

CURRICULUM VITAE

Dr. Mudasir Nazir Rather.

(PhD Environmental Science)

D.O.B:- 03/08/1986.

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CARREER OBJECTIVE:

A position as an Assistant professor in a university that will utilize strong teaching abilities and research to create a fostering, motivational and stimulating environment to help students achieve their potential to the highest limit.

Address:

Permanent address : Hakripora, Newa.
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ACADEMIC PROFILE:

- **Ph.D. Environmental Sciences**
A Study on the Impacts of Cement Industry on Agriculture Crops, with Special reference to Saffron (*Crocus sativa*) cultivation and its Medicinal Potential.
- **M.Sc. Environmental Sciences**
Physico-Chemical Analysis and Nutrient Dynamics of Telbal Stream of Kashmir Valley.

PRESENT STATUS:

Contractual Lecturer in Higher Education Department at Model Govt. Degree College Charar-i-Sharief Budgam (J&K) India- 190001.

PUBLICATIONS:

Research papers:-

1. **Mudasir Nazir Rather**, MI Zargar and Dr Swapnil Rai 2012. A study on the impacts of cement Industry on Agriculture crops, with special Reference to Saffron Cultivation & Medicinal potential. An International Journal of Ideas S.no3, Vol.2
2. **Mudasir Nazir Rather,,** MI Zargar 2013. A study of some selected sites of cement industry on agriculture crops of cement polluted areas of Khrew, Kashmir AN International Journal of Ideas (Knowledge News) Vol 03 july 2013.
3. **Mudasir Nazir Rather,,** MI Zargar. Impacts upon Chlorophyll variations in saffron and some other plant species of cement industry area at khrew, Kashmir. An International Researchers Journal Vol I, November 2013, ISSN 2321-6301
4. **Mudasir Rather**, MI Zargar .Assessment of physico-chemical characteristics of some selected sites of cement industry area of khrew , Kashmir, A National journal of Research November 2013.
5. **Mudasir Rather**, MI Zargar, Mohammad Yunus and R.N. Shukla. “Remediation of Hydrocarbon Contaminated Soil through Microbial Degradation- FTIR based prediction” in *Advances in Applied Science Research*. 2011, **2 (2)**: 321-326.
6. **Mudasir Rather**, M Idrees Dar, R.N. Shukla and Mohammad Yunus. 2011. “Seasonal Variations of Physico-chemical Characteristics in several Ponds of Srinagar City affected by Urban Drainage” in *Advances in Environmental Biology*. (Accepted).
7. **Mudasir Rather**, 2013. Human Rights Enforcement and Judicial Activism-A Comparative study in Patrachar Shiksha Samachar 16-31 December 2012.
8. **Mudasir Nazir Rather**, MI Zargar and Dr Swapnil Rai April 2013. Impact of cement industry on Fresh and Dry Weight of Saffron flowers S.no 2. Vol 2, p.no 66 to 70.
9. **Mudasir Nazir Rather** and D. M. Kumawat “Response of Saffron Plant (*Crocus sativus* L.) against Particulate Pollutants around Industrial belt Khrew, Kashmir.” *Environ. We Int. J. Sci. Tech.* 11 (2016):01-07..
10. **Mudasir Rather**, MI Zargar, Mohammad Yunus and R.N. Shukla. “Remediation of Hydrocarbon Contaminated Soil through Microbial Degradation- FTIR based prediction” in *Advances in Applied Science Research*. 2011, **2 (2)**: 321-326.
11. Kamini Narain, Taiyyaba Yazdani, **Mudasir Rather** and Mohammad Yunus. “Effect of Distillery Effluent on Physico-Chemical and Structural Properties of Soil” in *Environmental Earth Sciences*. (Published online, DOI 10.1007/s12665-011-1344-x).
12. **Mudasir Rather**, M Idrees Dar Ateeq Ahmad, R.N. Shukla and Mohammad Yunus. 2011. “Seasonal Variations of Physico-chemical Characteristics in several Ponds of Srinagar City affected by Urban Drainage” in *Advances in Environmental Biology*. (Accepted).

13. **Mudasir Rather** and Mohammad Yunus. "Impact of distillery effluent on seedling growth and pigment concentration of *Cicer arietinum* L" in *Journal of Environmental Research and Development*. (Accepted).
14. **Mudasir Rather** R. N. Shukla and Mohammad Yunus. 2011. "Apportionment of pollution loads arising from catchments in pond water bodies", in *Current Science*. (Communicated).
15. **Mudasir Rather** and A K Biswas "Potassium Supplying Power of a Black Soil amended With Spent wash and Post –Methanation Effluent." *Environ. We Int. J. Sci. Tech.* 12 (2017):15-20.
16. **Mudasir Rather** and Sami-ullah "Level of Urbanization and Development in Jammu and Kashmir." *International Journal of Higher Education and Research* 8(1):184-196, 2018.

Papers Communicated

1. **Mudasir Rather** and Wasim Bari "Diversity, Distribution, Utilization Pattern and Indigenous Uses of the Economically Important Plants of Pārbati Watershed Himachal Pradesh." *International Journal of Development Research*. (In Press).
2. **Mudasir Rather** and M Uthmaan Rather "The impact of Cement dust pollution on Plant wealth: A Review." *International Journal of Environment and Development*. (Communicated).

Papers Presented

1. **"World Energy Scenario"** at 3rd International Conference on Climate Change and Sustainable Management of Natural Resources Organized by School of Life Sciences, HNB Gharwal University - UK, February 14-2- 2015.
2. **"Impact of Waste on the Water Quality of Kshipra River Ujjain"** at National Seminar on Waste Management in Indian Scenario Organized by Ujjain Engineering College, Ujjain (M.P.) November 22, 2014.
3. **"Value Education and National Development"**. at National Seminar on Education Commission in independence India(Recommendations, Implementations & Relevance) Organized by Shiksha Sanskriti Utthan Nyas, New Delhi & Vikram University, Ujjain on 13th -14th December, 2014.
4. **"Impact of Cement Industry Pollution on Physio-morphological attributes of Apricot tree around Industrial belt Khrew, Kashmir"** at National Research Seminar on Population Growth, Socio-Economic Development and Environmental Degradation Organized by Islamic University of Science and Technology Awantipora, Pulwama, Jammu & Kashmir.
5. **"Response of Saffron Plant (*Crocus sativus* L.) against Particulate Pollutants around industrial belt Khrew, Kashmir"** at National Seminar on Strategies for Sustainable Use of Land, Water, Air, Agriculture and Energy Resources. Organized by HNB Gharwal University Srinagar.

6. **“Human-Wildlife Mutual Coexistence”** at National Young Volunteers Conclave 2017. Organized by Gandhi Smriti and Darshan Samiti, New Delhi at Kargil-Ladakh- J&K from 10th - 12th July, 2017.

Conferences Attended

1. National Forum on “Air Quality: Transport, Health & Sustainability” Organized by II Bombay, Powai, Mumbai, January 21st - 23rd, 2015.
2. National Seminar on “Current Ecological and Environmental Issues” Organized by Govt Madhav Science PG College Ujjain, January, 29th, 2015.

Workshops Organized/Participated/attended

1. Regional Seminar on, “Science and Technology organized by the Corporation in Collaboration with Council of Science & Technology, at UCST Dehradun on November 6th to 7th 2007.
2. Symposium on Climate Change: Issues and Imperatives organized by Department of Environmental Sciences, HNB Gharwal Central University held on 16th Feb. 2008.
3. Attended a three day 6th J and K Congress (JKSC-2010), at University of Kashmir, Srinagar and presented a paper.
4. 2nd India Disaster Management Congress organized by National Institute of Disaster Management, New Delhi held on 4-6 November 2010.
5. International Workshop on **“Cyber Communication: Security and Laws”** 8th May 2017, Organized by Department of Electronics and Communication Engineering at Islamic University of Science and Technology Awantipora, Pulwama, Jammu & Kashmir.
6. Workshop on **“Waste Management and Cleanliness Drive”** 29th November 2017, Conducted by Mantaqi Centre for Science and Society and Environmental Science Section of Islamic University of Science and Technology Awantipora, Pulwama, Jammu & Kashmir-19212.

TECHNIQUES KNOWN:

- Colorimetric techniques
- Water analysis
- Spectrophotometric techniques:
Single beam (Cecil CE-2031 Germany)

Double beam (Lambda 20 UV/ visible spectrometer-Perkin Elmer)

- Flame Photometer & Atomic Absorption Spectrophotometer.
- SDS-PAGE Electrophoresis
- GC-MS Chromatography
- Determination of Phosphate in Detergents.
- Micro-Filter assembly.
- Exploration, collection and preservation of bacterial consortium.
- Isolation, Screening and Culture techniques of sediment bacterial strains.
- Physic-chemical analysis of effluent.

OTHER ACHIEVEMENTS:

- Design and laboratory scale use of Chemostat for enrichment of bacterial consortium
- Design and laboratory scale use of vertical Bioreactor for application of bacterial consortium for Pentachlorophenol removal in tannery effluent.
- Editorial member of *International Journal of Advanced Research and Technology*.
- **Report reviewer, Data Analyst and Resource Speaker** for NGO “Centre for Environment Protection Public Health and Educational Development Society (CEPHEDS)”, U.P.

TEACHING EXPERIENCE:

S. No.	Positions held	Name of the Institute	From	To
1	Lecturer	Govt. Degree College Doda	14/08/2014	16/06/2015
2	Lecturer	Amar Singh College Srinagar Cluster University Srinagar	13/06/2015	29/02/2016
3	Lecturer	Amar Singh College Srinagar Cluster University Srinagar	09/04/2016	31/03/2017
4	Lecturer	Amar Singh College Srinagar Cluster University Srinagar	01/04/2017	31/03/2018
5	Lecturer	Govt. College for Women M.A. Road Srinagar Cluster University Srinagar	11/04/2018	-

6	Lecturer	Govt. College for Women M.A. Road Srinagar Cluster University Srinagar.	-	31/07/2019.
7.	Lecturer	Govt. College for Women Anantnag	13/04/2022	26/12/2022
8.	Lecturer	Govt. College for Women M.A. Road Srinagar Cluster University Srinagar.	16/10/2023	26/12/2023
9.	Lecturer	Model Govt. Degree College Charar-i-Sharief	27/10/2024	31/07/2025
10.	Lecturer	Sri Pratap College M.A. Road Srinagar Cluster University Srinagar.	04/09/2025	Till Date

Activities:

Four Years research experience on Water Quality of Urban Areas and Phytoremediation and six months on solid waste management.

- Member of *Environmental Biology Society*, School of Environmental Science, Singhania, University, Jhunjhunu Rajasthan India.
- Member of ISO 9001:2008 certified State Level Water Testing Laboratory, Tamil Nadu Water Supply and Drainage Board, Chennai-5.
- Imparting training on Drinking water analysis, water quality & its health effects for five departments, Education, Health, PHE, ICDS & RDD in 22 Districts of our State.
- Expert Committee member in BIS for Water Quality Standards (WEMTEP)-CCDU (2008 – 2013).

OTHER EXPERIENCES:

- **A** Level in Computers.
- Worked as Project Coordinator in WEMTEP (NGO) on National Rural Drinking Water Programme (**A project of Ministry of Drinking Water and Sanitation, Govt. of India**) for 3 years in 2012-2014.

REFERENCE:

❖ **Dr. Mohammad Iqbal Zargar**

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Srinagar.
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❖ **Dr. Farooq Ahmad Lone**

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Division of Environmental Sciences, Sher-e-Kashmir
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Kashmir, Shalimar, Srinagar, Jammu & Kashmir - 190
025, India.
E-mail:-rfarooqlone@yahoo.co.in

DECLARATION:

I solemnly declare that the information given above is true to the best of my knowledge and belief.

Date:

Place:

(Dr Mudasir Nazir Rather)