

Dr. Arif Ahamad

Designation: Assistant Professor,

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Major research interest: Water and Soil Pollution

Water & soil quality and health risk assessment

Hydrogeochemistry

Soil geochemistry

Environmental monitoring

Water resource management

Solid waste management

Teaching and research experience: Three years

Research publication: 21

Citations: 649

h-index: 12

i10-index: 13

Books: 3

International Visit: USA, Hongkong

Educational Qualification:

S.N.	Degree	Year	Subject	University/Institution	% of Marks/CGPA
1	Ph.D.	2019	Environmental Science	School of Environmental Sciences, Jawaharlal Nehru University, New Delhi	awarded
2	M.Phil.	2014	Environmental Science	School of Environmental Sciences, Jawaharlal Nehru University, New Delhi	7.92/9
3	M.Sc.	2011	Environmental Sciences	Banaras Hindu University (BHU), Varanasi, Uttar Pradesh	8.48/10
4	B.Sc.	2009	Botany, Zoology, Chemistry	V.B.S. Purvanchal University, Jaunpur, Uttar Pradesh	64.50

Ph.D. thesis title, Institute/ University, Year of Award:

Title: “Potentially Toxic Elements (PTEs) in the Groundwater, Soil and Road dust from the Industrial area in Sonbhadra district, Uttar Pradesh, India”.

Organization: School of Environmental Sciences, Jawaharlal Nehru University (JNU), New Delhi, India

M.Phil. dissertation title, Institute/ University, Year of Award:

Title: “Impact of Municipal Solid Waste Disposal Site on Groundwater Resources in and around Bhalswa Region, New Delhi”

Organization: School of Environmental Sciences, Jawaharlal Nehru University (JNU), New Delhi, India

Award/ Prize/ Certificate, Fellowship:

S.N.	Name of Award	Awarding Agency	Year
1	NET-JRF in Environmental Science	UGC	December 2012
2	MANF-JRF	UGC	February 2013
3	ASRB-NET	ICAR	December 2018
4	Student travel grant awardee	AGU, USA	September 2018
5	International travel support	SERB-DST	November 2018

Teaching Experience:

S.N.	Organization	Department	Course	Duration
1	Daulat Ram College, University of Delhi, New Delhi	Department of Environmental Sciences	Undergraduate (Environmental Science)	23/08/2019 to 03/08/2022
2	Jamia Millia Islamia (A Central University)	Department of Environmental Sciences	Postgraduate (Environmental Science)	04/08/2022 to till date

Administrative experience:

S.N.	Society/ committee	Organisation	Year
1	Dhara Eco Club Society	Daulat Ram College, University of Delhi	10/08/2021 to 03/08/22
2	Hostel committee	Daulat Ram College, University of Delhi	10/08/2021 to 03/08/22

Publications:

S.N.	Research paper details	Journal/ Publisher	Impact factor	Year
1	Kaushik, K., Nair, S., & Ahamad, A. (2022). Studying light pollution as an emerging environmental concern in India. <i>Journal of Urban Management</i> , 11, 392–405.	Journal of Urban Management/ Elsevier	0	2022
2	Ahamad, A. , Raju, N. J., Madhav, S., Gossel, W., Ram, P., & Wycisk, P. (2021). Potentially toxic elements in soil and road dust around Sonbhadra industrial region, Uttar Pradesh, India: Source apportionment and health risk assessment. <i>Environmental Research</i> , 202, 111685.	Environmental Research / Elsevier	8.43	2021
3	Ahamad, A. , Raju, N. J., Madhav, S., & Khan, A. H.	Environ	4.89	2020

	(2020). Trace elements contamination in groundwater and associated human health risk in the industrial region of southern Sonbhadra, Uttar Pradesh, India. <i>Environmental geochemistry and health</i> , 42(10), 3373-3391.	mental geochemistry and health/ Springer		
4	Ahamad, A. , Raju, N. J., Madhav, S., Gossel, W., & Wycisk, P. (2019). Impact of non-engineered Bhalswa landfill on groundwater from Quaternary alluvium in Yamuna flood plain and potential human health risk, New Delhi, India. <i>Quaternary International</i> , 507, 352-369.	Quaternary International / Elsevier	2.45	2019
5	Ahamad, A. , Madhav, S., Singh, P., Pandey, J., & Khan, A. H. (2018). Assessment of groundwater quality with special emphasis on nitrate contamination in parts of Varanasi City, Uttar Pradesh, India. <i>Applied water science</i> , 8(4), 1-13.	Applied water Science/ Springer	5.41	2018
6	Madhav, S., Raju, N. J., Ahamad, A. , Singh, A. K., Ram, P., & Gossel, W. (2021). Hydrogeochemical assessment of groundwater quality and associated potential human health risk in Bhadohi environs, India. <i>Environmental Earth Sciences</i> , 80(17), 1-14.	Environmental Earth Sciences/ Springer	3.11	2021
7	Madhav, S., Raju, N. J., & Ahamad, A. (2021). A study of hydrogeochemical processes using integrated geochemical and multivariate statistical methods and health risk assessment of groundwater in Trans-Varuna region, Uttar Pradesh. <i>Environment, Development and Sustainability</i> , 23(5), 7480-7508.	Environment, Development and Sustainability / Springer	4.08	2020
8	Nazneen, S., Raju, N. J., Madhav, S., & Ahamad, A. (2019). Spatial and temporal dynamics of dissolved nutrients and factors affecting water quality of Chilika lagoon. <i>Arabian Journal of Geosciences</i> , 12(7), 1-23.	Arabian Journal of Geosciences/ Springer	1.82	2019
9	Madhav, S., Kumar, A., Kushawaha, J., Ahamad, A. , Singh, P., & Dwivedi, S. B. (2020). Geochemical assessment of groundwater quality in Keonjhar City, Odisha, India. <i>Sustainable Water Resources Management</i> , 6, 1-11.	Sustainable Water Resource Management/ Springer	0	2020
10	Madhav, S., Ahamad, A. , Kumar, A., Kushawaha, J., Singh, P., & Mishra, P. K. (2018). Geochemical	Geology, Ecology,	0	2018

	assessment of groundwater quality for its suitability for drinking and irrigation purpose in rural areas of Sant Ravidas Nagar (Bhadohi), Uttar Pradesh. <i>Geology, Ecology, and Landscapes</i> , 2(2), 127-136.	and Landscapes/ Taylor & Francis		
11	Madhav, S., Ahamad, A. , Singh, P., & Mishra, P. K. (2018). A review of textile industry: Wet processing, environmental impacts, and effluent treatment methods. <i>Environmental Quality Management</i> , 27(3), 31-41.	Environmental Quality Management/ Wiley	1.09	2018
12	Patel, P., Raju, N. J., Kumar, S., Nazneen, S., Ahamad, A. , & Madhav, S. (2016). Hydrogeo Chemistry for The Assessment of Quality of Groundwater in Parts of Chopan Block, Uttar Pradesh, India. <i>Journal of Applied Geochemistry</i> , 18(4), 464-472.	Journal of Applied geochemistry/ ISAG	0	2016

Books/ Book chapters/General articles:

S.N.	Title	Author's Name	Publisher	Year of Publication
Books				
1	Contamination of Water: Health Risk Assessment and Treatment Strategies	Arif Ahamad , Sharf Ilahi Siddiqui and Pardeep Singh	Academic Press (Elsevier)	2021
2	Plastic and Microplastic in the Environment: Management and Health Risks	Arif Ahamad , Pardeep Singh and Dhanesh Tiwary	Wiley-Blackwell	2022
3	Waste Management and Resource Recycling in the Developing World	Pardeep Singh, Pramit Verma, Rishikesh Singh, Arif Ahamad , Andre Batalhao	(Elsevier)	2022
Book chapters				
1	Pharmaceuticals and personal care products: occurrence, detection, risk, and removal technologies in aquatic environment	Ghosh, B., Sengar, A., Ahamad, A. , & Waris, R. F.	Academic Press (Elsevier)	2021

2	Types of Water Pollutants: Conventional and Emerging.	Ahamad A. , Madhav S., Singh A. K., Kumar A. and Singh P.	Springer	2020
3	Water Pollutants: Sources and Impact on the Environment and Human Health	Madhav S., Ahamad A. , Singh A. K., Kushawaha J., Chauhan J. S., Sharma S., and Singh P.	Springer	2020
4	Bioremediation: A Sustainable Approach for Management of Environmental Contaminants	Singh P., Singh V. K., Singh R., Borthakur A., Madhav S., Ahamad A. , Pal D. B., Tiwari D., & Mishra P. K.	Elsevier	2019
5	Agriculture in the Era of Climate Change: Consequences and Effects	Bhadouria, R., Singh, R., Singh, V. K., Borthakur, A., Ahamad, A. , Kumar, G., & Singh, P.	Woodhead Publishing	2019
Editorial (General article)				
1	Prakriti ki sehat me sudhar	Dr. Arif Ahamad	Dainik jagaran	2020
2	Vibrant Varanasi has a concrete problem	A. Ahamad	DNA English newspaper	2017
3	Integrated waste management is crucial to Delhi's survival	A. Ahamad	DNA English newspaper	2017
4	Deal with water crisis before it's too late	A. Ahamad	The Pioneer English newspaper	2017

Membership of scientific communities

S.N.	Title	Professional Body
1	Lifetime member	Indian Society of Applied Geochemists (ISAG)
2	Member (July 2018 to July 2019)	American geophysical Union (AGU), USA

Reviewer of research journals

S.N.	Title
1	Journal of environmental management (Elsevier)
2	Sustainable water resource management (Springer)
3	Natural Resources Research (Springer)
4	Environmental research (Elsevier)
5	Geology, Ecology, and Landscapes (Taylor and Francis)

Seminars/Conferences/Workshops/Training:

- Presented paper entitled “Hydrogeochemical assessment of groundwater in industrial region of Sonbhadra, Uttar Pradesh, India” in **Indo-German Workshop on Water Availability and Quality Under Varying Environmental and Urban Conditions took place 22-23 October 2021 at Heidelberg University, Germany.**
- Presented paper entitled “Heavy metal contamination in groundwater and associated human health risk in the industrial region of southern Sonbhadra, Uttar Pradesh, India” in **AGU Fall Meeting 2018 took place 10-14 December 2018 at the Walter E. Washington Convention Center in Washington, DC, USA.**
- Presented paper entitled “Heavy Metal Contamination of Groundwater Resources in and around Bhalswa Municipal Solid Waste Disposal Site, New Delhi, India” in **International Conference on Solid Waste 2015: Knowledge Transfer for Sustainable Waste Management, Hong Kong SAR** from 19-23 May.
- Presented poster entitled “Hydro-geochemistry for the assessment of ground water quality in the Varanasi city, Uttar Pradesh, India” in national seminar on “Environmental Sustainability in Wastewater Remediation: Current Status and Future Prospects (ESWR-2017)” in University of Delhi, India in January 2017.
- Attended an Off-campus outreach certificate programme entitled “Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System” sponsored by Indian Institute of Remote Sensing in Jawaharlal Nehru University, New Delhi, India from 22 August-18 November, 2016.

- Participated in “The Indo-German Partnering Post Kolleg Workshop On 3D GIS and Hydrological Flow Modelling” conducted by School of Environmental Science, Jawaharlal Nehru University, New Delhi, from 10-12 February, 2013.
- Attended five days training programme on “Hands on Advanced Instruments of Water Quality Testing” held at National Institute of Hydrology (NIH), Roorkee from 2-6 December 2013.

Invited speaker lecture

- Delivered a talk on the topic entitled “Urban Water Management in Delhi NCR: Yamuna River Pollution and Sustainable Solutions for the Future” on 15th November 2020 organized by Ram Lal Anand College, University of Delhi.
- Delivered a talk on the occasion of World Water Day in one day national seminar on 22 March 2020 organized by PGDAV College, University of Delhi.

Extra-curricular activities

- Organized two international conferences during PhD in School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.
- Written articles for editorial column in popular English and Hindi newspapers.
- Represented school in state level debate competition.

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