

# Rishabh Sarswat

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## Objective

A position for Environment research/consultancy

## Highlights of Qualifications

- Excellent interpersonal relationships and communication skills (7 Journal & 3 Conference publications, 1 invited lecture, 83 citations with 5 h-index (i-10))
- Competencies in managing research labs and handling instruments with precision (Handled AAS, HPLC, FT-ICR, ICPMS, FT-ICR-MS, B.E.T. Surface Area Analyzer, Thermo-gravimetric Analysis, Scanning Electron Microscopy, Spark Plasma Sintering, cell culture).
- Conceptually strong, highly analytical & detail-oriented in approach (Awarded prestigious Indian fellowship -CSIR Senior research fellowship).
- Ability to multi-task & adapt (9 cities, 6 labs, 3 countries).

## Education

**M.Sc. Environmental & Life Sciences**      Trent University, Peterborough Ontario      2019

- Research Project: Seasonal variation of dissolved organic matter (DOM) and diffusive gradient in thin films (DGT)-labile mercury (Hg) in the Quesnel river, BC and the Churchill river, MB
- Courses: Science Communication, Heavy metal toxicity

**B.Sc. Environmental Science**      Gurukula Kangri University, Haridwar India      2004

- Research Project: Sodium Sulphate as a curing agent to reduce saline Chloride ions in the tannery effluent at Kanpur: A preliminary study on techno- economic feasibility.  
[Published in Desalination 201: 14-22 (2006)].
- Courses: Environmental Chemistry & Instrumentation, Microbiology & biostatistics, Eco-biotechnology & remote sensing, Environmental impact assessment & disaster management, Natural resource conservation & management, Wildlife biology, Ecology

## Experience

Researcher, Yeungnam University, South Korea

Dec 2014- Mar 2016

- Cell culture, TAXIScan for chemotaxis of blood cells.

Project Scientist, IIT Kanpur, India

Oct 2011- Sep 2013

- Micro- nano activated carbon sorbents for environmental applications [Published in Chemical Engineering Journal 197: 250-260 (2012)]
- Spark Plasma Sintering for various materials.

Senior Research Fellow, IIT Kanpur, India

Oct 2008- Sep 2011

- Biosorption of heavy metals from natural dye waste

[Published in Environmental Progress and Sustainable Energy 31 (1): 89- 99 (2012), Journal of Cleaner Production 60: 65-70 (2011), International conference of Environment & Health, IIT Kanpur: 116 (2010), Environmental Progress and Sustainable Energy 29 421–427 (2010), International Conference on Environmental Management, Engineering, Planning and Economics” (CEMEPE) Skiathos island, Greece. 643- 648 (2007)]

Project Associate, IIT Kanpur, India

Jan 2005- Sep 2008

- Translocation of Metals to Plants from Fly Ash amended Soil

[Published in Proceedings of National Workshop on “Cleaner Production for Sustainable Development: Status, Challenges, Opportunities and Vision” B.I.T., Mesra, Ranchi 120-123 (2007)]

- Assistance in various research projects including health impacts study of indoor and ambient air exposure of PAHs, health impacts and remediation study of fly ash.

## Extra-curricular

- Photography, poetry, theater, singing.
- Practitioner of meditation techniques & volunteer Art of Living foundation.
- Chief volunteer trauma relief work for marginalized children.
- Cricket, Softball- Merit Certificate in state softball championship.
- President R.A. Hostel Residents Committee (Jan 2008- Feb 2010), IIT Kanpur.
- Exec committee representative, Grad Students Association (Sep 2016- Aug 2017), Trent University.