CURRICULUM VITAE

Dr. Anita Devi
House No.56
Lane No. 4
Rajiv Puram
Karnal, Haryana-132001
E-mail: **anita5808@gmail.com**
Phone: 91-9467996884/7417380070

RESEARCH INTEREST

- Application of Electrical, Electromagnetic and Magnetotelluric prospecting for shallow and crustal Studies
- Modeling and inversion of 2-D and 3-D subsurface structures.
- Integrated interpretation of various geophysical observations.

EDUCATIONAL QUALIFICATION

Ph. D. 2019: Electrical and Electromagnetic prospecting,
Department of Earth Sciences,
Indian Institute of Technology Roorkee,
Roorkee, India.
Title of Ph. D. thesis: **3D MAGNETOTELLURIC AND DCR INVESTIGATIONS AT SELECTED SITES IN UTTARAKHAND**
Supervisor: Prof. M. Israil.

M. Tech. 2012: Applied Geophysics, Kurukshetra University Kurukshetra, India,
CGPA: 81.8

B.Sc. 2009: Electronics, Kurukshetra University Kurukshetra, India.
Percentage: 71.4%
Sr. Secondary School, 2006: Percentage: 67.0%, C.B.S.E. Board.

Secondary School, 2004. Percentage: 74.8%,C.B.S.E. Board.

PROFESSIONAL EXPERIENCE

1. **December, 2019-Feb 2020:** Research Associate, Department of Earth Sciences, IIT Roorkee

Project:#Resistivity survey for determination of rock profile in Almora, Uttarakhand.

2. **Company:** Tojo Vikas International Pvt Ltd, New Delhi, India. **Designation:** Geophysicist; **Experience:** 2 years (2012-2014)

Work Profile: GPR data acquisition using *Mala* and *Zonde* machine. Processing and interpretation of GPR data for underground utility mapping.

Soft Skills

Programming Language: FORTRAN, MATLAB.

Scientific Software: AP3DMT, ModEM, Winglink, RES2DINV, RES3DINV, Mapros, GRAPHER, GMT, ArcGIS, , RADAN 7, PRISM 2.5, Reflex –W

Languages Known: English (SRW), Hindi (SRW)

RESEARCH PUBLICATIONS

---

1. **Anita Devi,** Mohammad Israil, Rathinam Anbalagan, and Pravin K. Gupta 2017. Subsurface soil characterization using geoelectrical and geotechnical investigations at a bridge site in Uttarakhand Himalayan region, *Journal of Applied Geophysics*, (144): 78–85.
2. **Anita Devi,** Mohammad Israil, Pravin K. Gupta, S. K. Varshney, and Naser Meqbel, 2019. Transverse Tectonics Structures in the Garhwal Himalaya Corridor Inferred from 3D Inversion of Magnetotelluric Profile Data, *Pure And Applied Geophysics*, **176**: 4921–4940
3. **Anita Devi**, Mohammad Israil, Arun Singh, and Pravin K. Gupta, 2020. Imaging of groundwater contamination using 3D joint inversion of DCR and RMT data: A case study from Northern India. *Near Surface Geophysics, 18(3), 261-274.* https://doi.org/10.1002/nsg.12092
4. Mohammad Israil, Dharmendra Kumar, **Anita Devi,** Pravin K. Gupta, 2020. Magnetotelluric Investigations in India During Last Five Years. *Proc Indian Natn Sci Acad,* 86(1), 553-568.
5. **Anita Devi**, Mohammad Israil, Arun Singh, and Pravin K. Gupta. Three-dimensional resistivity structure in MCT zone around Chamoli region, Garhwal Himalaya and its seismogenic implication. *Journal of Applied Geophysics* 178, 104060
6. Mohammad Zubair, **Anita Devi**, Mohammad Israil, *P. Yogeshwar and B. Tezka, 2020.* Application of Electrical Resistivity Tomography for Investigation of

Shallow Subsurface HFT Zone in and around Mohand, Uttarakhand, India.#*e-Journal of Geohydrology,* 1**,** 47-55.

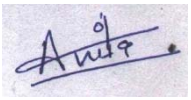
CONFERENCES / WORKSHOPS

1. **Anita Devi**, Mohammad Israil, Arun Singh, and Pravin K. Gupta, 2021. Determining zone of influence of two-dimensional magnetotelluric profile data with 3D inversion: A Synthetic study, *IAGA-IASPIE 2021, Hyderabad, India.* Poster Presentation
2. **Anita Devi**, M. Israil and Pravin K. Gupta, 2020. Geoelectrical characterization of Piedmont zone and Himalayan foothills region in Uttarakhand, India, *36th Indian Geological Congress, Delhi, India (abstract accepted).*
3. Arun Singh and **Anita Devi**, 2020. 3D joint inversion of Magnetotelluric and Direct Current Resistivity data, *36th Indian Geological Congress, Delhi, India (abstract accepted).*
4. **Anita Devi**, Mohammad Israil, Arun Singh, Pravin K. Gupta, P. Yogeshwar, and B. Tezkan, 2019. GW Contamination due to untreated sewage irrigation and waste disposal in Saliyar area delineated using 3D joint inversion of RMT and DCR data-A case study. *8th International Groundwater Conference, Department of Hydrology, Roorkee*. Oral Presentation
5. M. Israil, **Anita Devi**, Pravin K Gupta, B. Tezkan, P. Yogeshwar, 2019 3D Inversion of MT Data From Garhwal Himalaya. *28th Schmucker-Weidelt Colloquium for Electromagnetic Depth Research, Haltern am See.* Poster Presentation
6. **Anita Devi**, Mohammad Israil, Arun Singh,and Pravin K. Gupta, 2018. Geothermal inferences drawn from 3D inversion of Magnetotelluric Data recorded from Chamoli region, Uttarakhand, India, *24th ElectroMagnetic Induction Workshop, Denmark*. Oral Presentation
7. Mohammad Zubair, **Anita Devi**, Mohammad Israil,and Pravin K. Gupta, 2018. Electrical resistivity imaging over a buried elongated dipping conductor using Dipole-dipole and quasi null configurations, *24th ElectroMagnetic Induction Workshop, Denmark.* Poster Presentation
8. Mohammad Israil, Arun Singh, **Anita Devi,** and Pravin K. Gupta, 2018. MATLAB based code for 3D joint inversion of Magnetotelluric and Direct Current Resistivity imaging data, *24th ElectroMagnetic Induction Workshop, Denmark.* Poster Presentation

9. Mohammad Israil, **Anita Devi**, Arun Singh, Pravin K. Gupta, 2017. 3D Geoelectrical model of Sub-Himalayan Region - A Magnetotelluric study, *12th Biennial International Conference and Exhibition of Society of Petroleum geophysicist, Jaipur, India*. Poster Presentation
10. **Anita Devi**, Mohammad Israil, Rathinam Anbalagan, and Pravin K. Gupta, 2016. Delineation of overburden thickness using resistivity imaging at Dobra bridge site, Uttarakhand, India, 23rd *ElectroMagnetic Induction Workshop,Chiang Mai, Thailand. Poster Presentation*

PERSONAL INFORMATION

D. O. B.	: September 9, 1989
Father's Name	: Shri Jiwan Singh
Mother's Name	: Smt. Phulo Devi
Marital Status/Sex	: Single/female
Nationality	: Indian
Languages Known	: Hindi, English



Anita Devi#