

CURRICULUM VITAE

Dr. Manjulata Yadav
Department of Physics,
H.N.B. Garhwal University Campus,
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CURRENT POSITION

Assistant Professor
Department of Physics,
Govt. Degree College Nainidanda Pauri Garhwal
PIN - 246161

FIELD OF SPECIALIZATION

1. Nuclear Physics (Radiation Physics)
2. Environmental Radioactivity
3. Electronics

PERSONAL DETAILS

Name:	Manjulata Yadav
Father's Name:	Sh. Narendra Mani Yadav
Date of Birth:	05-07-1988
Nationality:	Indian
Marital Status:	Single
Address of correspondence (1):	Department of Physics, Govt . Degree College Nainidanda , Pauri Garhwal Uttarakhand Pin- 246421
Address of correspondence (2):	C/O- Shri. Premlal Uniyal Place & Post- Chamba District- Tehri Garhwal Uttarakhand Pin- 249145
Permanent Address:	D/O- Shri. Narendramani Yadav Village & Post- Chamba

District- Tehri Garhwal
Uttarakhand
Pin- 249 175

E-mail Address: manjuyadav187@gmail.com

Web Page: <https://www.researchgate.net/profile/manjuyadav>

EDUCATIONAL QUALIFICATIONS

S.N.	Degree/Certificate	Subject/Subjects	Univ./Board	Year	Division
1	Ph.D-NET	Physics	H.N.B.G.U	2015	-----
2	Pre-Ph.D	Physics	H.N.B.G.U	2011	First
3	M.Sc.	Physics	H.N.B.G.U	2009	First
4	B.Sc.	Physics, Chemistry, Mathematics	H.N.B.G.U	2007	First

RESEARCH EXPERIENCE (4 Years)

- 1. RESEARCH SCHOLAR (4 Years):** Feb, 2011 to Feb , 2015 Work has been carried out at H.N.B. Garhwal University Campus Badshahithaul, Uttarakhand, India.

TEACHING EXPERIENCE

	During Research(4 Years)	As Guest Faculty(Year)	Institution/University
UG	Feb , 2011 to Feb, 2015	December , 2015	H.N.B. Garhwal University
PG	Feb, 2011 to Feb, 2015	June , 2015	H.N.B. Garhwal University
UG	11,December , 2015	June , 2020	Govt P.G College Agastymuni
PG	11,December , 2015	June , 2020	Govt P.G College Agastymuni
UG	2 July , 2020	Present Time	Govt . Degree College Nainidanda Pauri Garhwal

PUBLICATIONS(List of papers published in SCI Journals)

- a. Levels and Effects of Natural Radionuclides in Soil Samples of Garhwal Himalaya. ManjulataYadav, MukeshRawat, AnoopDangwal, Mukesh Prasad, G.S. Gusain, R.C. Ramola. *Journal of Radioanalytical& Nuclear Chemistry*302 (2014) 869-73.
- b. Study of natural radionuclide and absorbed gamma dose in Ukhimath area of Garhwal Himalaya, India. B.S.Rautela, **ManjulataYadav**, A.A.Bourai, Veena Joshi, G.S.Gusain&R.C.Ramola. ***Radiat. Prot. Dosim.* 152 (2012) 58-61.**
- c. Natural radionuclide analysis in Chattarpur area of southeastern coastal area of Odisha, India. B.S.Rautela. G.S.Gusain, **ManjulataYadav**, S.K.Sahoo S.Tokonami, &R.C.Ramola. *Acta Geophysica* 61 (2013) 1038-1045.
- d. Distribution of natural radionuclide along Main Central Thrust in Garhwal Himalaya. R.C.Ramola, **ManjulataYadav** & G.S.Gusain. *J. Radiation Research and Applied Sciences* 7 (2014) 614-619.
- e. Measurements of Radon and Thoron Progeny Concentrations in dwellings of Tehri Garhwal, India using LR-115 deposition based DTPS/DRPS technique. Mukesh Prasad, MukeshRawat, AnoopDangwal, **ManjulataYadav**, G.S. Gusain, Rosaline Mishra and R.C. Ramola. ***Radiation Protection Dosimetry***167 (2015) 102-106.
- f. Natural Radionuclides analysis in soil samples of Purola area of Garhwal Himalaya, India. **ManjulataYadav**, MukeshRawat, AnoopDangwal, Mukesh Prasad, G.S. Gusain and R.C. Ramola.***Radiation Protection Dosimetry***167 (2015)215-218.
- g. A comparative study of radium content and radon mass exhalation rate from soil samples using active and passive techniques. **ManjulataYadav**, Mukesh Prasad*, Veena Joshi,G.S. Gusain and R.C. Ramola. ***Rad Prot Dosim.***(Available online at <http://rpd.oxfordjournals.org> Doi: 10.1093/rpd/ncw069) 2016 Oct;171(2):254-256.
- h. Measurement of Natural Radioactivity , Radon exhalation rate radiation Hazard

Assessment in indian cement samples. Anil Sharma ,Ajya kumar Mahura, **ManjulataYadav** R.G Sonkawade, A.C Sharma, R.C Ramola Rajendra Prasad, **Physics Procedia 80(2015)135-139.**

- I. Measurement of Radon , Thoron And Progeny Concentrations in the Dwelling of Pauri Garhwal Uttarakhand , India Veena Joshi, Sanjay Dutt, **Manjulata Yadav**, Rosaline Mishra and R. C. Ramola **Radiation Protection Dosimetry (2016), pp. 1–4. doi:10.1093/rpd/ncw065.**
- J. a study on inhalation dose due to indoor radon from lansdowne region of pauri garhwal, uttarakhand, india **2018 IJRAR SEPTEMBER 2018, volume 5, issue 3 www.ijrar.org (e-issn 2348-1269, p- issn 2349-5138).**
- K. Variation of natural radioactivity in soil and water samples of Garhwal Himalaya, India February 2022 Journal of Radioanalytical and Nuclear Chemistry 331(6) DOI: 10.1007/s10967-021-08147-3.
- L. Study of indoor radon, thoron and their decay products level in residences of Udham Singh Nagar district of Uttarakhand, India August 2021 Journal of Radioanalytical and Nuclear Chemistry.
- m. Study of Radionuclides in Rocks Samples from Ukhimath Area and Its Correlation with Soil and Water Data Chemistry Africa (2023) <https://doi.org/10.1007/s42250-023-00635-1>

SCIENTIFIC VISITS ABROAD

1. **September, 2014:** Visited **Hirosaki University, Hirosaki, Japan** in September, 2014 for presenting research paper in **1st Educational Symposium on Radiation and Health by Young Scientists (ESRAH 2014).**
2. **September, 2014:** Visited **Hirosaki University, Hirosaki, Japan** during September, 2014 for presenting research paper in **9th International Conference on Natural Radiation Environment.**

AWARDS/PRIZE

1. **Best Poster Presentation Award** in National Conference in SRT Campus Badshi Thaul.
2. **Leading Women Researcher Award 2022 Uttarakhand State Council for Science and**

Technology .

3. SRR Young Science Award

Scientific Training Programmes Conducted/ Attended

- a. ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070 AICTE Training And Learning (ATAL) Academy Academy Online FDP on "Quantum Computing" from 2020-10-19 to 2020-10-23 at Sri Ramakrishna Engineering College
- b. Presented a Paper in *OPEN SOURCE GIS SOFTWARE – QGIS*” Program from 06.08.2020 to 12.08.2020 and delivered a presentation on Application of QGIS software to present the radiation map in radionuclide distribution in Garhwal himalaya region with grade A.
- c. International Virtual Conference on Physics of solid State Materials Organized by the Department of Physics St Aloysius College (Autonomous) Mangaluru - 575003, India On 2-3 September 2020.
- d. Attended orientation program organized by GNDU and got a A⁺

PAPER PRESENTED IN INTERNATIONAL CONFERENCES

1. Presented a paper in the “**Third International Geo-Hazards Research Symposium**”, held at Department of Physics, **H.N.B. Garhwal University Campus, Badshahithaul, Tehri Garhwal**, Uttarakhand, India from 10 June-14 June, 2012.
2. Presented a paper in the “**1st Educational Symposium on Radiation and Health by Young Scientists (ESRAH 2014)**” held at **Hirosaki University, Japan** during September 21-22, 2014.
3. Presented a paper in the “**9th International Symposium on Natural Radiation Environment (NRE-9)**” held at **Hirosaki University, Japan** during September 23-26, 2014.
4. Third National Conference on Radiation Awareness and Detection in Natural Environment March 18-20, 2021.
5. **5th Asian Congress of Radiation Research at DAE Convention Centre, Anushaktinagar, Mumbai-400 094 During Nov. 17-20, 2022**
6. **First international Conference on Radiation Awareness and Detection in Natural Environment March 2-4, 2023.**

NATIONAL CONFERENCES ATTENDED/PAPER PRESENTED

1. Participated in “**National Symposium on Mind, Matter and mathematics: A Dialogue**” held on 12th -14th March 2014 at H.N.B. Garhwal University, Badshahi Thaul Campus, Tehri Garhwal.
2. Presented a paper in “**National Seminar on Geo-Environmental Hazards and Neo-Tectonic Activities in Garhwal Himalaya**” held on October 28-30, 2014 at H.N.B. Garhwal University Campus Badshahi Thaul, Tehri Garhwal.
3. Presented a paper in “**National Conference on Radiation Awareness and Detection in Natural Environment**” held on June 15-17, 2015 at H.N.B. Garhwal University Campus Badshahi Thaul, Tehri Garhwal.
4. Presented paper in “**National conference Institute of technology , Gopeshwar , 1st National Conference on Progressive Science & Enegeering**” (NCPSE-2016) 24-25 October-2016.
5. **23 NSRP This symposium theme “Innovations in Radiation Physics”**

Book Chapter.

दुर्गम क्षेत्रों में आनलाइन शिक्षा पर पढ़ा शिक्षा का प्रभाव **ISBN 978-93-92611-48-3.**

Successfully Completed orientation Course and got A+ ,

WORKSHOPS ATTENDED

1. Participated in the **Workshop** on “Development of Low Cost Scientific Experiments to Inspire Inquiring Spirit among Students” held at Department of Physics, **Govt. P.G. College New Tehri, Tehri Garhwal**, Uttarakhand during October 28-30, 2013.
2. Participated in the **Workshop** on “Comprehensive lesson based Experiments for physics Teacher” held at Department of Physics, **Govt. P.G. College Gopeshwar Chamoli New**, Uttarakhand during November 9-11, 2016.
3. Participated in the **Workshop** “Radiochemistry and application of Radioisotopes” held at Department of Physics Guru Nanak Dev University ,Amritsar -143005(India) During 17 feb to 23 Feb 2020

OTHER ACADEMIC ACTIVITIES

- (1) Member of extra curriculums activities SPORTS, CULTURE, , NAAC , ADMISSION,
NSS during academic year
- (2) Computer course (6 month)
- (3) NSS A,B and C certificate

DECLARATION

I hereby declare that the above mentioned information is true.

Date-11/5/23

Place- Nainidanda

(ManjulataYadav)