

CURRICULUM VITAE

Dr. MARIYA HASNAT

(Assistant Professor)

Department of Environmental Science

Integral University

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Teaching/Research Experience

- **Present Designation:** Assistant Professor, Integral University, Lucknow, India
- Worked as GIS digitization Supervisor, Central Waqf Council, Ministry of Minority Affairs, Govt. of India, New Delhi.
- Worked as Field Officer (GIS) under Dr. Shyama Prasad Mukherjee RURBAN Scheme, Ministry of Rural Department, Govt. of India (University of Allahabad)
- Working as Visiting faculty (offline/online teaching) at Hamidia Girls Degree College (Central University of Allahabad)
- Worked as departmental event coordinator, Department of Environmental Science, Integral University, Lucknow.

Educational Qualifications:

Exams Passed	Year	University/Institute	Subjects	Division/Rank
Ph.D.	2019	University of Allahabad	Environmental Sciences	Awarded (course work-70 %) (Distinction)
M. Sc.	2013	University of Allahabad	Environmental Sciences	First (70.20%) (Distinction)
B. Sc.	2011	University of Allahabad	Applied Science (Biochem.Biophy., Biotech,Environmental sci.,)	Passed with (59.10%)
PG Diploma in Remote Sensing and GIS	2020	Jamia Millia Islamia New Delhi	Remote Sensing and GIS	First (79.8%) (Distinction)
M.A.	2021	UPRTOU	Geography	Passed
Intermediate	2004	UP Board	Physics, Chemistry, Biology, English, Hindi	First (72%) (Distinction)
High School	2002	UP Board	Science	First (64%)

Thesis / Dissertation Work

- PhD thesis title: ***“Fuzzy Based GIS Modeling for Identification of Groundwater Potential Zones Using Remote Sensing”***.
- M.Sc. Dissertation title: ***Heavy metals present in cosmetics, identified with the help of FTIR (Fourier Transform Infrared Spectroscopy) and LIBS method.***

PUBLICATIONS IN REFERRED JOURNALS

1. Fuzzy analytical hierarchy process based GIS modelling for groundwater prospective zones in Prayagraj, India, *Elsevier, Groundwater for Sustainable Development*, 12, 2021.(IF: 2.8) 2352-801X
2. Fuzzy Criteria based Recognition of Groundwater Prospective Zones using GIS and Remote Sensing. *Disaster Advances,(Scopus Indexed)* Vol. 11 (8) August (2018).
3. A review on groundwater investigations using Remote Sensing in India. *Disaster Advances,(Scopus Indexed)* Vol. 11 (3) March (2018).
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

Two research papers are under communication.

PRESENTATIONS IN CONFERENCE/S EMINAR/S YMPOSIUM

- Poster presentation in the two days **International Conference** “Recent Challenges in the Field of Civil Engineering for a Sustainable Future”, 17th-18th March, **2023** Aliah University, WB
- Poster presentation in the **NSNMA- 2018**, organized by the Material Research Society of India- Allahabad chapter, October 13, **2018** University of Allahabad, Allahabad. *GIS Modeling for Groundwater potential zones.*
- 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
- Presented paper (**oral**) **National** conference on Role of science and technology in socio-economic development from Feb. 28-29, **2016** held in Dr. B.R. Ambedkar govt. degree College, Mainpuri (UP), India. *GIS Based studies of Groundwater Potential zones, A Review*
- Poster presentation **National Geo-research Scholar Meet-2016 (ngeosm-2016)** held during June 1-4, 2016 at Wadia Institute of Himalayan Geology, Dehradun, India

FIELD OF SPECIALIZATION

- REMOTE SENSING and GIS
- EARTH SCIENCES
- ENVIRONMENTAL SCIENCES (Environmental Chemistry, Environmental geography)
- ENVIRONMENTAL GEOLOGY (Hydrogeology)
- First rank holder in D.PHIL. (CRET-Ph.D) Entrance exam (Environmental sciences) university scholarship of Allahabad (2014).
- **ISRO** scholarship of Rs.10,000 and *Application of Geo-informatics for Disaster management* in collaboration with *GSI Hyderabad* from 20th February, 2017 to 22th March, 2017, named as *Application of Geo-*

FIELD EXCURSIONS:

- Geological field excursion under GSI training institute, Hyderabad
- Geological and environmental field survey (Shivalik Himalaya) under Wadia Institute of Himalayan research, Dehradun

CONFERENCE / SEMINAR ATTENDED

- Participated in two weeks International workshop on “Teaching Competency through Micro-Teaching Skills” with Grade A+ from 14th Feb. -2nd March, **2023, Integral University**, Lucknow.
- PARTICIPATED in the ISRO-IIRS online course on “**Advances in Remote Sensing Techniques for Geological Applications**” from **13-03-2023 to 24-03-2023**). **Integral University**, Lucknow.
- 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 Rajat Jayanti Vigyan Sancharak Fellowship, 2013- 14 organised by **NASI**- Allahabad on Sep. 30, 2013 at Allahabad.
- 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, 2014

TRAINING AND WORKSHOPS

- Attended an online short course on Environmental Challenges in Industrial Sector and The Role of Universities, **Faculty of Civil Engineering and Built Environment, UTHM Malaysia 25 June, 2020**
- Participated in the webinar organized by the Department of Geography, School of Basic and Applied Sciences, Adamas University on the theme of “**Application of GIS-RS Based Techniques and Research Horizon in Geographical Studies** ” on **20th June 2020**
- DST funded winter school in Geospatial Technologies - Level 2 (Urban Planning) from 2nd - 23rd december, 2019, supported by **NRDMS-DST** New Delhi organized by Aligarh Muslim University (AMU) Aligarh.
- Attended workshop on topic entitled “**Monitoring Forest Cover and Deforestation using Advance Remote Sensing Techniques**” organized by **Japan Aerospace Explorati on Agency (JAXA)** 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, organized by Aligarh Muslim University (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 Aligarh Muslim University (AMU), Aligarh 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.

Dissertation/Project work Submitted as a Supervisor:

- ✓ M.Sc. (EVS).final year student Saniya Rehman submitted her dissertation under my supervision. She worked on water quality parameters.(June, 2023)
- ✓ B.Sc. (EVS) final year student (International), Kapalu Sam, submitted his project work under my supervision. He worked on Air Pollution and Low Emission Zones (LEZ). (June, 2023)

OTHER QUALIFICATION/Curriculum

- Teaching Experience: I have 4+ years of experience as an Assistant Professor in reputed university (Allahabad University and Integral University Lucknow).
- During my teaching job,i did various educational/field visit with the graduate and masters students.
- I have good skill of report writing.
- I worked as departmental event coordinator and conduct the Wild life day, Environmental day etc.
- I was engaged in fast track teaching for B.Tech-CSE students (**International students**).
- I was engaged in Central govt. offices therefore i have good knowledge of office works also.
- Three month certificate course on Understanding Gender from 31 july, 2018, conducted by the Centre for Women studies, University of Allahabad.
- Volunteer of National Service Scheme (NSS)

COMPUTATIONAL SKILLS:

- Complete knowledge of Operating Systems, Windows XP, Vista, and Windows 10.
- Knowledge of Microsoft office applications for the versions 2003, 2007 and 2010.
- Possess working knowledge of different software packages like **ArcGIS 10.3, ERDAS Imagine, ENVI, GeoROSE, GPS, Google Earth Engine, SPSS**.
- Hands on **Spectroscopic techniques FTIR, LIBS, AAS**, Microscopic techniques as **HPLC, GLS** etc.
- Image processing, Digitization, Electronic data collection
- Field visit, survey and sample collection, Compilation, Data processing, Technical reports preparation using latest computer software like MS Office,
- Qualified **CCC certificate (NIELIT)**

REFERENCES

- (1) Dr. Priyamvada Singh
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- (2) Dr. Bechan Sharma
(Professor)
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- (3) Prof. S.S. Narvi
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- (4) Prof. Haroon Sajjad
(Professor)
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New Delhi

OTHER DETAILS:

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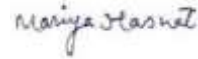
Marital Status: Single

Passport No: R0482699

Declaration:

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

Place: Lucknow



(MARIYA HASNAT)

