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Dr. MARIYA HASNAT

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OBJECTIVE:

Seeking a challenging position in a reputed organization which provide opportunities for professional growth and advancement, and utilize the experience acquired is becoming a valuable team member in the field of Environmental Sciences, Geology (Remote sensing and GIS).

DETAIL OF EDUCATIONAL QUALIFICATIONS:

PHD. THESIS TOPIC:

Fuzzy Based GIS Modeling for Identification of Groundwater Potential Zones using Remote Sensing.

S.No	Exam passed	Year	Board/University	Subjects	Percentage	Division
1	HIGH SCHOOL	2002	U.P.BOARD	SCIENCE	64 %	I st
2	INTERMEDIATE	2004	U.P.BOARD	SCIENCE(BIOLOGY)	72%	I st
3	B.Sc.	2011	UNIVERSITY OF ALLAHABAD	APPLIED SCIENCE	59%	II nd
4	M.Sc.	2013	UNIVERSITY OF ALLAHABAD	ENVIRONMENTAL SCIENCE	70%	I st
5	Ph.D.	2019	UNIVERSITY OF ALLAHABAD	EARTH SCIENCES (ENVIRONMENTAL SCIENCES)	Awarded	-

FIELD OF SPECIALISATION :

- REMOTE SENSING and GIS
- EARTH SCIENCES
- ENVIRONMENTAL SCIENCES
- GEOLOGY

TECHNICAL PROFICIENCY:

- Windows XP/7/8/10, MS - Office, MS-EXCEL, Internet Applications.
- **Software:** ArcGIS, ERDAS imagine, GeoRose , QGIS etc.

PUBLICATIONS :

1. Fuzzy Criteria based Recognition of Groundwater Prospective Zones using **GIS and Remote Sensing**. *Disaster Advances*, Vol. 11 (8) August (2018).
2. A review on groundwater investigations using **Remote Sensing** in India. *Disaster Advances*, Vol. 11 (3) March (2018).
3. Fuzzy AHP Based GIS Modelling For Identification of Groundwater Potential Zones Using Remote Sensing , (communicated).
4. Water Resource Management Using **Geospatial Technology**: A Review with Reference to Groundwater. *SGVU J CLIM CHANGE WATER* ISSN: 2347-7741 Volume 2, Issue 1, 2017, PP. 30-33.

WORK EXPERIENCE:

- UGC D. Phil Research Fellow-University of Allahabad (09/04/2015 – 20/05/2019)
- **Dissertation:** On topic entitled –*Heavy metals present in cosmetics ,identified with the help of FTIR (Fourier Transform Infrared Spectroscopy) method.*
- Four years research experience in **Remote Sensing and GIS**.

HONOUR/AWARD/SCHOLARSHIP :

- **First rank holder in D.PHIL.(CRET -Ph.d)** Entrance exam (environmental sciences) university of allahabad (2014).
- **UGC-CRET** scholarship.
- **ISRO** scholarship of Rs.10,000 and training programme in collaboration with **GSI Hyderabad** from 20th February, 2017 to 22th March, 2017, named as *Application of Geo-informatics for Disaster management.*

CONFERENCES (PRESENTATIONS: ORAL/POSTER):

- Poster presentation in the **NSNMA- 2018, organized by the Material Research Society of India- Allahabad chapter, October 13, 2018** University of Allahabad, Allahabad.
- Presented paper (oral) in **International Conference on Natural Resources, Environment and Health(ICNREH), Sponsored by MoES, AMD, MPCST, EPCO, BER Chapter NASI March 28-29, 2017, Rewa , MP, India**
- **National conference** on Role of science and technology in socio-economic development from Feb. 28-29,2016 held in **Dr. B.R. Ambedakar govt. degree College, Mainpuri (UP), India.**
- **National Geo-research Scholar Meet-2016 (ngeosm-2016)** held during june 1-4, 2016 at **Wadia Institute of Himalayan Geology, Dehradun, India.**

CONFERENCE / SEMINAR ATTENDED :

- Participated in One day workshop on **Best Practice in Scientific Publishing** on 20th December, 2018 held at SN Ghosh auditorium, JK Institute of Applied Physics, University of Allahabad.
- Participated in **National seminar on Reaching the Unreached through Science and Technology, Allahabad Chapter Indian Science Congress Association** during 24-25 February, 2018, Allahabad
- Participated in the **Sensitization workshop on Administrative Responsibilities for the Implementation of Societal Research Fellowship (SoRF)- DST, New Delhi, organised by NASI-Allahabad** on March 21, 2014
- Participated in Awareness Workshop for RajatJayantiVigyanSancharak Fellowship, 2013-14 organised by NASI- Allahabad on Sep. 30, 2013 at Allahabad

- 5. Participated in the workshop on **Defining the Role of Women Scientists and Teachers in Promotion and Application of Science and Technology**, organised by NASI on October 5-6,2012, at Allahabad .
- Participated in **5th Science Conclave/Inspire Internship Program** at IIIT Allahabad, An MHRD-DST initiative from December 8-14,2012

TRAINING AND WORKSHOP:

- Attended workshop on topic entitled “*Monitoring Forest Cover and Deforestation using Advance Remote Sensing Techniques*” organized by [Japan Aerospace Exploration Agency \(JAXA\)](#) a University of Allahabad
- Attended One week **DST workshop on Application of Remote Sensing, GIS and GPS in Natural Resource Management** from 9-15 Oct., 2017, organised by AMU Aligarh
- Short term training course on **SAR and Hyperspectral Data Analysis for Forest Application under TREEES and initiative of Space Application Centre (SAC-ISRO)**, Ahmedabad during Oct.30- Nov. 03, 2017.
- **DST funded** winter school on **Application of Remote Sensing and GIS in Natural Resource Management** organized by AMU, UGC- Human Resource Development Centre from 5th January to 25th January, 2017.
- Completed the 10th Course on **Application of Geoinformatics for Disaster Management under NNRMS** conducted by the **Geological Survey of India Training Institute at Hyderabad** from 20th February,2017 to March, 2017
- Training course on Sustainable Development and Management of Ground Water Resources by Government of India, Ministry of Water Resources, from Sep. 19,2017 to Sep. 21, 2017, **River Development and Ganga Rejuvenation , Central Ground Water Board (CGWB), Northern Region, Lucknow** Under the aegis of **National Ground Water Training and Research Institute, Raipur.**
- Certificate course on **RS & GIS applications in Water Resources**, conducted by **IIRS(ISRO)**, Dehradun, from April 16, 2018 to April 27, 2018.
- Participated in one day online workshop titled **Hydrometrological Disaster Management**, One Day online Workshop, conducted by **IIRS(ISRO)**, Dehradun, on 15-05-2018.

- Certificate course on “**Hyperspectral Remote Sensing and its Applications**” conducted by **IIRS(ISRO)**, Dehradun from February 19, 2018 to March 13, 2018.
- Certificate course on “**Close Range Photogrammetry and terrestrial Laser Scanning**” conducted by **IIRS(ISRO)**, Dehradun from January 08, 2018 to January 12, 2018

OTHER QUALIFICATION:

- Qualified CCC certificate (NIELIT)
- Three month certificate course on „**Understanding Gender**“ from 31 of July, 2018, conducted by the Centre for Women studies, University of Allahabad.
- Volunteer of National Service Scheme (NSS)

REFERENCES:

Dr. Priyamvada Singh

(Assistant Professor)

Department of Earth and Planetary Sciences
University of Allahabad, 211002
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2) Dr. Bechan Sharma

(Professor)

Department of Biochemistry
University of Allahabad, 211002
Email- sharmabi@yahoo.com
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3) Dr.S.S. Narvi

(Professor)

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MNNIT Allahabad, 211004
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4) Professor Ram Kripal

(Professor)

Dean, faculty of Science

Nehru Gram Bharti University

Allahabad

Email- ram_kripal2001@rediffmail.com

PERSONAL INFORMATION:

Father's Name: Mohd Ahmad Siddiqui

Date of Birth: 30/12/1987

Nationality - INDIAN

Marital Status - UNMARRIED

Declaration: I hereby declare that the information furnished above is true to the best of my knowledge and belief and can be supported with reliable documents when needed.

Date : 10/12/2019

Place: Allahabad

(MARIYA HASNAT)