

Dr. Balvinder Singh

1. Name & Full correspondence address - Balvinder Singh

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3. Institution - Guru Jambheshwer University of Science and Technology, Hisar

4. Date of Birth - 10/11/1985

5. Gender (M/F/T) - Male

6. Category - General

7. Whether differently disabled (Yes/No) - No

8. Academic Qualification (Undergraduate Onwards)

Sr. No.	Degree	Year	Subject	Univerisity/Institute	Marks
1.	B.Sc.	2005	Physics, Chemistry, Mathamatics	Kurukshetra Univerisity, Kurukshetra	62.51 %
2.	M.Sc.	2012	Physics	Guru Jambheshwer University of Science and Technology, Hisar	75.39 %
3.	Ph.D.	2016	Physics	Guru Jambheshwer University of Science and Technology, Hisar	-----

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award

Ph.D thesis title	Guide's Name	Institute/University	Year of Award
Baseline Radioactivty (Natural and Fallout) in Different Environmental Matrices within 30-Km Radius around Proposed Nuclear Power Project, Gorakhpur	Prof. Nawal Kishore & Prof. V.K.Garg	Guru Jambheshwer University of Science and Technology, Hisar	March 2016 (Awarded)

10. Work Experience (in chronological order)

S. No	Positions held	Period (month and year both should be given)			Name of institute
		FROM	TO	NO. OF YEARS	
1	Research Fellow	02-03-2010	01-03-2012	2 years	Centre for Radioecology, GJUS&T, Hisar

Sr. No.	Title	Name of journal	Publisher	Year
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2	Extension Lecturer	13-08-2015	14-11-2015	3 Months	CRM JAT PG College, Hisar
3	Extension Lecturer	11-01-2016	12-04-2016	3 Months	CRM JAT PG College, Hisar
4	Extension Lecturer	10-08-2016	09-11-2016	3 Months	Department of Physics, GJUS&T, Hisar
5	Research Fellow	10-11-2016	02-07-2018	1 year 4 Months 25 Days	Centre for Radioecology, GJUS&T, Hisar
6	Assistant Professor (C)	03-07-2018	Till Date		Department of Physics, GJUS&T, Hisar

11. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant

S.No.	Name of Award	Awarding Agency	Year
1.	JEST Qualified with 93.69 percentile (AIR 64)	JEST	FEB-2009
2.	Research Fellow	BARC, DAE, Mumbai	March, 2010- March,2014
3.	Research Fellow	BARC, DAE, Mumbai	November, 2016-June, 2018

12. Publication (List of paper Published in SCI Journals in year wise)

S.No	Title	Name of journal	Publisher	Year
1	Assessment of Arsenic in groundwater of South-Western Haryana, India and chemical body burden caused by its ingestion	Submitted to Journal of Geological Society of India	Poonam Yadav, Vinod Kumar Garg, Balvinder Singh, Suman Mor	2020
2	Natural Radioactivity in Soil, Associated Radiation Exposure and Cancer Risk to Population of Eastern Haryana, India	Journal of Geological Society of India	R Daulta, VK Garg, B Singh	2019
3	Assessment of uranium concentration in the drinking water and associated health risks in Eastern Haryana, India.	Human and Ecological Risk Assessment	Taylor & Francis	2017
4	Assessment of Bio-Concentration Factor of Heavy Metals in Indian Soil-Crop System	Journal of Scientific and Industrial Research (JSIR)	NISCAIR-CSIR	2017
5	Transfer Factors and Effective Dose Evaluation Due to Natural Radioactivity in Staple Food Grains from the Vicinity of Proposed Nuclear Power Plant	Exposure and Health		2017
6	Bioaccumulation and health risks of heavy metals associated with consumption of rice grains from croplands in Northern India	Human and Ecological Risk Assessment	Taylor & Francis	2017
7	Quantification of minerals and trace elements in raw caprine milk using flame atomic absorption spectrophotometry and flame photometry.	Journal of Food Science and Technology	Springer	2015
8	Uranium quantification	Toxicological and	Taylor &	2015

	in groundwater and health risk assessment from its ingestion in Haryana, India.	Environmental Chemistry	Francis	
9	Authors response to Dr. Rathore's comments on Singh B, Garg VK, Yadav P, Kishore N, Pulhani V (2014) uranium in groundwater from western Haryana, India. J Radioanal Nucl Chem 301: 427–433	Journal of radioanalytical and nuclear chemistry		2014
10	Uranium in groundwater from Western Haryana, India.	Journal of radioanalytical and nuclear chemistry	Springer	2014
11	Heavy metals bioconcentration from soil to vegetables and assessment of health risk caused by their ingestion.	Biological trace element research	Springer	2014
12	Quantification and health risk assessment due to heavy metals in potable water to the population living in the vicinity of a proposed nuclear power project site in Haryana, India.	Desalination and Water Treatment	Taylor & Francis	2013
13	Measurement of Environmental Gamma Radiation Dose in Kumharia, Haryana	Eighteenth National Symposium on Environment (NSE-18),		2013

13. Other Information

- Life member of Biotech Research Society, India (BRSI).
- Member organizing committee of Technical Programme Development Meetings (TPDM-2010, 2011, 2012), Radio Ecology Cente, Guru Jambheshwar University of Science & Technology, Hisar.
- Demonstrated the activity of visit of BARC, BRNS, NPCIL guests to Radio Ecology Cente, Guru Jambheshwar University of Science & Technology, Hisar.

- I have responsibility of maintenance of High-End Equipments in Radio-Ecology Centre, Guru Jambheshwar University of Science & Technology, Hisar.
- I have got training on radio chemical analysis and radioactivity measurement at ESL, Tarapur, Maharashtra, India.
- Attended training at BARC, TAPS, RAPS, NAPS to handle radioactivity measurement equipments.
- Involved in development of baseline data for Gorakhpur Anu Vidhyut Priyojana.
- Involved in report writing for NPCIL, DAE on GAVP, Fatehabad, India.
- Field data has been collected on radioactivity and submitted to NPCIL, India to get environmental clearance.
- Participated in different demonstration programs with Incharge, Radio Ecology Centre, Guru Jambheshwar University of Science & Technology, Hisar to make public aware about radioactivity and its effects.
- I have got training on Radon/Thoron monitoring in different matrices at BARC, Department of Atomic Energy, Mumbai, India.

14. Extra-Curricular Activities

- 1st Prize in college level science exhibition (2003-2004).
- Participated in state level science exhibition (2004).
- 1st Position in inter college quiz contest (2004-2005).

15. Skills and Efficiency:

- Good working knowledge of computer software (Microsoft Paint and Orogen Pro 8.5) and Microsoft Office(MS-Word, Excel, Power point) & Application of internet.
- Proficient to handle and good knowledge of the Instruments namely **G M Counter, NaI(Tl) Gamma Spectrometer, HPGe gama Spectrometer, Liquid Scintillation Counter, LaserFluorimeter (Uranium Detection) etc.**

Date:
Place:

(Balvinder Singh)