

CURRICULUM VITAE



Kavita Tripathi

OBJECTIVE-

To achieve and attain a career where I could develop my professional and analytical skills. My work, in the long run should provide me space to explore my capabilities and enhance the prospects of the organization I work with.

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QUALIFICATIONS

- 2013- Ph.D** in Structural Geology from Wadia Institute of Himalayan Geology Dehradun/ Kumaun University, Nainital.
- 2006-** Advance diploma in Computer Application with A+ grade from, Kumaun University, Nainital
- 2005-** M.Sc. Geology (72%), (Gold medallist) Kumaun University, Nainital
- 2003-** B.Sc. Botany, Geology and Zoology (66%), Kumaun University, Nainital
- 2000-** Intermediate (Science with 60%), SADGIC Patwadangar, Nainital
- 1998-** High School (Science with 62%), SADGIC Patwadangar, Nainital

Specialization- Structural Geology, Microtectonics, Field geology, Rock magnetic fabric and Rock deformation.

Thesis entitled “Field and anisotropy of magnetic susceptibility studies around the frontal and oblique fault ramps of the Tethyan Fault in Sutlej and Bhagirathi valleys, western Himalaya”.

M.Sc. Dissertation work:-“Geological and Geomorphological Investigation of the Ratighat- Khairna- Bamsyu area: Implication to the existence to Garampani Fault, Kumaun Lesser Himalaya, District Nainital, Uttarakhand.”

PAPERS PUBLISHED IN INTERNATIONAL JOURNAL – 3 PAPER

- **Tripathi, K.,** Sen, K., Dubey, A. K. 2012. Modifications of fabric in pre-Himalayan granitic rocks by post emplacement ductile deformation: insights from microstructures, AMS and U-Pb geochronology of the Paleozoic Kinnaur-Kailash Granite and associated Cenozoic leucogranites of the South Tibetan Detachment Zone, Himachal High Himalaya. *International Journal of Earth Sciences*. 101:761–772. **Citation-29, Impact Factor- 2.295.**
- Khayingshing Luirei, S. S. Bhakuni, Girish Ch. Kothiyari, **Kavita Tripathi,** P. D. Pant; 2016. Quaternary extensional and compressional tectonics revealed from Quaternary landforms along Kosi River valley, outer Kumaun Lesser Himalaya, Uttarakhand. *International Journal of Earth Sciences*. 105 (3), 965-981. **Citation-15, Impact Factor- 2.295.**
- Sen, K., Dubey, A.K., **Tripathi, K.,** Pfänder, J.A. 2012. Composite mesoscopic and magnetic fabrics of the Paleo-Proterozoic Wangtu Gneissic Complex, Himachal Himalaya, India: Implications for ductile deformation and superposed folding of the Himalayan basement rocks. *Journal of Geodynamics* 61, 81– 93. **Citation-14, Impact Factor- 2.813.**

PAPERS PUBLISHED IN NATIONAL JOURNALS – 3 PAPER

- Koushik Sen, **Kavita Tripathi** and A.K.Dubey; **2013.** Is the North Indian continental margin a Palaeo-Proterozoic magmatic arc? Insights from Magnetomineralogy and geochemistry of the Wangtu Gneissic Complex, Himachal Lesser Himalaya. *Current Science*, 104, 11, 1527-1533. **Citation-07, Impact Factor- 0.756.**
- S. S. Thakur and **K. Tripathi** (2008). Regional metamorphism in the Haimanta Group of rocks, Sutlej river valley, NW Himalaya, India. *Current science*, 95, no. 1, 104-109. **Citation-2, Impact Factor- 0.756.**
- **Kavita Tripathi,** AK Dubey, R Jayangondaperumal., **2019.** Mesoscopic, magnetic and petrofabric study of the High Himalayan gneisses and leucogranite along oblique and frontal ramps of the Vaikrita Thrust in Satluj and Bhagirathi valleys: Thrust locking and superposed folding. *Journal of Earth System Science*, 128 (4), 77. **Citation- 1, Impact Factor- 1.104.** ISSN: 2347-4327 (Print) 0973-774X (Online)

AWARDS/HONORS

- **DST- WOMEN SCIENTIST – Sep- 2018-Sep-2022.**
- **2nd prize** for the Slogan Competition in the “National Productivity Week” 2017 at Wadia Institute of Himalayan Geology, Dehradun.
- **2nd prize** for the Slogan Competition in the Science Day Celebration 2015 at Wadia Institute of Himalayan Geology, Dehradun.
- **2014- CSIR- RESEARCH ASSOCIATE SHIP**
- **2013- GSA- International travel grant to attend the annual meeting in October 2013.**
- **2012- National Institute Extended Senior Research Fellowship** from Sep. 2012 – Sep 2013.
- **1st prize** for the poster presentation in IGU (Indian Geophysical Union) conference -2009.

- **National -WIHG-** Institute SRF from April 2009-June 2012.
- **National- WIHG-** Institute JRF from Dec. 2006- March 2009.
- **Gold Medalist** in M.Sc. 2005 from Kumaun University Nainital.

TRAINING

TECHNICAL

- Morphometric analysis
- Petrographic analysis
- XRF and EPMA sample preparation and polishing
- Thin section preparation
- Anisotropy of Magnetic susceptibility (AMS) using Anisoft software.
- Strain measurement of the deformed rocks using Image J software and Rf/phi method.

FIELD EXPERIENCE

- Geological surface mapping training for **Three weeks** at Kishangarh, area Rajasthan organized by Department of Geology, K.U. Nainital.
- **One Month** Structural and Geomorphic field mapping for the existence and evolution of the Garampani Fault (GF), Kumaun lesser Himalaya.
- Opencast & underground Mapping and Mining training for exploration of economic mineral deposits and evolution of ore body at Khetri and Kolhan Copper mines, Rajasthan
- Detailed field work and geological mapping in and around Mohand area, Saharanpur, U.P using Ground Total Station.
- Subsurface surveying in and around Dehradun valley using Ground Penetrating Radar (GPR).
- **56 Days** field work in the Sutlej valley area, Himachal Himalaya (Kinnuar basin) to collect the structural data and granite sample for the anisotropy of magnetic susceptibility studies.
- **36 Days** Field detailed mapping and structural data collection work in (Gangotri) Garhwal Himalaya.
- Detailed Research Associateship related structural Field work and collection of oriented sample in Malari –Sumna Section, Garhwal Himalaya.
- Field work to collect structural data and oriented sample for project research work in Dalhousie-Chamba area, Himachal Pradesh.

SOFTWARE TRAINING/KNOWLEDGE

- Knowledge of **GIS- Softwares** like Arc- view 9.0. Arc map.
- Expert in working with **Windows 98, 2000 and Xp** and **MS-Office 2003** and 2007.
- **Adobe-Photoshop 6.0 & 7.0, CorelDraw 11&12, Surfer-8, Grapher 5.0, PageMaker, C++, Html and FoxPro.**
- **Anisoft 4.0**, software used for Anisotropy of magnetic Susceptibility of the rock samples.
- **Image J and RF/phi geological software** for strain measurement and shape preferred orientation of quartz grains.
- **Susar software** for AMS analysis of the hard rocks.

REFEREES

Dr. A.K. Dubey,
Retired Scientist “G”

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Dehradun-248001, Uttarakhand
India

Dr. R.J. Perumal,
Scientist “F”

Wadia Institute of Himalayan Geology
Dehradun
India

PERSONAL BIO

Date & Place of Birth- 26 August 1983 – Nainital, Uttarakhand

Citizenship- Indian

Marital status- Married

DECLARATION

I declare the details stated to be true recorded of my experience and qualification to date. In the event of Work Experience, I understand that false and misleading given by me may result in discharge.

Date-14-01-2022
Place – Dehradun



KAVITA TRIPATHI