerging trends in chemistry-Biology Interface at Chemistry Department, D. S. B. Campus, Kumaun University, Nainital during November 03th -05th, 2011.**
 - 14) Lalit Mohan, Anand B. Melkani and Charu C. Pant “Terpenoid composition of the essential oil and Bioactivity from *Helenium grandiflorum* (Wild) O. Kuntze” **Paper was presented in Poster session in 6th Uttarakhand state Science & Technology congress at S. S. J. Campus Almora Kumaun University, Nainital during November 14th -16th, 2011.**
 - 15) Charu C. Pant, Anand B. Melkani and Lalit Mohan “Phytochemical analysis and antibacterial activity of the essential oil from *Aechmenthara gossypina* (Wall.) Nees” **Contribution of Paper in Poster session in 6th Uttarakhand state Science & Technology congress at S. S. J. Campus Almora Kumaun University, Nainital during November 14th -16th, 2011.**

- 16) Actively participated in the “**National Workshop on Issues surrounding IPR in Uttarakhand**” held UGC-Academic Staff College, Kumaun University, Nainital During 14-15th July, 2012.
- 17) **Lalit Mohan**, Anand B. Melkani and Charu C. Pant “Bioactivity of essential oil and pure compounds isolated from *Senecio* and *Helenium* species” **Paper was presented in Poster session in 6th International Conference on Green Technologies for Environmental Rehabilitation at Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar** during February 11th -13th , 2012.
- 18) Charu C. Pant, Anand B. Melkani and **Lalit Mohan** “Phytochemical analysis and Antimicrobial evaluation of some medicinal plants” **Contribution of Paper in Poster session in 6th International Conference on Green Technologies for Environmental Rehabilitation at Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar** during February 11th -13th , 2012.
- 19) **Lalit Mohan** and Anand B. Melkani “Screening of antimicrobial potential of root extracts of *Salvia mukherjeei* Bennt & raizada **Paper was presented in Poster session in 7th Uttarakhand state Science & Technology congress at Graphic Era University, Dehradun** during November 21th -23th , 2012.
- 20) **Lalit Mohan** and Anand B. Melkani “Screening of antimicrobial potential of root extracts of *Scutellaria scandense* **D. Don**” **Paper was presented in Poster session in 1st International conference on New horizons in pharmaceutical & biomedical sciences Dehradun** during January 12th -13th , 2013.
- 21) Actively participated in the “**Workshop on National e-Governance Plane**” held **Information Communication Technology (ICT) Directorate, Kumaun University, Nainital** During 16th April, 2013
- 22) Reema priydarshi, Anand B. Melkani and **Lalit Mohan** “Terpenoid composition and antibacterial activity from *Inula cappa* (Buch-Ham.ex.D. Don) DC” **Contribution of Paper in Poster session in 8th Uttarakhand state Science & Technology congress at Doon University, Dehradun** during December 26th - 28th , 2013.

- 23) Actively participated in the “**Workshop on Open Educational Resources**”, 15th February, 2014. **Organized by Uttarakhand Open University, Haldwani, Uttarakhand.**
- 24) Actively participated the **National Program on Technology Enhanced Learning (IIT Madras) NPTEL workshop conducted on 21-23 August 2014.**
- 25) Actively participated in **National Workshop on “Harnessing Intellectual Property & It’s Management for Growth and Prosperity” organized by Kumaun University, Nainital. During 15th October, 2014.**
- 26) **Lalit Mohan**, Anand B. Melkani, Therapeutic Impact of Volatiles from *Agrimonia aitchisonii* Schnobeck Temesy and *Pimpinella acuminata* (Edgew.) CB Clarke; poster Presentation on **1st International conference on “Energy functional materials & Nanotechnology” (ICEFN-2016) Held at Department of Chemistry Kumaun University Nainital, from March 27-29th 2016.**
- 27) **Lalit Mohan**, Anand B. Melkani, In vitro Antibacterial and antioxidant Activity of essential oil from aerial parts of *Scutellaria* and *Placranthus* Species from Himalayan region, **Oral Presentation on 19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems Organized by Kumaun university Nainital from October 17-19, 2016**
- 28) Lalit S Bisht*, Anand B Melkani, Rajendra Prasad, Deepshikha Joshi and **Lalit Mohan**, Comparative Study of antimicrobial Activity of the essential oil from root and whole aerial parts of *Carpesium cernuum* L., contributed **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems Organized by Kumaun university Nainital from October 17-19, 2016**
- 29) Rajendra Prasad , Anand B Melkani, Lalit S Bisht, Deepshikha Joshi and **Lalit Mohan**, Chemical composition and study of antibacterial activity of *Dicliptera rixburghiana* Nees. Collected from Two different regions of uttarakhand. contributed **19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical**

- Systems Organized by Kumaun university Nainital from October 17-19, 2016.**
- 30) **Lalit Mohan**, Anand B. Melkani, In vitro antibacterial and antioxidant activity of volatile extract from the aerial parts of *Hypericum perforatum* L. **Oral presentation on 8th Conference of The Indian Science Congress Association (Haridwar Chapter), Nainital held on October 14-15, 2017**
- 31) Lalit S. Bisht, Anand B. Melkani, Rajendra Prasad, Deepshikha Joshi and **Lalit Mohan**; Phytochemical Screening and Antimicrobial activity of essential oil from aerial parts of *Plectranthus Straitus* **8th Conference of The Indian Science Congress Association (Haridwar Chapter), Nainital held on October 14-15, 2017.**
- 32) Rajendra Prasad, Anand B. Melkani, Lalit S. Bisht, Deepshikha Joshi and **Lalit Mohan**, Exploration of Chemical Composition and Bioactivity of essential oil from aerial parts of *Maesa argentea* Wall, **8th Conference of The Indian Science Congress Association (Haridwar Chapter), Nainital held on October 14-15, 2017.**
- 33) **Lalit Mohan**, Anand B. Melkani, In vitro antimicrobial activity of volatile extract from the aerial parts of *Chaerophyllum acuminatum* **Oral Talk on 2nd International conference on “Energy functional materials, Nanotechnology & Sustainable environment Management” (ICEFN & SEM -2019) Held at Department of Chemistry Kumaun University Nainital, from May 24-26th 2019.**

Book Chapter-

- 1) *Terpenoid Composition and Bioactivity of essential oil from Helenium grandiflorum (Willd) “Science and technology in Uttarakhand & Uttarakhand State Council for Science and Technology (UCOST), p-57-66 (2014), ISBN-978-81-211- 0887-4*

8. Conference/Seminar organized:

S/N	Status as organizer	Title of the conference/seminar	Year and dates
1	Member	1st International	2016 March 27-29th

		conference on “Energy functional materials, Nanotechnology & Sustainable environment Management” (ICEFN & SEM -2016)	
2	Treasurer	2nd International conference on “Energy functional materials, Nanotechnology & Sustainable environment Management” (ICEFN & SEM -2019)	2019 May 24-26th

9. Academic/Administrative positions held

S/N	Chairman/Member/ Secretary	Committee/Board	Year (From-To)
1.	Member	External flying squad annual and Semester Examination, Kumaun University, Nainital	2011-2019 and (2019 -2020 Semester Examination)
2.	Member	Admission Committee B.Sc. II Sem & M.Sc. I Sem.	Academic year 2014-2015. 2015-2016, 2016-2017 and 2017-2018.
3.	Program Officer (NSS)	National Service scheme D. S. B. Campus Unit	Since 2016

10. Any other Information:

- National Service Scheme (NSS)-Special camp attained certificates from Kumaun University Nainital.
- Participated in 5th Uttaranchal State shooting Championship 2006 organized by Uttaranchal State Rifle Association under the auspices of National Rifle Association of India at Jaspal Rana Shooting Academy, Mazhon Paunda, Dehradun. 25th-27th August 2006.
- One year Master Diploma in Computer Software Technology from **Sys Computer Education in the year 2004-2005.**

Declaration

(I hereby certified that all the information given above is true to the best of my knowledge)

Place: Nainital

Date: 11/06/2020

(Dr. Lalit Mohan)