


Curriculum Vitae

Full Name	Dr.VEENA JOSHI		
Designation	Professor		
Department	Chemistry		
Campus	S.R.T.Campus Badshahithaul, Tehri		
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Educational Qualification	Degree (Year), B.Sc. -1985, M.Sc.- 1987, D.Phil.-2005 All from HNB Garhwal University		
Teaching Experience	31Years	Research Experience	22Years
Areas of Interest/ Specialization			
<ol style="list-style-type: none"> 1. Synthetic Organic Chemistry 2. Environmental Science 3. Material Science 			
Membership of Scientific Organization			
<ol style="list-style-type: none"> 1. Association of Chemistry Teachers. 2. Indian Science congress Association. 3. Radnet Society 4. Indian Chemical Society. 5. Geohazard Society. 			
Research Supervision (No of Ph.D. Degree Awarded)Awarded 04 Enrolled - 02			
Research Projects/ MoU undertaken			
<ol style="list-style-type: none"> 1. “A comprehensive study of natural radiation level in Pauri and Udham Singh Nagar district of Utrakhand” funding agency – DAE –BRNS , cost 33,43,550/- 3 year – PI of project (completed) 2. “Strengthening the infrastructure facility at nodal centre to persne Radon Thoron study in Northern Indian” Funding agency – DAE –BRNS , Cost-84, 00,000/- , CO_PI of project – for 3 year (completed) 3. Modelling of Radon exhalation into soil chambers for continuous flux measurement and its validates for continuous flux measurement strength multiparametric measurement A case study Garhwal Himalaya” - Funding agency DAE – BRNS (FA – Cost-21,56,750/- , CO_PI of project (Completed) 			
Administrative Experience			
<ol style="list-style-type: none"> 1. Worked as ADSW , 2. Proctor, Member election committee, 3. Member admission committee. Member anti Raging Squad 4. Member Sports council ,Member Purchase Committee 5. Worked as NSS Programme Officer 6. Worked as Girls Hostel Warden of SRT Campus Badshahi Thaul 7. Working as Head of Department From January 2017 to till date. 			

Scientific Visits Abroad/International Collaboration

1. Visited Brisbane, Australia, For a Conference AOGS held at Brisbane convention and Exhibition Centre Australia from 24-28 June 2013

Conference/Symposium/Workshop Attended , More than 100 attended and papers presented**International**

1. Presented a paper in a Indo-US workshop, Entitled Green synthesis of Biologically active Butenolides, organised by UGC SAP, Dept. Of Chemistry, HNB Garhwal University from 11 to 13 March 2012 at Pacific Hotel Dehradun.
2. Presented a paper in Third International Geo-hazards Research Symposium (IGRS-2012) , Entitled Hydropower Projects: Their Environmental and Geological Impact , Organised by Department of Physics HNB Garhwal University Badshahithaul Campus, Tehri Garhwal 10-14 June 2012.
3. Presented a paper in an International seminar Entitled “ Biodiversity and traditional Knowledge of medicinal plants of Uttarakhand “ in a Seminar on Recent Trends in Climate Change Researches and vis a vis Biodiversity , Organised By M.J.P .Rohilkhand University Bareilly ,3-4 Dec 2012. .
4. Presented a paper in an International seminar Entitled “Synthesis, characterization and antimicrobial activity of Butenolides “ in Ist International Conference On new Horizons In Pharmaceutical and Biomedical Sciences , Organised by Sheetal industries and Siddartha College of Pharmacy on 12-13 Jan 2013 at Sri Ram Auditorium Dehradun Uttarakhand
5. Presented a paper entitled “Radionuclide Analysis in soil sample of Uttarkashi Area in Garhwal Himalaya, India” in International Conference on 10th Annual meeting and conference of AOGS held at Brisbane convention and Exhibition Centre Australia from 24-28 June 2013.
6. Presented a research paper entitled “Structural Modifications Of PMMA And PMMA/CNT Matrix By Swift Heavy Ions Irradiation” International Conference on Advanced Material Technologies, Dadi Institute of Technology, Visakhapatnam, Andhra Pradesh, from 27 - 28 December 2016.

National

1. Presented a paper in National Seminar on Quality Assurance of Teacher Education: Initiative and Mechanism ,entitled “Information and communication Technology in Teacher Education “ Organised by Department of Education Modern Institute of Technology ,Dhalwala ,Rishikesh 21&22 April 2012.

2. Presented a paper in entitled "Climate change and Green House Gas Emission from Hydropower reservoir" in a National Seminar on Uttarakhand Disaster Contemporary Issues of Climate change and development with a Holistic approach, 27-27 october, 2013 organized by Sri Dev Suman Uttarakhand University Badshahithaul
3. Presented a paper Entitled "Green synthesis of Biologically active Butenolides in 8th Uttarakhand State Science & Technology Congress-2013, 26-28 December 2013 held at Doon University Dehradun Uttarakhand.
4. Presented a paper Entitled "Cloudburst : Causes and consequences" in a national level seminar organized by Department of Geology HNB Garhwal University SRT Campus Badshahithaul on 26-28 Oct 2014.
5. Presented a research paper entitled "Structural Modifications of PMMA And PMMA/CNT Matrix " 53rd Annual Convention of chemists, GITAM University, Visakhapatnam, Andra Pradesh, from 27 – 29 December 2016.

Conference/Symposium/Workshop Organized during last five years (2012-2017)

1. Organised a conference on Radiation Awareness and Detection in Natural Environment, June 15-17, 2015. With Department of Physics SRT Campus Badshahi Thaul and GDC PG College New Tehri.

Total Number of Research Publications: 31

1. Some new synthetic butenolides, R.P. Chamoli, D.P. Bhatt and V. Joshi, *J.Inst. Chemists (India)*, Vol, 74, Part2, (2002), 65-67.
2. Synthesis and colour of some new Phthalides, R.P. Chamoli, D.P. Bhatt and V. Joshi, *Acta Ciencia Indica*, Vol XXXc, No 2, (2004), 95-100.
3. Synthesis of some bioactive analogues of phthalein dyes and their anticandidal activity, R.P. Chamoli, S. Prakash, D.P. Kothiyal and V. Joshi, *Indian Chem. Soc.* Vol 83 October, (2006), 1047-1048.
4. Synthesis of some new $\Delta^{\alpha\beta}$ butenolides, S. Prakash, V. Joshi and R.P. Chamoli, *Indian Journal of Chemistry*, Vol. 48B, (October 2009), 1438-1441.
5. Some new furanones : Synthesis, characterization and antimicrobial activity, V. Joshi, S. Prakash and R.P. Chamoli, *J. Indian Chem. Soc.* 87, (2010), 373-378.
6. Synthesis of New $\alpha\beta$ -Unsaturated Butenolides, V. Joshi and R.P. Chamoli, *Bull. Chem. Soc. Ethiop.* (2010), 24(3), 467-471.
7. Assessment of Dose Due to Exposure to indoor Radon and Thoron Progeny, Raturi G. Prasad Gurupad, S. Gusain, V. Joshi and R.C. Ramola, *Nuclear Technology and Radiation Protection.* (2010), 25(3), 198-204.

8. Study of natural radionuclide and absorbed gamma dose in Ukhimath area of Garhwal Himalaya, India”, B.S. Rautela, M.Yadav, A.A. Bourai, V.Joshi, and R.C. Ramola, *Radiation Protection Dosimetry*. (2012), pp 58-61, doi10.1093/rpd/ncs187.
9. Variation in radon concentration in ground water of Kumaon Himalaya, India, A.A. Bourai, G.S. Gusain, B.S. Rautela, V. Joshi, G. Prasad and R.C. Ramola, *Radiation Protection Dosimetry*. (2012), pp 55-57, doi10.1093/rpd/ncs186.
10. Measurements of Radon Flux and Soil-Gas Radon Concentration along the Main Central Thrust, Garhwal Himalaya, using SRM and RAD7 Detectors, A.A. Bourai, S. Aswal, A. Dangwal, M. Rawat, M. Prasad, N.P. Naithani, V. Joshi, and R.C. Ramola, *Acta Geophysica*. Vol. 61, no. 4, (Aug. 2013), pp. 950-957, DOI: 10.2478/s11600-013-0132-2.
11. Modifications induced by O⁺⁸ ion beam to Lexan polycarbonate, A. Semwal, A. Negi, V. Joshi, T. Sehgal, F. Singh & R.C. Ramola, *Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology*, (2013), DOI:10.1080/10420150.2013.777443.
12. Effects of Li³⁺ and Ni⁹⁺ Ion Beams on Polyether Sulfone polymer, R.C. Ramola, A. Semwal, A. Negi, V. Joshi and F. Singh, *Adv. Polym. Technol*, (2013), 32, 21360, DOI10.1002/ Willey Periodicals.
13. Biodiversity Conservation and challenges to it, V. Joshi, *World journal of Pharmaceutical Research*, Vol. 2(5), (2013), ISSN-2277-7105, 1817-1825.
14. Some plants used in Ayurvedic and Homoeopathic Medicine, V. Joshi, R.P Joshi, *Journal of Pharmacognosy and Phytochemistry*, Vol. 2(1), (2013), ISSN 2278-4136, 269-274.
15. One pot facile synthesis of some new γ,γ -disubstitued butenolides, S. Prakash, V. Joshi, A.M. Painuly and R.P. Chamoli, *International journal of advance research in chemicalsciences*. Vol.2, (October 2015), issue 10
16. Synthetic and Structural characterization of some new $\Delta\alpha,\beta$ butenolides of pharmacological interest, V. Joshi, A.M. Painuly and R.P. Chamoli, *Indian journal of Heterocyclic Chemistry*. Vol.25, (Oct-Dec, 2015), pp 129-136.
17. Study of radon flux from soil in Budhakedar region using SRM, A.A. Bourai, S. Aswal, T. Kandari, S. Kumar, V. Joshi, B.K. Sahoo and R.C. Ramola, *Radiation Protection Dosimetry*. Vol. 171, (2016), pp. 267–270, doi:10.1093/rpd/ncw072.
18. Measurement of radon, thoron and their progeny concentrations in the dwellings of Pauri Garhwal, Uttarakhand, India, V. Joshi, S. Dutt, M. Yadav, R. Mishra and R.C. Ramola, *Radiation Protection Dosimetry* Vol. 171, (2016), No. 2, 234-237 237, doi:10.1093/rpd/ncw065.

19. A comparative study of radium content and radon exhalation rate from soil samples using active and passive techniques, M. Yadav, M. Prasad, V. Joshi, G.S. Gusain and R.C. Ramola, *Radiation Protection Dosimetry*, Vol. 171,(2016), No. 2, pp. 254–256, doi:10.1093/rpd/ncw069
20. Photoluminescence and reflectivity studies of high energy light ions irradiated polymethyl methacrylate films, M.L. Bharti, Sanjay Dutt, R.C. Ramola, Fouran Singh and Veena Joshi, *Optical Materials*, 73(2017), 550-554.
21. Effect of 50 MeV Li³⁺ and 80 MeV C⁵⁺ Ion Beam Irradiation on Surface topographic properties of PMMA Films, M.L. Bharti, Sanjay Dutt, R.C. Ramola, and Veena Joshi, *Radiation Effects and Defects in Solids*, 172(2017), 768-781.
22. Structural Modifications of PMMA and PMMA/CNT Matrix by swift Heavy ions irradiation, M.L. Bharti, Sanjay Dutt, Rakesh Raturi, and Veena Joshi, *IOP conference series*, (2017) 12093.
23. A study on Inhalation dose Due to indoor Radon from Lansdown region of Pauri Garhwal, Uttarakhand India, M.L. Bharti, Sanjay Dutt, and Veena Joshi, *International Journal of Research and Analytical Reviews*, 5(3)(2018) 451-456.
24. Functionalization of *Moringa oleifera* gum for use as Hg²⁺ ions adsorbent, Veena Joshi, Sunita Ranote, Bhagat Ram, Dharamender Kumar, Ghanshyam S. Chauhan, *Journal of Environmental Chemical Engineering* 6 (2018) 1805-1813. ISSN-2213-3437
25. Green synthesis of *Moringa oleifera* gum-based bifunctional polyurethane foam braced with ash for rapid and efficient dye removal, *Chemical Engineering Journal* 361(2019) 1586-1596
26. Swift Heavy ion induced modifications in Polystyrene(PS), M.L. Bharti, Sanjay Dutt, and Veena Joshi, *International Journal of Research and Analytical Reviews*, 6,2(2019) 763-765.
27. Etherified *Moringa oleifera* gum as rapid and effective dye adsorbent, Veena Joshi, Sunita Ranote, Ghanshyam S. Chauhan, *Chemical Engineering Journal*, 387(2020), 124055.
28. “Green synthesis of *Moringa oleifera* gum-based bifunctional polyurethane foam braced with ash for rapid and efficient dye removal, Sunita Ranote, Dharamender Kumar, Sapana Kumari, Rakesh Kumar, Ghanshyam S. Chauhan, Veena Joshi *Chemical Engineering Journal* 361(2019) 1586-1596. ISSN- 1385-8947.
29. Study of radiation exposure due to indoor radon, thoron and progeny in Ghuttu, Tehri Garhwal, India, Rohit Singh Sajwan, R.C. Ramola, Naresh Kumar, Sanjay Dutt, Kavita Rawat, Mukesh Prasad and Veena Joshi, *Journal of Radioanalytical*

and Nuclear chemistry,330(2021),1497-1507.

30. Study of Indoor radon thoron and their Decay products level in Residences of Udham Singh Nagar District of Utrakhand ,India , Sanjay Dutt,Rohit Singh Sajwan, R.C.Ramola,Manjulata Yadav,Rosaline Mishra and Veena Joshi *Journal of Radioanalytical and Nuclear chemistry*, 330(2021)1509-1515.
31. Functionalised Moringa oleifera Gum as pH-responsive Nanogel for doxorubicin delivery: synthetic ,Kinetic Modelling and in Vitro Cytotoxicity study, Sunita Ranote, Marta Musiol,Marek Kowalczuk , Veena Joshi ,Ghnashyam S.Chauhan,Rakesh Kumar,Sandeep Chauhan and Kiran Kumar,*Polymers*,14(2022),4697.