

# Dr. Ganesh Prasad

## ASSISTANT PROFESSOR

Department of Physics  
B.L.J. Govt. (P.G.) College Purola, Uttarkashi  
Higher Education Uttarakhand



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P.O.- Pilkhi, Tehri Garhwal.

### PERSONAL INFORMATION

Father's Name	Mr. Girish Prasad Raturi
Date of Birth	14-01-1980
Nationality	Indian
Gender	Male
Languages Known	Hindi & English
Marital Status	Married

### EDUCATION

COURSE	YEAR	COLLEGE/INSTITUTE	BOARD/UNIVERSITY	%
High-School	1994	Bal Ganga Govt. Intermediate College, Kemra, Kemar	U.P. Board	47
Intermediate	1996	Bal Ganga Govt. Intermediate College, Kemra, Kemar	U.P. Board	53
B.Sc. (PCM)	1999	S.R.T. Campus, Tehri	H.N.B. Garhwal University	58
M.Sc. Mathematics	2001	S.R.T. Campus, Tehri	H.N.B. Garhwal University	66
Ph.D.	2009	S.R.T. Campus, Tehri	H.N.B. Garhwal University	-

### AWARDS & ACHIEVEMENTS

### RESEARCH EXPERIENCE

- **Research Fellow:** 1 October 2003 - 30 September 2006: Under the UGC, New Delhi, India; Research work carried out at Garhwal University Srinagar Garhwal, India.
- **S.R.F-Direct (CSIR):** 1 April 2008 - 31 December 2008: Under the CSIR, New Delhi, India; Research work carried out at Garhwal University Srinagar Garhwal, India.
- **R.A- Direct (CSIR-Direct):** 1 January 2009 – 25 September 2009: Under the CSIR, New Delhi, India; Research work carried out at Garhwal University Srinagar Garhwal, India.
- **PDF (UGC-Dr. D.S. Kothari Post Doctoral Fellowship):** 1 November 2009 - 27 September 2010: Under the UGC, New Delhi, India. Research work carried out at Garhwal University, Srinagar Garhwal, India.

## TEACHING EXPERIENCE

- **Assistant Professor | B.L.J. Govt. (P.G.) College Purola, Uttarkashi**

- Teaching UG students all the courses in the curriculum.

January 2017 -  
Present

## RESEARCH PUBLICATIONS

1. A survey of gamma dose rate in Relation to radon concentration in soil and spring water at Budhakedar, Tehri Garhwal (Uttaranchal). *Proc.13<sup>th</sup> National Symposium on Environment, Shilong, India* (2004) 297-299. 2004
2. Radon variation in drinking water with different Lithotectonic units of Uttaranchal Himalaya, *Radiation Protection and Environment* **28** (2005) 215-217. 2005
3. Variation of radon levels in spring water with meteorological parameters and seismic events in Garhwal Himalaya, *Environmental Geochemistry* **9** (2006) 76-79. 2006
4. Variation in Radon Concentration and Terrestrial Gamma Radiation Dose Rate in Relation to lithology in Southern Part of Kumaun Himalaya, India. **Prasad** and S.K. Bartarya. *Radiation Measurement* **41** (2006) 714-720. 2006
5. Measurement of radon thoron and their daughter products in Budhakedar Homes., *Indian J. of Chemical and Environment Research*, **15** (2006) 238-241. 2006
6. Environmental Gamma dose rate measurements in Himalaya Region. *Proc.15<sup>th</sup> National Symposium on Environment, Coimbatore, Tamil Nadu, India* (2006) 492-495 2006
7. Radon Emanation from Soil and Ground water and Surface gamma dose rate in Budhakedar, Garhwal Himalaya, India. *Indoor Built Environment* **16** (2007) 83-88. 2007
8. Radon Occurrence in soil-gas and ground water around an active landslide. *Radiation measurements* **43** (2008) 98-101. 2008
9. Radon exhalation rate from soil samples of south Kumaun Lesser Himalaya, India. *Radiation Measurements* **43** (2008) S369-S374. 2008
10. Measurement of radon, thoron levels in soil, water and indoor atmosphere of Budhakedar in Garhwal Himalaya, India. *Radiation Measurements* **43** (2008) S375-S379. 2008
11. Soil-gas radon as seismotectonic indicator in Garhwal Himalaya, *Applied Radiation and Isotopes* **66** (2008) 1523-1530. 2008
12. <sup>226</sup>Ra, <sup>232</sup>Th and <sup>40</sup>K contents in soil samples from Garhwal Himalaya, India and its radiological Implications. *J. Radiol. Prot.* **28**(2008) 379-385. 2008
13. Retrospective assessment of indoor radon exposure by measurements of embedded <sup>210</sup>Po activity in glass objects. *Atmospheric Environment* **42**(2008) 9123-9127. 2008
14. Geohydrological control on Radon availability in groundwater, *Radiation Measurements* **44** (2009) 122-126. 2009
15. Variation of radon concentrations in soil and groundwater and its correlation with radon exhalation rate from soil in Budhakedar, *Indian Journal of Physics* **83**(6)887-892 (2009). 2009
16. Seasonal Variation of Radon Emission from soil and water, *Indian Journal of Physics* **83**(7) 1001-1010 (2009). 2009
17. Gamma radiation dose rate in indoor, outdoor and underground atmosphere around Tehri Dam project, Uttarakhand. *Indian Journal of Physics.* **83**(8)1209-1214(2009). 2009

18. Studied of natural radionuclides and dose estimation from soil samples of Kumaun Himalayas. *Indian Journal of Physics*. 83(8)1215-1220(2009). 2009
19. Comparison of indoor radon level with radon exhalation rate form soil in Garhwal Himalaya. *Radiation Measurements* 44 (2009) 1032-1035. 2009
20. Preliminary indoor thoron measurements in high radiation background area of southeastern coastal Orissa, India. *Radiat. Prot. Dosim.* **141** (2010) 379-382. 2010
21. Assessment of dose due to exposure of indoor radon and thoron progeny. *Nuclear Technology & Radiation Protection* **25** (2010) 198-204. 2010
22. Radionuclide analysis in the soil of Kumaun Himalaya, India using gamma ray spectrometry. *Current Science*, 100 No. 6, 25 March (2011) 906-914. 2011
23. Estimation of indoor radon concentration based on radon flux from soil and groundwater. *Applied Radiation and Isotopes* 68 (2011) 1318-1321. 2011
24. Seasonal and diurnal variations of radon/thoron exhalation rate in Kanto-loam area in Japan. *J Radioanal Nucl Chem*, DOI 10.1007/s10967-012-1620-6. (2012). 2012
25. Estimation of radon diffusion coefficients in soil using an updated experimental system. *Review of Scientific Instruments*, 83 (2012) 093503-6. 2012
26. Distribution of terrestrial gamma radiation dose rate the Eastern Coustal area of Odisha, India. *Radiat. Prot. Dosim.* 152(1-3): 42-45, August 8 (2012). 2012
27. Variation of radon concentration in groundwater of Kumaon Himalaya, India. *Radiat. Prot. Dosim.* 152(1-3): 55-57, August 22 (2012). 2012
28. Levels of thoron and progeny in high background radiation area of southeastern coast of Odish, India. *Radiat. Prot. Dosim.* 152(1-3): 62-65, August 22 (2012). 2012
29. Measurement of radon exhalation rate and gamma ray dose rate in Hiroshima Prefecture, Japan. *Radiat. Prot. Dosim*152(1-3): 130-134, August 23 (2012). 2012
30. Thoron experimental room at the national institute of radiological sciences (NIRS), Japan. *Radiat. Prot. Dosim*152(1-3): 150-153, August 26 (2012). 2012
31. Measurement of radon and thoron concentration in high radiatin background area using pin-hole dosimeter. *Radiation Measurements* **53-54** (2013) 71-73. 2013
32. Naturally occurring radionuclides and rare earth elements in weathered Japanese soil samples. *Acta Geophysica* **61** (2013) 876-885. 2013
33. Radon generation and decay from soil and groundwater of Budhakedar, Garhwal Himalay. *Geo-Hazards: Recent Research*, (2015) 64-69. 2015
34. Viraiton of radon levels in soil and groundwater and its relation with seismic activity in Garhwal Himalaya. *Geo-Hazards: Recent Research*, (2015) 96-105. 2015
35. Radon distribution measurement at various stress conditions in soil over the Garhwal region, Indai. *Geo-Hazards: Recent Research*, (2015) 125-129. 2015
36. Study of Radiation exposure due to radon, thoron and progeny in the indoor environment of Yamuna and Tons Valleys of Garhwal Himalaya. *Radiat. Prot. Dosim.* doi:10.1093/red/ncw055, March 29 (2016). 2016
37. Natural Radioactivity level and elemental composition of soil samples from a high background radiation area on Eastern coast of India (Odisha). *Radiat. Prot. Dosim.* Ncw 052, March 29 (2016). 2016
38. Long-term measurements of residential radon, thoron, and thoron progeny concentrations around the Chhatrapur placer deposit, a high background radiation area in Odisha, India. *Journal of Environmental Radioactivity*: **162-163** (2016) 371-378. 2022
39. Monitoring of terrestrial gamma radiation exposure in different geological stress conditions of Uttarakhand Himalayan. *Journal of Physics. Conference Series* 2267(2022)012102 doi:10.1088/1742-6596/2267/1/012102. 2022

## WORKSHOPS & CONFERENCES

1. Nuclear Science Centre Acquaintance Programme on 10<sup>th</sup> October 2003, S.R.T. Campus, Badshahi Thaul, Tehri Garhwal (India).
2. 20<sup>th</sup> Convention of Indian Association of Sedimentologists (IAS-XX), Department of Geology, H.N.B. Garhwal University, Srinagar Garhwal, November 28-20, 2003.
3. Workshop on Accelerator and Environmental safety on 22-23 April 2004, Nuclear Science Centre New Delhi (India).
4. Thirteenth National Symposium on Environment, on June 5-7, 2004, North Eastern Hill University, Shillong, (India).
5. National Conference cum Workshop on Solid State Nuclear Track Detector and Applications, on November 1-3, 2004, DAV College, Amritsar, (India).
6. 14<sup>th</sup> National Symposium on Solid State Nuclear Track Detector, on November, 10-12, 2005, Aligarh Muslim University, Aligarh, (India).
7. 27<sup>th</sup> IARP National Conference on Occupational and Environmental Radiation Protection, on November 23-25, 2005, Bhabha Atomic Research Centre, Mumbai, (India).
8. 23<sup>rd</sup> International Conference on Nuclear Tracks in Solids, On September 11-15, 2006, Beijing, (China).
9. Conference on, Accelerator and Low Level Radiation Safety, on April 26-27, 2007, Inter University Accelerator Centre, New Delhi, (India).
10. Conference on Cisco NetAcad ReTooling, on May 03, 2007, College of Technology, G.B. Pant University of Agri.& Tech., Pantnagar (India).
11. Fifteenth National Symposium on Nuclear Track detectors and their applications (SSNTD-15), on 21-23 June, 2007, Department of Physics, H.N.B.Garhwal University Campus Badshahi Thaul, (India).
12. National Workshop on Solid State Nuclear Track Detectors (NWSSNTD), on December- 14-15, 2007, Department of Physics at Swami Shukdevanand (P.G.) College, Shahjahanpur, (U.P.) India.
13. Participated in DAE-BRNS theme meeting RADON-2008 on "Advances in the methods of assessment of exposure due to radon, thoron and their decay products" during March 11-13, 2008 at BARC, Mumbai.
14. 16<sup>th</sup> National Symposium on Nuclear Track detectors and their applications (SSNTD-16), on 9-11 November, 2009, Department of Physics, Guru Nanak Dev University Amritsar, (India).
15. International Workshop on the Environmental Thoron and Related Issues and Thoron Intercomparison of Active Methods during, 19-22, May, 2010, Chiba (Japan).
16. Third Asian and Oceanic Congress on Radiation Protection, on May, 24-28, 2010, Tokyo (Japan).
17. 4<sup>th</sup> International Congress of Environmental Research, on December, 15-17, 2011, Surat (India).
18. International Symposium on Natural Radiation Exposures and Low Dose Radiation Epidemiological Studies, on March, 1-3, 2012, Hirosaki University, Japan.
19. Third International Geo-Hazards Research Symposium, on June, 10-14, 2012, Department

of Physics, H. N. B. Garhwal University Campus Badshahi Thaul, India.

20. First National Conference on Radiation Awareness and Detection in Natural Environment, on 15-17 June 2015, Department of Physics & Chemistry, H.N.B. Garhwal University Campus Badshahi Thaul, India.
21. International Conference on Aerosol, Air Quality and Climate Change on Himalayan region of Uttarkhand, on 21-23 October 2018, Department of Physics, H.N.B. Garhwal University Srinagar Garhwal.
22. International Conference on Climate Change and Disaster Risk Reduction, on 26-28 October 2018, Organized by Department of Geology, H.N.B. Garhwal University, Badshahi Thaul.
23. Gyan Kumbh, on 3-4 November 2018, Organized by Department of Higher Education, Uttrakhand & University of Patanjali, Haridwar, Uttrakhand.

**SKILLS**

**HOBBIES AND INTRESTS**

- **Playing Chess**
- **Swimming**

**I hereby declare that the information given above is true and to the best of my knowledge.**

**(Dr. Ganesh Prasad)**