BIO -DATA

DR. MOHAMMAD SUBZAR MALIK

Former, Senior Research Fellow at Water Resources Management
& Rural Technology Group, CSIR-Advanced Materials and Processes Research Institute (AMPRI), Hoshangabad Road, Bhopal (M.P.) India-462026
Cell: +91-7566474991, Mob. 07889957036
Email: subzarmalik99@gmail.com; malik_subzar@yahoo.com
Google scholar: https://scholar.google.com/citations?hl=en&user=WGW1Q3sAAAAJ
Research Gate: https://www.researchgate.net/profile/Mohammad-Subzar-Malik

Career Objective:

To work at a suitable position where I can use my knowledge and skills optimally and where I am pushed to challenge my limitations and seek new ways to add to my intellectual growth. I am pursuing a position where hard work and creativity are encouraged to mutually benefit myself and the organization I work for

Educational Qualification:

Degree	Year	Board/ University/Institute	Percentage
Ph. D. (Geology) with Specialization in Hydrogeology, Remote Sensing & GIS applications	2019	Water Resources Management & Rural Technology Group CSIR-AMPRI, Hoshangabad Road, M.P-462026	Awarded
PGDCA (Computer)	2018	Makhanlal Chaturvedi National University of Journalism and Communication, (M.P)	67.00%
B.Ed. (Education)	2012	University of Kashmir (Srinagar)	70.02%
M.Sc. (Applied Geology)	2010	Dept. of Earth Science, UTD B. U. Bhopal (M.P.), India	64.50%
B.Sc. Geology	2007	University of Kashmir (Srinagar)	53.55%

Working Experience: (Teaching/Research)

Organization Name	Duration	Designation	Job Description
Higher Education Department, Govt. of Jammu & Kashmir	20-03-2023 to 26-12-2023	Lecturer (Contract) Equivalent to Assistant Professor level 10	Worked as Lecturer in Department of Geology, Govt. Degree College, Boys, Pulwama, J&K. My primary duty was teaching of UG students
Higher Education Department, Govt. of Jammu & Kashmir	01-04-2022 to 26-12-2022	Lecturer (Contract) Equivalent to Assistant Professor level 10	Worked as Lecturer in Department of Geology, Govt. Degree College, Kulgam, J&K. My primary duty was teaching of UG students
Higher Education Department, Govt. of Jammu & Kashmir	28-07-2021 to 24-12-2021	Lecturer (Contract) Equivalent to Assistant Professor level 10	Worked as Lecturer in Department of Geology, Govt. Degree College, Boys, Anantnag, J&K. My primary duty was teaching of UG students.

CSIR-AMPRI, Bhopal	01-04-2019 to 31-03-2020	PA-III	Worked as Project Assistant-III under "CSIR-Integrated Skill Initiative" Project. My primary duties were to give training to trainees of my field of expertise, i.e. Water Resources Management, Hydrological Modeling, Remote Sensing & GIS applications.
CSIR-AMPRI, Bhopal	29-05-2015 to 15-12-2017	PA-III	Worked as Project Assistant-III under GAP-073 Project titled "Modeling of Soil Behavior Change Due to Groundwater Level Variation for Rural Water Resource Management. My primary duties were Data collection, Data analysis/ interpretation & field survey, handling of Instruments and Report writing.

Current position:

Working in Higher Education Department, Govt. of Jammu & Kashmir on Academic Arrangement as Lecturer (Geology) at Govt. Degree College, Kulgam, J&K.

Awards:

- ✓ Awarded Fellowship for Training of Young Scientist, M.P. Council of Science and Technology in "***34th M.P. Young Scientist Congress"*** held at *Rajiv Gandhi Proudyogiki Vishwavidyalaya, Gandhi Nagar, Bhopal, M. P.* India on Feb.28-March 01, 2019.

- ✓ Awarded Fellowship for Training of Young Scientist, M.P. Council of Science and Technology in "***33rd M.P. Young Scientist Congress"*** held at *Rani Durgavati Vishwavidyalaya Jabalpur M.P.* India on March 15-16, 2018.

- ✓ Awarded Fellowship for Training of Young Scientist, M.P. Council of Science and Technology in "***32nd M.P. Young Scientist Congress*** "held at *Vigyan Bhawan, Bhopal M.P. India* on March 10-11, 2017.

Publications:

Journal Publications/ Book Chapters:

1. **Mohammad Subzar Malik** & J. P. Shukla (2014). Estimation of soil moisture by Remote Sensing and field methods: A review. *International Journal of Remote Sensing and Geoscience (IJRSG)*, Vol. 3, Issue 4, pp. 21-27, **IF. 0.564**, ***Citation 22***

2. **Mohammad Subzar Malik** & J. P. Shukla (2015). Hydrogeological Study of Tawa Watershed Basin of Hoshangabad District, M.P. India, With Special Reference to Increase the Groundwater Potentiality of the Region. *International Journal of Scientific Engineering and Applied Science (IJSEAS), Vol.1, Issue-9, Dec. 2015, pp. 73-82,* www.ijseas.com, ***Citation 04***

3. **Mohammad Subzar Malik** & J.P. Shukla (2017). Thermal Mapping Using Remote Sensing and GIS Techniques, *International Journal of Earth Science and Engineering (IJEE),* Vol. 10(4) pp. 848- 853, CSIR-NISCAIR, INDIA, **IF. 0.042, *Citation 02***

4. **Mohammad Subzar Malik** & J. P. Shukla (2018). A GIS-Based Morphometric Analysis of Kandaihimmat Watershed, Hoshangabad District, M.P., India. *Indian Journal of Geo Marine Sciences Vol. 47 (10),* pp.1980-1985, **IF.** *0.553,* ***Citation 14***

5. **Mohammad Subzar Malik** & J. P. Shukla (2018). Retrieving of Land Surface Temperature Using Thermal Remote Sensing and GIS Techniques in Kandaihimmat Watershed Hoshangabad Madhya Pradesh India. *Journal of the Geological Society of India, Vol.92, September 2018,* pp.298-304, **IF. 1.466, *Citation 23***

6. Ahirwar, R. **Malik, M.S.** & Shukla, J.P. (2018). Development of Hybrid Unsupervised Classification Techniques for accuracy enhancement of Land Use/ Land cover Mapping Using Geo-spatial Technology Hoshangabad, District, Madhya Pradesh, India. *Geoinformatics Geostat An Overview*, Vol: 6(3), pp. 1-7, DOI: 10.4172/2327-4581.1000186, **JIF. *4.86, Citation 02***

7. **Mohammad Subzar Malik**, J.P. Shukla & S. Mishra (2019). Relationship of LST, NDBI and NDVI using LANDSAT-8 data in Kandaihimmat Watershed, Hoshangabad, India, *Indian journal of Geo-marine Science, (IJMS)* Vol.48(01) pp.25-31, **IF. 0.553, *Citation 149***

8. **Mohammad Subzar Malik** & J.P. Shukla (2019). Assessment of Groundwater Vulnerability Risk in Shallow Aquifers of Kandaihimmat Watershed, Hoshangabad, Madhya Pradesh, *Journal of the Geological Society of India*, Vol.93, Feb. 2019, pp.199-206, **IF. 1.466, *Citation 15***

9. **Mohammad Subzar Malik** & J.P. Shukla (2019). GIS modeling approach for assessment of groundwater vulnerability in parts of Tawa river catchment area, Hoshangabad, Madhya Pradesh, India, *Groundwater for Sustainable Development*, Vol.9 Oct.(2019), **I.F.5.9**, DOI: https://doi.org/10.1016/j.gsd.2019.100249. ***Citation 23***

10. Rakesh Ahirwar, **Mohammad Subzar Malik** & J. P. Shukla (2019). Prioritization of Sub-Watersheds for Soil and Water Conservation in Parts of Narmada River through Morphometric Analysis Using Remote Sensing and GIS, *Journal of the Geological Society of India*, Vol.94, November 2019, pp.515-524, DOI: 10.1007/s12594-019-1349-**8, IF. 1.466, *Citation 21***

11. Rayees Ahmad Shah, Aasif Mohmad Lone, Hema Achyuthan, Suhail Ahmad Lone, **Mohammad Subzar Malik** (2020). Environmental Risk Assessment of Lake Surface Sediments Using Trace Elements: A Case Study, the Wular Lake, *Journal of the Geological Society of India*, Vol.95, Feb. 2020, pp. 145-151, **IF. 1.459, *Citation 16***

12. Shobharam Ahirwar, **Mohammad Subzar Malik** & J.P. Shukla (2020). Application of Remote Sensing and GIS for Groundwater Recharge Potential Zone Mapping in Upper Betwa Watershed, *Journal of the Geological Society of India*, Vol.95, March 2020, pp. 308-314, **IF. 1.459, *Citation 30***

13. Rakesh Ahirwar, **Mohammad Subzar Malik** & J. P. Shukla (2020). Groundwater Vulnerability Assessment of Hoshangabad and Budni Industrial Area, Madhya Pradesh, India Using Geospatial Techniques, *Applied Water Science*, Vol.10. Issue 4, April 2020, pp.1-14. **IF. 5.5, *Citation 10***

14. Shobharam Ahirwar, **M. Subzar Malik,** Rakesh Ahirwar & J.P. Shukla (2020). Identification of suitable sites and structures for artificial groundwater recharge for sustainable groundwater resource development and management, *Groundwater for Sustainable Development 11(2020)100388, https://doi.org/10.1016/j.gsd.2020.100388,* **I.F.5.9**, ***Citation 28***

15. Rayees Ahmad Shah, Hema Achyuthan, Hari Krishnan, Aasif M. Lone, Sarun Saju, Asif Ali, **M. Subzar Malik**, & Chinmay Dash (2021). Heavy metal concentration and ecological risk assessment in surface sediments of Dal Lake, Kashmir Valley, Western Himalaya, *Arab J Geosciences 14, 187 (2021),* https://doi.org/10.1007/s12517-021-06504-w, **IF. 1.827,** ***Citation 26***

16. **Mohammad Subzar Malik**, J.P. Shukla & S. Mishra (2021), Effect of groundwater level on soil moisture, soil temperature and surface temperature, *Journal of the Indian Society of Remote Sensing*, Vol. 49, Issue 9, pp. 2143-2161.: https://doi.org/10.1007/s12524-021-01379-6, **IF. *2.5, Citation 23***

17. Rakesh Ahirwar, **Mohammad Subzar Malik** & J. P. Shukla (2021). Groundwater potential zone mapping of Hoshangabad and Budhni industrial area, Madhya Pradesh, India, *Groundwater for Sustainable Development*, 14 (2021), 100631**, IF-5.9** ***Citation 14***

18. **Mohammad Subzar Malik,** Rakesh Ahirwar & J.P. Shukla (2021). ***Book chapter*** entitled "Assessment of Land use/Land cover change detection in Manasbal Lake Catchment, Kashmir Valley, India" published in *Anthropogenic driven changes in lake catchments, Kashmir Valley, India*, published by *LAP LAMBERT Academic publishing*, ISBN: 978-620-0-30541-1, pp-10-30.

19. Shobharam Ahirwar, **M. Subzar Malik,** Rakesh Ahirwar & J.P. Shukla. Surface Runoff Estimation using integrated approach of SCS-CN method and GIS for a Micro-watershed **(Under Review)**

Conferences/Seminars/Symposiums/Workshop Publications:

1. **Mohammad Subzar Malik**, Shobaram Ahirwar, & J. P. Shukla. Promoting Sustainable Rural development through Natural Resource Management. *Proc. In National Workshop on "Technologies for Sustainable Rural Development Having Potential for Socio-Economic Upliftment" (TSRD-2014) Organized jointly by CSIR- AMPRI and MPCST Bhopal M.P on 4-5th July, 2014, Allied Publishers Pvt. Ltd. pp.202-208*

2. **Mohammad Subzar Malik**, Shobaram Ahirwar, & J. P. Shukla. An Integrated Approach of Remote Sensing and GIS techniques for Groundwater Resource Management and Development. *Proc. In 4th Bhartiya Vigyan Sammalen held on 5-7th February 2015 at "Goa" India.*

3. Shobaram Ahirwar, **M. Subzar Malik** & J. P. Shukla. A Study on Flood Zone Mapping of Hoshangabad District, Madhya Pradesh India, Using Geospatial Techniques. *Proc. In 4th Bhartiya Vigyan Sammalen held on 5-7th February 2015 at "Goa"India.*

4. **Mohammad Subzar Malik**, J. P. Shukla & S. Mishra. Thermal Mapping for Water Resource Management. *Proc. In India International Science Festival Young Scientists' Conclave (YSC), Dec 8-11, 2016 at CSIR- National Physical Laboratory New Delhi organized jointly by CSIR- DST & Ministry of Science and Technology, Abstract Code: GANGA_41 2016*

5. **Mohammad Subzar Malik**. Land Surface Temperature Mapping Using Thermal Remote Sensing and GIS Proc. *In 32 M.P. Young Scientist Congress held at Madhya*

Pradesh Council of Science & technology Bhopal (MPCST Bhopal) during March 10-11, 2017

6. **Mohammad Subzar Malik** & J. P. Shukla. Thermal Mapping Using Remote Sensing and GIS Techniques. *Proc. In International Conference on "Make in India" An opportunity for Sustainable Entrepreneurship Development held on 16-17 Feb.2017 Organized by Carrier College Bhopal.*

7. **Mohammad Subzar Malik** & J. P. Shukla. Land Surface Temperature Mapping for Predicting the Relationship between Land Surface Temperature and Urban Land Use. Proc. In International conference on *Advances in Chemical Sciences and Allied fields of Science, Health, Education & Environment (ACAEE) 8th-10th March 2018, Organized by Carrier College Bhopal & Royal Society of Chemistry & MPCOST Bhopal.*

8. **Mohammad Subzar Malik**. Influence of Groundwater level Dynamics on Physical Properties of Soil - A Case Study of Kandaihimmat Watershed Hoshangabad, M.P. Proc. *In 33rd M.P. Young Scientist Congress held at Rani Durgavati Vishwavidyalaya, Jabalpur (M.P.) during March 15-16, 2018*

9. **Mohammad Subzar Malik*,** J.P. Shukla[1] & S. Mishra[2]. Effect of Shallow Groundwater on Land Surface Temperature, Soil Moisture and Soil Temperature Using Thermal Remote Sensing. *Proc. In India International Science Festival, Young Scientists' Conference (YSC) 2018 held during October 05-06, 2018 at Indira Gandhi Pratisthan in Lucknow U.P.*

10. **Mohammad Subzar Malik*,** A GIS based Modeling for Assessment of Groundwater Vulnerability in Shallow Aquifers of Tawa River Catchment, Hoshangabad, M.P. Proc. *In 34th M.P. Young Scientist Congress held at Rajiv Gandhi Proudyogiki Vishwavidyalaya Gandhi Nagar, Bhopal, during Feb.28- March 01, 2019.*

11. **Mohammad Subzar Malik*,** J.P. Shukla[2] & S. Mishra[3]. Assessment of Groundwater Vulnerability to Contamination: A GIS Modeling Approach. *Proc. In Young Scientists' Conference (YSC) India International Science Festival (IISF-2019) held during 5-7 November 2019 at* Biswa Bangla Convention Centre Kolkata, West Bengal.

12. **Mohammad Subzar Malik*,** J.P. Shukla[2]. A Geospatial approach for assessment of groundwater contamination vulnerability in parts of Tawa river catchment area, Hoshangabad, Madhya Pradesh, India. *Proc. In Young Scientists Conference (YSC) India International Science Festival (IISF-2023) held during 21-24 January 2023 at* MANIT, Bhopal, Madhya Pradesh.

Membership

Life Member (Membership No. LM-220) of VIGYAN BHARATI, MADHYA PRADESH

Working Areas

- Geology/Geomorphology
- Hydrology/Hydrogeology
- Climate change & Urbanization
- Remote Sensing & GIS applications

Knowledge of Software's

- Arc GIS
- ERDAS IMAGINE
- Google Earth
- Q GIS
- SPSS
- SigmaPlot

Known Referees

1. **Dr. J.P. Shukla**
   Chief Scientist & Head of Water Resources Management & Rural Technology Group, CSIR-AMPRI, Bhopal, MP India-462026
   Email: jpshukla@yahoo.com
   Contact: 9425600630

2. **Dr. Firdous Ahmad Mir**
   Scientist, CSIR-IIIM, Jammu India
   Email: firdosmir@gmail.com
   Contact: 8285523249

3. **Dr. Fouad Alkhaier**
   Senior Hydrogeologist, Canterbury Regional Council New Zealand
   Email: fouad.alkhaier@ecan.govt.nz
   Email: khaier@hotmail.com

Personal Profile:

Name	**:**	Dr. Mohammad Subzar Malik
Father's Name	**:**	Shri Ali Mohammad Malik
Category	**:**	General
Sex	**:**	Male
Date of Birth	**:**	27 April 1987
Marital Status	**:**	Married
Languages Known	**:**	English, Urdu & Kashmiri
Permanent Address	**:**	R/O - Wanpora, Dist.: Kulgam, Teh./Block Qaimoh, P/O - Shamsipora Bijebhera J&K -192124

Declaration:

I hereby declare that the information given above is true to the best of my knowledge.

Date: 25/02/2025

Place: Wanpora, Kulgam (J&K)

(Mohammad. Subzar Malik)