



CURRICULUM VITAE

Name – Dr. Parul Virk

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Nationality- Indian

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ACADEMIC QUALIFICATION

Degree	Year	College/ University	Remarks
Secondary	1998	C.B.S.E	1 st Division
+2 (Senior Secondary)	2000	C.B.S.E	1 st Division
B.Sc (Environmental Science)	2003	Kurukshetra University, Kurukshetra	1 st Division
M.Sc (Environmental Science)	2005	Panjab University, Chandigarh	1 st Division
<u>UGC/JRF</u>	2004		
PhD in Environmental Science	2011		

COMPUTER SKILLS

- MS Office
- Language Skills- C++, JAVA,
- SPSS Software
- MINITAB SOFTWARE
- Arc GIS 3.2, 9.2 (REMOTE SENSING AND GIS SOFTWARE)
- ROCKWORKS (HYDROLOGY SOFTWARE)

TRAININGS

- Practical Training on Water Analysis Techniques from Ranbaxy, Paonta Sahib, DisttSirmour, Himachal Pardesh from March 18 to April 28, 2005.
- Training on Groundwater Management organized by Central Groundwater Board, North Western Region, Chandigarh from 7th -8th February 2006.

RESEARCH EXPERIENCE

- 5 Years of Research Experience on the topic “ **Land Use Land Cover Change with Special Reference to Geo-environmental problems in District Rupnagar, Punjab India**” under

the supervision of Prof. K.P Singh, Department of Geology, Panjab University, Chandigarh and Dr. Karanjot Kaur Brar, Department of Geography, Panjab University, Chandigarh from Sept 2005 to Dec 2009.

WORK EXPERIENCE (12 years)

- Working as an Assistant Professor in Government College for Girls, Sector-11 Chandigarh since August 2010.

FACULTY DEVELOPMENT PROGRAMMES

- Attended 6 days Faculty Development Programme on the Topic "**Mentoring Skills and Facilitation skills in Rural Higher Education**" organized by Mahatma Gandhi National Council of Rural education in collaboration with UGC-HRDC, Panjab University from 29.08.2022 to 03.09.2022
- Attended seven Days Online Faculty Development Programme on the Topic "**Science, Social Science and Humanities- A quest for Interdisciplinary Understanding**" from 06.08.2021 to 12.08.2021 conducted by Post Graduate Government College for Girls, Sector-11, Chandigarh in Collaboration with Human Resource Development Centre, Panjab University, Chandigarh

RESEARCH PAPER PUBLISHED IN INTERNATIONAL JOURNALS

1	Assessment of groundwater quality for drinking purpose: A case study of NurpurBedi block, Rupnagar district, Punjab, India.	International Journal of Environmental Science. Vol.I (2 nd Issue), pp 239-243, 2010.
2	Evaluation of groundwater quality for drinking and Irrigation purposes in Anandpur Sahib block of Rupnagar District, Punjab, India.	International Journal of Applied Environmental sciences, Vol 5, No.3 (2010), pp, 401-410.
3	Some trace elements investigation in industrial belt of Ropar Block, Rupnagar District, Punjab, India.	International Journal of Industrial Pollution Control, 26(2)(2010) pp 149-154
4	Study on land use in south western part of Punjab through remote sensing and GIS technique.	International Journal of Geographical Science. Vol.I. (1 st Issue). Pp 19-27, 2010.
5	Assessment of water quality for Drinking and irrigation Purposes in selected watersheds of Himachal Pradesh, India.	International Journal of Applied Environmental Sciences, Vol 5, No.3 (2010), pp, 401-410.

6	Study of groundwater quality in parts of district Patiala, Punjab, India with special reference to Nitrate Pollution.	International Journal of Environmental Science. Vol. XXIV (2 nd Issue). Pp. 175-182, 2010.
7	Groundwater Status and management strategies in Rupnagar District, Punjab, India.	International Journal of Environmental and Social Research. Sept 2010.
8	Assessment of Surface water quality for irrigation purpose- A case study of Rupnagar District, Punjab, India.	International Jr. of Ecology, Env and Conservation.
9	Chemical quality of groundwater in Derabassi Block of District Patiala, Punjab, India in relation to suitability for irrigation and drinking purposes.	International Jr. of Ecology, Env and Conservation.
10	Enhancing Groundwater Management through artificial Recharge in Rajpura Block of Patiala District, Punjab, India- A case study of GianSagar Medical college and Hospital.	International Jr. of Ecology, Env and Conservation.
11	Assessment of Groundwater quality of Rupnagar District, Punjab, India in relation to suitability for drinking purpose.	International Journal of Environment and Conservation.

PAPERS PRESENTED IN INTERNATIONAL/ NATIONAL CONFERENCE/ SEMINAR

1. Impact of Agriculture on Groundwater Status: A case study of Rupnagar District Punjab, India. **State level Seminar on Punjab Model of Economic Development: Challenges and Prospects in the changing Scenario. Sept, 28, 2010.**
2. Assessment of Groundwater quality for drinking and irrigation purposes. A case study of Morinda Block, Rupnagar District, Punjab, India. **National seminar on Environmental Challenges: Sustainable Development (ECSD-2010)** during March 29-30, 2010.
3. Land Use Land cover Change of Rupnagar district from 1984 to 2004 using remote Sensing Technology, **Chandigarh Science Congress** held at Department of Environmental Science and Vocational Studies, Panjab University, Chandigarh. Abstract no.178,pp 135
4. Assessment of Groundwater quality in Anandpur Sahib Block of Rupnagar District, Punjab, India. **4th Chandigarh Science Congress, 19-20 March, 2010.**
5. Evaluation of land use land cover change in Rupnagar District, Punjab, India using Remote Sensing and GIS techniques. **International Conference on Environment, Resource and Regional Development, 8-9 March in University of Burdwan.**
6. Industrialization and its health implications in parts of District Solan, Himachal Pradesh, **International Conference on Environment, Resource and Regional Development, 8-9 March in University of Burdwan.**

7. Groundwater development through rainwater harvesting in Siwaliks of Punjab, India. **National seminar on Climate Change and sustainable Development- Regional and Grassroots initiatives on 4-5 March 2010, held at NIITTR, sec-26, Chandigarh.**
8. Assessment and Management of groundwater Resources- a case study of Rupnagar District, Punjab, India. **National seminar on Environmental Hazards and water depletion in Punjab: A ground to worry, March 5, 2010.**
9. Groundwater status and management strategies in Rupnagar district, Punjab, India. **13th Chandigarh Science Congress on Climate Change: Concerns and solutions, Feb 7-9, 2010.**

PARTICIPATED/ CONTRIBUTING NATIONAL/ INTERNATIONAL CONFERENCE/ SEMINARS/REVIEW MEETINGS/ SYMPOSIA/ WORKSHOPS ETC

- Participated in 1st Chandigarh Science Congress held at PanjabUnivesrity, Chandigarh on 10-11 March, 2007
- Participated in National seminar-cum-workshop on Recent Trends and Applications in Geo-Tech Engineering' January 19.2008
- Participated in 2nd Chandigarh Science Congress held at PanjabUnivesrity, Chandigarh, March 14-16, 2008
- Participated in Footprints (Environmental Chapter) 2009 organized by Symbiosis Institute of Media and Communication, Pune at Chandigarh, Nov 13, 2009
- Participated in National Seminar on Excessive of Pesticides and Chemicals (Problems and Solutions) organized by Govt. college, sector 1, Panchkula held on Dec 16, 2009
- Participated in two day Workshop on Solid Waste Management organized by NIITR, Sec-26, Chandigarh.
- Participated in two day National Conference on "Rural India in Global Village: Issues and Perspectives" organized by Department of Sociology from 26th – 27th October 2010 in Post Graduate Government College for Girls, Sector-11, Chandigarh.
- Participated in day Seminar cum Workshop on " Medicinal Plants" organized by Department of Botany from 28th -29th October 2010 in Post Graduate Government College for Girls, Sector-11, Chandigarh.

ATTENDED / CONTRIBUTING NATIONAL/ INTERNATIONAL CONFERENCE/ SEMINARS/REVIEW MEETINGS/ SYMPOSIA/ WORKSHOPS ETC

- Attended 3rd Chandigarh Science Congress held at Panjab University, Chandigarh, April 2009.
- Attended Symposium on Disaster Management organized by Department of Geography, Panjab University, Chandigarh, Feb 19, 2008

- Attended “Users Requirement to Weather and Climate in Northwest India” Especially in Haryana and Punjab and Chandigarh organized by Indian Meteorological Department, Chandigarh, 12 Nov 2009.
- Attended two day workshop on Natural Resource Information for Sustainable Agriculture in Punjab, organized by Punjab Remote Sensing Centre, Ludhiana

ABSTRACT PUBLISHED

- Land Use Land cover Change of Rupnagar district from 1984 to 2004 using remote Sensing Technology, Chandigarh Science Congress held at Department of Environmental Science and Vocational Studies, Panjab University, Chandigarh. Abstract no.178,pp 135
- Socio-economic Impact of Watershed Management in Ropar District, Punjab, India. National seminar cum Workshop on Recent trends and applications in Geo-tech Engineering held at Centre of Advanced Study in Geology, Panjab University, Chandigarh. January 17-19, 2008, Abstract NO. 29,pp 42
- High Nitrate contamination in India. Excessive Use of Pesticides (Solutions and Problems) held at Govt. College Sectot-1, Panchkula.

POSTER PRESENTATIONS

- On theme “Land Use Land Cover Change in relation to Groundwater Quality” Ist Chandigarh Science Congress held at Panjab University, Chandigarh, 2007