

ACADEMIC PROFILE OF FACULTY MEMBER

1. Name: Dr. Girish Chandra Kharkwal
2. Designation: Guest Faculty
3. Qualification: M.Sc., Ph.D.
4. Area of Specialization/Research field: Phytochemistry and Soil Chemistry
5. Awards/Recognitions: Best poster presentation (Third Prize) in National Conference at D.B.S. College, Dehradun.
6. Number of Research projects:

i) Completed

S/ N	Title of the project	Funding Agency	Amount(Rs.)	Year (From-To)
	NA	NA	NA	NA

ii) On-going

S/ N	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion
	NA	NA	NA	NA	NA

7. Number of Ph. Ds awarded. NA
8. Number of candidates working for Ph.D. award: NA

9. Publications:

i) Books

S/N	Co-Author/s	Title	Publisher	Year of publication
	NA	NA	NA	NA

ii) Research Articles published

- H. K. Pandey, **G. C. Kharkwal**, Anchala Guglani, G. Balakrishna, A. K. Gupta, Sanjai K. Dwivedi and Madhu Bala, Evaluation of antioxidant potential of industrially important *Cinnamomum* species grown in of western Himalayas, *Progressive Horticulture*, 2019, 51, 129-133.

- **G. C. Kharkwal**, C. Pande, G. Tewari, A. Panwar and V. Pande Terpenoid composition and antimicrobial activity of essential oil from *Torilis japonica* (Houtt.) DC. *Journal of Indian Chemical Society*, 2017, 94, 191-194.
- G. Tewari, N. Sharma, S. Sharma, C. Pande, **G. C. Kharkwal**, M. Bisht, A. Rani and D. Punetha, Effect of sludge addition on some soil properties under oxic and anoxic environment, *Journal of Chemical Engineering and Chemistry Research*, 2016, 3, 980-984.
- **G. C. Kharkwal**, C. Pande, G. Tewari, A. Panwar and V. Pande, Volatile terpenoid composition and antimicrobial activity of flowers of *Melia azedarach* Linn. from north west Himalayas, India., *Journal of Indian Chemical Society*, 2015, 92, 141-145.
- D. Punetha, G. Tewari, C. Pande, **G. C. Kharkwal** and K. Tewari, Investigation on Heavy metal content in common grown vegetables from polluted sites of Moradabad District, India, *Journal of Indian Chemical Society*, 2015, 92, 97-103.
- K. Tewari, C. Pande, G. Tewari, **G. C. Kharkwal** and D. Punetha, Volatile constituents of *Geranium wallichianum* D. Don ex Sweet. from north-western Himalayan region *Journal of Indian Chemical Society*, 2015, 92, 123-125.
- G. Kunwar, C. Pande, G. Tewari, C. Singh and **G. C. Kharkwal**, Effect of heavy metals on terpenoid composition of *Ocimum basilicum* L. and *Mentha spicata* L... *Journal of essential oil Bearing Plants*, 2015, 18, 818-825. **IF**: .688
- **G. C. kharkwal**, C. Pande, G. Tewari, A. Panwar, V. Pande, Composition and antimicrobial activity of the essential oil of *Heracleum lanatum* michx. from Uttarakhand Himalaya. *International Journal of Scientific and Technology Research*, 2014, 3, 60-64.
- C. Singh, S, Singh, C. Pande, G. Tewari, **G. C. Kharkwal**, Chemical composition of the leaves essential oil from *Cinnamomum glanduliferum* (Wall.) Meissn from Uttarakhand. *Journal of Essential oil Bearing Plants.*, 2014, 17, 927-930. **IF**: .688

- Gitu Kunwar, Geeta Tewari, Chitra Pande, Charu Singh and **Girish C. Kharkwal**, Family Lamiaceae: Phytoremediation aspects. *Journal of Indian Chemical Society*, 2014, 91,107-112.
- G. Tewari, C. Pande, **G. Kharkwal**, S. Singh and C. Singh, Phytochemical study of the essential oil from the aerial parts of *Coleus aromaticus* Benth. *Natural Product Research*, 2009, 26, 182-185. **IF**: 1.828

Papers in proceedings

- C. Pande, C. Singh, G. Tewari, S. Singh and **G. Kharkwal**, Use of *Mentha arvensis* for phytoremediation. Proceedings of National seminar on Advances on Natural Products Chemistry and Sustainable Development: 4th - 5th June 2011 at Graphic Era University, Dehradun, pp. 57.
- **Girish C. Kharkwal**, Chitra Pande, Geeta Tewari, Charu Singh and Shalini Singh, Essential oil composition of fresh leaves of *Bupleurum lanceolatum* Wall from Uttarakhand. Proceedings of National seminar on advances on Natural Products Chemistry and Sustainable Development: 4th-5th June 2011 at Graphic Era University, Dehradun pp. 65-68 (2011).
- C. Singh, C. Pande, G. Tewari and **G. Kharkwal**, Green technology for removal of heavy metals in polluted soil by using *Ocimum basilicum*.. Published in Proceedings of UGC and UCOST Sponsored national conference on environmental conservation, sustainable natural resources management and strategies for regional development with reference to Uttarakhand held at DAV college, Dehradun, 01-02 May 2011, pp 191-197.
- **G. Kharkwal**, C. Pande, G. Tewari and C. Singh, Effect of heavy metal polluted soil on essential oil composition of *Ocimum basilicum*. Published in Proceedings of UGC and UCOST sponsored National Conference on Environmental Conservation, Sustainable Natural Resources Management and Strategies for regional development with reference to Uttarakhand held at DAV college, Dehradun, 01-02 May, 2011, pp. 53-59.

- S. Singh, G. Tewari, C. Pande and **G. Kharkwal**, Heavy metal content in agricultural soil and some vegetables of Tarai region of Kumaun Himalaya. Proceedings of UGC and UCOST sponsored National Conference on Environmental Conservation, Sustainable Natural Resources Management and Strategies for Regional Development with reference to Uttarakhand held at DAV College, Dehradun, pp 72-84 (2011).

10. Conference/Seminar organized:

S/N	Status as organizer	Title of the conference/seminar/Workshop	Year and dates
1.	Member	Promoting Medicinal and Aromatic Plant (MAP) Sector for Conservation of Snow Leopard Habitats in Himalaya	2019 and 8, 9 September

11. Academic/Administrative positions held

S/N	Chairman/Member/Secretary	Committee/Board	Year (From-To)
	NA	NA	NA

16. Membership to professional Organization/Associations:

S/N	Name of the Association/Organizations	Status of the membership
	NA	NA

17. Any other Information:

(i) Conferences/ Seminars/Workshop

- Oral presentation in Chemical Society 2006-2007, Department of Chemistry, D.S.B. Campus, K.U., Nainital.
- Poster presentation in National Conference on Environmental Conservation, Sustainable Natural Resource Management and Strategies for regional development with reference to Uttarakhand, D. B. S. College, Dehradun, May, 01-02, 2011

- Poster presentation in Conference on Sustainable Mountain Development Summit: 21 - 22 May, 2011, Nainital, Uttarakhand (India) under Indian Mountain Initiative by CHEA.
- Poster presentation in National Conference on Advances in Natural Product Chemistry and Sustainable Development 04-05 June 2011, Graphic Era University, Dehradun.
- Participation in National Workshop on Intellectual Property Rights Awareness, 6 July 2011 at Department of Biotechnology, Bhimtal, Kumaun University, Nainital.
- Poster presentation in International Conference on Green Technologies for Environmental Rehabilitation, Gurukul Kangri University, Haridwar, Feb 11-13 (GTER-2012).
- Poster presentation in 7th Uttarakhand State Science and Technology Congress – 2012.
- Participation in Regional Workshop and Brain Storming Session on Water Quality Management and River Bank filtration (RBF) 25 Feb 2012, Department of Biotechnology, Bhimtal, Kumaun University, Nainital.
- Poster presentation in International Conference on New Horizons in Pharmaceutical and Biomedical Sciences, 12-13 Jan 2013, Sheetal Life Sciences (p) Ltd., Dehradun.
- Participation in DBT sponsored National Training on Computational Biology and its Application, March 15-16, 2013, Department of Biotechnology, Bhimtal, Kumaun University, Nainital.
- Participation in National workshop on e-governance plan 16 April 2013, Information Communication Technology (ICT) Directorate, Kumaun University, Nainital.
- Participation in international Conference on Energy, Functional Materials and Nanotechnology, 27-29 March 2016, Department of Chemistry Kumaun University, Nainital.

(ii) **Research experience**

- ❖ Two year's research experience as a Field Assistance in a project entitled "Remedial strategies for metal contaminated soils using *Mentha* and *Ocimum* species." (2010-2012).

- ❖ Two year's research experience as a Junior Reserch Fellow in another project entitled "Phytoremediation strategies of heavy metal contaminated soils using *Foeniculum* and *Coriandrum* species." (2012-2014).
- ❖ Two year research experience as Research Associate at DIBER, DRDO field station, Panda Farm, Pithoragarh (2017-2019).
- ❖ Three month research experience as a Project Scientist at G. B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi- Katarmal, Almora in the project entitled "Detailed Assessment of Medicinal and Aromatic plant (MAP) species including their collection, usage, demand, market, price trends and life cycle, focusing on landscape in Jammu & Kashmir and Uttarakhand"

Date. 13 /06/2020