

Dr. D. P. Pandey

Head, Department of Chemistry,
Govt. Degree College Dehradun Shahar,
Dehradun-248007.
Uttarakhand., India

E-mail: pandeydp_123@rediffmail.com
pandeydp1968@gmail.com
☎: +91- 9412402517 / +91-8979603889

**PRESENT STATUS**

August 2022 – till now
Courses taught to UG Students
Courses taught to PG Students

Head, Department of Chemistry, GDC Dehradun Shahar, Dehradun.

- Inorganic, Organic and Physical Chemistry.
- Spectroscopy
- Stereochemistry
- Pericyclic Reactions and Photochemistry
- Reaction Mechanism
- Chromatography
- Natural Products
- Organic Synthesis
- Heterocyclic Chemistry

PROFESSIONAL EXPERIENCE

October 2001 – July 2022
June 1998 – September 2001
December 1997 – May 1998

Assistant Professor, Department of Chemistry, RCU Government Post Graduate College, Uttarkashi.
Post Doc Fellow, **ICFRE, Forest Research Institute Dehradun-248001**, Uttarakhand, India.

February 1996 – March 1997

Part Times Lecturer in Chemistry, Pharmacy Department, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, India.

January 1994 – January 1996

Senior Research Fellow, Department of Chemistry, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, India.

Research Experience
Reviewing Assignment
Teaching Experience

Junior Research Fellow, Department of Chemistry, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, India.

M. Sc. Dissertation

25 Years (After Ph.D.)

Ph.D. SUPERVISION

Have reviewed manuscript for several International and National journals

PATENT PUBLISHED

25 Years (Graduate & Post Graduate)

RESEARCH PUBLICATIONS

Supervised M. Sc. Students of Uttarakhand Open University, Haldwani, for their M. Sc. dissertation

04 STUDENTS SUPERVISED FOR THEIR Ph.D. DEGREE.

02 Patent Published

62 Publications in International and National Journals of repute

ADMINISTRATIVE EXPERIENCE

Principal - In-charge
Head
Exam Controller
Coordinator IQAC/NAAC

Govt. Degree College Mori, Uttarkashi.

Department of Chemistry, RCU Government Post Graduate College, Uttarkashi.

RCU Government Post Graduate College, Uttarkashi.

RCU Government Post Graduate College, Uttarkashi.

SCHOLASTIC PROFILE

January 1994-December 1997

D. Phil. from H.N.B. Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand, India.

Thesis Supervisor: Professor Geeta Pant and Professor M.S.M. Rawat

Thesis title: "Phytochemical Analysis and Allelopathic Study of *Prunus armeniaca* and *Rhamnus virgatus*"

1993

M.Sc. Organic Chemistry, H.N.B. Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand, India.

1990

B. Sc. Chemistry, Zoology and Botany, H.N.B. Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand, India.

RESEARCH INTERESTS

Natural Products
Pharmacological Activity

Extraction, isolation and Identification of Natural Products from different parts of medicinal plants and their identification by Chemical and Spectroscopic Methods (IR, UV, Mass, 1D-NMR, 2D-NMR etc.)

Pharmacological activity like Anti-inflammatory, Antioxidant, hepato-protective, Anti-fertility, Anti-cataract etc. Activity of Plants extracts and compounds isolated from them.

TECHNICAL SKILLS

Spectral Analysis
Operating skills

Specialized in interpretation of spectral data viz. Infrared, Ultra violet-Visible Spectroscopy, One-Dimensional and Two-dimensional NMR spectroscopy and Mass Spectrometry

UV-vis-Spectrophotometer, Infrared Spectrophotometer, HPLC, GLC and NMR Spectrophotometer.



MEMBERSHIP OF ACADEMIC

Life member of Indian Science Congress.

SYMPOSIUM & CONFERENCES

25+ Paper/Poster presented in National & International Seminar/conferences or symposium

TRAINING PROGRAMME / WORKSHOP ATTENDED

- Three Weeks Refresher Course in Environmental Studies from 26 November 2016 to 16 December 2016, Human Resource, Development Centre, Guru Nanak Dev University, Amritsar, Punjab, India.
- Four Weeks Orientation Program from 27 August 2016 to 23 September 2016, Human Resource Development Centre, DDU Gorakhpur University, Gorakhpur, UP, India.
- One Week 50th BRNS-IANCAS National Workshop on "Radiochemistry & Applications of Radioisotopes", 29th April – 7th May, 2003. Organized by Department of Chemistry, HNB Garhwal University, Srinagar Garhwal & Indian Association of Nuclear Chemists and Allied Scientists (INCAS).
- One Month training programme in GLC, HPLC and NMR, 14th June to 9th July, 1996, CDRI, Lucknow.
- 13 Days training programme on Operation and Use of Electronic and Analytical Instruments, 13th to 25th May, 1996, Organized by HNB Garhwal University, and Western regional instrumentation Centre (WRIC) Bombay University Mumbai.
- Three Days VIIth National Users Workshop, Application of High Resolution NMR, Mass Spectroscopy and Electron Microscopy, 4th to 6th January, 1995, Organized by Central Drug Research Institute (CDRI), Lucknow.

PATENT PUBLISHED

1. **"COGNITIVE VISUAL MAZE FOR LABORATORY USE"** Reshmee Yadav, Anantika Rahi, Ashmita Das, Krishan Kant Jangde, Nirdesh Kumar, Amrita Singh, Jaya Shree, Devi Prasad Pandey and Surendra H. Bodakhe.
[Patent NO. 147169, Design No. 394917-001, Date: 12-09-2023].
2. **"ARTIFICIAL INTELLIGENCE BASED INTERVENTIONS FOR DEVELOPING STABILITY INDICATING METHOD AND VALIDATION OF ANTI-CANCER DRUG USING RP-HPLC METHOD"**
[Application NO 202211049075 A, The patent Office Journal No 36/2022 dated 09-09-2022].

RESEARCH PUBLICATIONS

1. The visual field-testing maze and vision maze: Feasible techniques to evaluate visual field loss in animals, Shivani Behera, Ashmita Das, Jaya Shree, Pranay Soni, Devi Prasad Pandey, Surendra H. Bodakhe, *Journal of Pharmacological and Toxicological Methods* 126 (2024) 107495.
2. Oxymatrine impedes the progression of endotoxin-induced glaucoma via redox system modulations, Ashmita Das, Onkar Kashyap, Devi P. Pandey, Surendra H. Bodakhe, *Biochem Mol Toxicol.* 2024;38:e23631.
3. Midlife Cholesterol: A Pertinent Contributor to Late-Life Dementia and Alzheimer's Disease, Ashmita Das, Jaya Shree, Devi Prasad Pandey and Surendra H. Bodakhe., In, Ramifi cations of Environmental Change on Human Health, (Ed. Mukesh Kumar & Vipin Kumar), ABS Books, Delhi, pp. 35 (2023).
4. Prevention and Treatment of Cardiovascular Diseases with Plant Phytochemicals: A Review, Evidence-Based Complementary and Alternative Medicine, Rakesh Kumar Bachheti, Limenew Abate Worku, Yilma Hunde Gonfa, Meseret Zebeaman, Deepti, D. P. Pandey, and Archana Bachheti, Volume 2022, Article ID 5741198, 21 pages <https://doi.org/10.1155/2022/5741198>.
5. Flavonoids and Phenolic Acids from Aerial Part of *Ajuga integrifolia* (Buch.-Ham. Ex D. Don): Anti-Shigellosis Activity and In Silico Molecular Docking Studie, *Molecules* 2023, 28, 1111. <https://doi.org/10.3390/molecules28031111s>,
6. Phytochemical Analysis of leaves of *Ardisia solanacea*, D. P. Pandey, UJPAH, Vol 1 (32), 25-29, June (2022).
7. Phytochemical Analysis of chloroform extract of leaves of *Skimmia laureola*, D. P. Pandey, UJPAH, Vol II (33), 55-60, Dec (2022).
8. Anti-Oxidant and Hemolytic Activity, Quantitative Estimation of Phenolic and Flavonoid Content of *Morina longifolia*. D. P. Pandey*, Y. Singh, M. A. Rather and C. Rajsekhran, *Asian Journal of Chemistry*. Communicated (2022).
9. Coir fiber-based cellulose, nanocellulose and their cutting-edge applications. Limenew Abate, Archana Bachheti, Rakesh Kumar Bachheti, Azamal Husen, D.P. Pandey, Megersa Bedo Megra. Elsevier (2021)
10. Exploring important herbs, shrubs, and trees for their traditional knowledge, chemical derivatives and potential benefits. Tilahun Belayneh Asfaw, Tarekegn Berhanu Esho, Archana Bachheti, Rakesh Kumar Bachheti, D.P. Pandey, Azamal Husen. Submitted in Taylor and Francis for publication (2021)
11. Total phenols, alkaloids, tannins and antioxidant activity of wild *Prunus armeniaca* l. Seed collected from Garhwal region of Uttarakhand, india. Indra Rai, Archana Joshi Bachheti, D. P. Pandey and R. K. Bachheti, IJPSR, Vol. 12(6): 3449-3456 (2021).
12. Topical Administration of ACE Inhibitor Interrupts the Progression of Cataract in Two Kidney One Clip Induced Hypertensive Cataract Model. Jaya Shree, Amrita Singh, Rajesh Choudhary, Devi Prasad Pandey & Surendra H. Bodakhe. *Current Eye Research* Pp 1-10 (2021).
13. Forest-Based Edible Seeds and Nuts for Health Care and Disease Control. Y. G. Godeto, A. Bachheti, A. Husen, D. P. Pandey, and R. K. Bachheti. In *Non-Timber Forest Products* pp. 145-174(2021). Publisher Springer, Cham. ISBN: 978-3-030-73076-5
14. Potential Role of Forest-Based Plants in Essential Oil Production: An Approach to Cosmetic and Personal Health Care Applications. Limenew Abate, Archana Bachheti, Rakesh Kumar Bachheti, Azamal Husen, Mesfin Getachew, and D. P. Pandey. In *Non-Timber Forest Products*, pp. 1-18 (2021) Publisher Springer, Cham. ISBN: 978-3-030-73076-5
15. Plant Allelochemicals and Their Various Applications. Archana B., A. Sharma, R. K. Bachheti, A. Husen, and D. P. Pandey. In *Co-Evolution of Secondary Metabolites*, pp. 441-465. Springer (2020).
16. Nanomaterials from various forest tree species and their biomedical applications. Bachheti, R. K., Ashutosh Sharma, A. Bachheti, A Husen, G M Shanka, and D. P. Pandey. In *Nanomaterials for Agriculture and Forestry Applications*, pp. 81-106. Elsevier, (2020).
17. "Structural Elucidation and Antioxidant Activity of Ethyl Gallate Isolated from *Acacia nilotica* (L.) Wild. ex. Delile subsp. *Indica* (Benth.)

- T. Kalaivani, C. Rajasekaran, M. S., V. Vijayakumar, **D. P. Pandey** & Lazar Mathew, *Brenan*. 41(6):355–359 (2018)
18. **Synthesis and anti-inflammatory Activities of Some Newer Potential Isoxazoline Derivatives of Indole**. T. R. Prajapati, **D. P. Pandey**, Vipul Gupta, Bhuwan Joshi, G.K. Dhingra, *IJERC*, **IX(2)**, 87-93 (2018)
 19. **Phytochemical Investigation of *Arnebia benthamii* (Wall. Ex G. Don) I.M. John St.** M. A. Rather, **D. P. Pandey**, Sanjay Kumar, Tasir Sharief Per, and Younis Rashid. *IJRR*, **6(1)**, 21-26 (2018).
 20. **A study of the antiinflammatory activity of Stem bark of *rhamnus purpureus***. Charu Thakur And D.P Pandey. *International Journal of Pharmacy Research and Technology*, **(1)**: 28-34 (2017).
 21. **A new Furocoumarin glycoside from aerial parts of *Pleurospermum brunonins***. M. A. Rather, **D. P. Pandey***, R. P. Singh, Yashwant Singh and D.P. Nautiyal. *Asian Journal of Chemistry*. **29(1)**, 233-234 (2017).
 22. **Ameliorative antimalarial effects of the combination of rutin and swertiamarin on malarial parasites**, Divya Shitlani¹, Rajesh Choudhary, **Devi Prasad Pandey**, Surendra Haribhau Bodakhe, *Asian Pac J Trop Dis* 2016; 6(6): 453-459.
 23. **Phytochemical Analysis and antimicrobial activity of *Pleurospermum brunonins***. Mohd Aslam Rather, **D. P. Pandey***, Ram Pal Singh, Yashwant Singh, Angelika Ullrich. *WLPR*, **5(4)**, 1320-1331 (2016).
 24. **Free radical scavenging potential, reducing power and hemolytic activity of *Arnebia benthamii***, Mohd Aslam Rather, **D. P. Pandey***, Ram Pal Singh And Yashwant Singh. *WLPR*, **5(11)**, 1238-1251 (2016).
 25. **Total Phenolic Flavanoid contents reducing power and free radical scavenging potential of *Pleurospermum brunonis*** M. A. Rather, **D. P. Pandey**, R. P. Singh and Y. Singh. In, Proceedings of IRF International Conference, pp. 13-16 (2016).
 26. **Antimicrobial and Hemolytic Activity of Different extracts of *Arnebia benthamii*** M. A. Rather, **D. P. Pandey**, R. P. Singh and Y. Singh. In, Proceedings of IRF International Conference, pp. 1-4 (2016).
 27. **A comparative study of chemical composition of essential oil from *Eucalyptus globulus* growing in Dehradun (India) & around the world**. Archana Joshi, Ashutosh Sharma, R. K. Bachheti and **D. P. Pandey**. *Oriental journal of chemistry*.32 (1), 331-340. (2016).
 28. **Ameliorative anti-malarial effects of the combination of rutin and swertiamarin on malarial parasites**. Divya Shitlani, Rajesh Choudhary, **D. P. Pandey**, Surendra Haribhau Bodakhe. *APJTD*. **6(6)**, 453-459 (2016).
 29. **Antifertility studies of curcumin and andrographolide combination in female rats**. Nishant Shinde, Akhilesh S. Chauhan, Sanjay K. Gupta, Surendra H. Bodakhe, **D. P. Pandey**. *Asian Pacific J Reproduction*, 1-7 (2015).
 30. **Physico-chemical properties of *Perilla frutescens* seeds**. A Joshi, A Sharma, **D. P. Pandey** and R. K. Bachheti. *Der Pharma Chemica*, 7(5):35-41 (2015).
 31. **A New Flavonol Glycoside from *Kalanchoe pinnata* leaves**. K. S. Bodakhe, K. P. Namdeo, S. H. Bodakhe, **D. P. Pandey**. *Asian Journal of Chemistry*, 25(17): 9763-9765 (2013).
 32. **Physicochemical properties and elemental analysis of some non cultivated seed oils collected from Garhwal region, Uttarakhand (India)**, Indra Rai, R. K. Bachheti, Archana Joshi, and **D. P. Pandey**. *International Journal of ChemTech Research*, **5(1)**, 232-236, (2013).
 33. **Physicochemical properties and elemental analysis of ash of some medicinal plants from Garhwal region, Uttarakhand, India by Atomic Absorption Spectrophotometer (AAS)**, I. Rai, R.K. Bachheti, A. Joshi, and **D. P. Pandey**, and A. Sharma. *Inte. J. Pharm. & Pharma. Sci.*, **4(4)**, 359-362 (2012).
 34. **Anticataract activity of rhamnocitrin isolated from *Bauhinia variegata* stem bark**. Surendra H. Bodakhe, Alpna Ram, Suruchi Verma and **D. P. Pandey**. *Orient Pharm Exp Med*, Published online on 28th Feb (2012).
 35. **Isolation and Identification of Phytochemicals from *Xanthium strumarium*** D. P. Pandey and M.A. Rather. *International Journal of ChemTech Research*, **4(1)**: 266-271 (2012)
 36. **Antiarthritic Studies on *Morina longifolia* extract**. Y. Singh, **D. P. Pandey***, R.P. Singh, M.A. Rather, Surendra H. Bodakhe and Kiran S. Bodakhe. *Advances in Pharmacology and Toxicology*, **12(3)**, 19-24 (2011).
 37. **Phytochemical analysis of aerial Parts of *Ixora paviflora***. R. K. Bachheti, **D. P. Pandey*** Archana joshi Vikas Rana and Indra Rai. *International Journal of ChemTech Research*, **3(3)**, 1028-1032 (2011).
 38. **Phytochemical analysis of *Abutilon Indicum***. **D. P. Pandey***, M. A. Rather, D.P. Nautiyal, and R. K. Bachheti. *International Journal of ChemTech Research*, **3(2)**, 642-645, (2011).
 39. **Chemical Analysis of Aerial Parts of *Justicia gendarussa***. R. K. Bachheti, **D. P. Pandey***, Archana Joshi and Vikas Rana. *International Journal of ChemTech Research*, **3(1)**, 244-247 (2011).
 40. **A New Arylnaphthalide Lignan from *Justicia prostrata* Gamble**. **D. P. Pandey***, D. P. Nautiyal, M. A. Rather, and R. K. Bachheti. *Asian Journal of Chemistry*. **23(5)**, 2125-2127 (2011).
 41. **Phytochemical Analysis of *Tamarix Gallica***. **D. P. Pandey***, K.B. Karnatak, R.P. Singh, M.A. Rather, R.K. Bachheti, and Sumer Chand. *I J P R*, **2(4)**, 2340-2342 (2010).
 42. **New Polyphenolic Aromatic glycoside from *Bauhinia variegata* L. Stem Bark**. Surendra H. Bodakhe, Alpna Ram, Kiran S. Bodakhe, and **D. P. Pandey**. *Asian Journal of Chemistry* 22(5) 3549-3553 (2010).
 43. **A new Aromatic glycoside from *Morina longifolia* Wall.** S. H. Bodakhe, A. Ram, and **D. P. Pandey**. *Asian J Chem*. 22(4) 2789-2793 (2010).
 44. **Comparative Analysis of different detoxification protocols used to detoxify acidic Hydrolyzate Obtained from Lignocellulosic Agricultural Residue**. R.K. Bachheti, **D. P. Pandey**, A. Joshi, and S. Yousuf. *Universities Journal of Phyto-Chemistry & Ayurvedic Heights*, 39-44 (2009).
 45. **Iridoides from aerial parts of *Ixora arborea*, *International Transaction in Applied Sciences***. R.K. Bachheti, **D. P. Pandey***, and Archana Joshi. *International Transaction in Applied Sciences* **1(3)**, 349-358 (2009).
 46. **Chemical analysis of aerial parts of *Justicia gendarussa***. R.K. Bachkheti, **D. P. Pandey***, and A. Joshi. *Univ. J. Phyto-Chem. & Ayurvedic Heights*, 39-44 (2009).
 47. **Chemical composition of the leaf oil of *Lantana camara***. V.S. Rana, **D. P. Pandey**, M. A. Blazquez. *J. of Essential Oil Res.* **17** (2005).
 48. **Two A-type proanthocyanidins from *Prunus armeniaca***. **D. P. Pandey***. *Fitoterapia*, **71(3)**, 245-253 (2000).
 49. **A new secoiridoid glycoside from *Lonicera angustifolia***. **D. P. Pandey***, Vijay Juyal, Rajdev Singh, Virendra Rana, G. Pant, and M.S.M. Rawat. *Fitoterapia*. **71**, 420-424 (2000).
 50. **Constituents of *Rhamnus virgatus* (Rhamnaceae)**. **D. P. Pandey***, G. Pant, M.S.M. Rawat and A. Nagatsu. *Biochemical Systematic & Ecology*. **28(10)**, 1027-1030 (2000).

Curriculum Vitae

51. A new aromatic glycoside from the roots of *Prunus armeniaca*. D. P. Pandey. *Fitoterapia*. **70**, 266-268 (1999).
52. Phytotoxicity of *Rhamnus virgatus* on some field crops. D. P. Pandey*, G. Pant, and M.S.M. Rawat. *Allelopathy J.* **6**(2): 227-242 (1999).
53. An A-type proanthocyanidin from *Prunus armeniaca*. D. P. Pandey, R.K. Joshi, G. Pant, M.S.M. Rawat, K. Inoue, T. Shingu and Z.D. He. *Journal of Natural Product*, **61** (9), 1123-25 (1998).
54. Proanthocyanidins from *Prunus armeniaca* roots. M.S.M. Rawat, D. P. Pandey, R.K. Joshi, & G. Pant. *Phytochemistry*, **50**, 321-324 (1999).
55. Abieslactone from *Abies pindrow*. R.K. Joshi, D. P. Pandey, G. Pant, and M.S.M. Rawat. *Fitoterapia*, **69**, 93 (1999).
56. Plant growth inhibitors (Proanthocyanidins) from *Prunus armeniaca*. M.S.M. Rawat, G. Pant, D. P. Pandey, R.K. Joshi and C.B. Pande. *Biochemical Systematic & Ecology*, **26**, 13-23 (1998).
57. Constituents of *Fraxinus micrantha*. R.K. Joshi, D. P. Pandey, G. Pant, and M.S.M. Rawat. *Fitoterapia*, **LXIX**, 275 (1998).
58. Allelopathic potential of *Prunus amygdalus*. C.B. Pande, D.P. Pandey, R.K. Joshi, M.S.M. Rawat, & G. Pant, *Allelopathy J.* **5**(1), 83-88 (1998).
59. Phytotoxicity of *Cassia Fistula* on *Triticum aestivum* seedlings. R.K. Joshi, D. P. Pandey, R. Nautiyal, G. Pant and M.S.M. Rawat. *Hill Research*, **11**(1): 43-48 (1998).
60. Ephedrannin A from *Prunus armeniaca*. D. P. Pandey, R.K. Joshi, G. Pant, and M.S.M. Rawat. *Fitoterapia*, **68**, 275-276 (1997).
61. Allelopathic effect of root and bark extracts of *Prunus jacquemontii* on *Rhaphanus sativus*. R.K. Joshi, D. P. Pandey, C.B. Pande, M.S.M. Rawat and G. Pant. *Allelopathy Journal*, **4**(2), 329-334 (1997).
62. Allelopathic effect of leaves of *Fraxinus micrantha* on some crops. R.K. Joshi, D. P. Pandey, M.S.M. Rawat and G. Pant. *Allelopathy Journal*, **3**(2), 255-260 (1996).

PERSONAL INFORMATION

Father's Name Late Shri S. P. Pandey
Date of Birth 05-06-1968
Marital Status Married
Nationality INDIAN

I declare the particulars presented in this document are true to the best of my knowledge and belief.

12 May 2024, Dehradun

Dr. Devi Prasad Pandey

