Curriculum Vitae



Name: Dr. G. M. Rather

Designation: Professor

Department of Geography and Disaster Management, University of Kashmir, Srinagar, 190006

Contact No.: 6005832012

Email: gmrather1963@gmail.com

Educational Qualifications:

Degree	Name of Institute	Subjects/Specialization	Grade/ Division	Year
Matric	J& K Board of School Education	Science	2 nd	1979
TDC	J& K Board of School Education	Physics , Chemistry , Biology	Ist	1982
B. Sc	University of Kashmir	Geology , Geography, Chemistry	2 nd	1984
M.Sc.	University of Kashmir	Geography	1st	1988

Research Qualification

M. Phil	University of Kashmir	Medical Geography	A	1993	Topic: Health Care Behaviour in Bandipora and Gurez.
Ph.D.	University of Kashmir	Medical Geography		1997	Topic: Disease and Health Care in Srinagar City

***** Employment History:

Position	Name and Location	Date
Assistant Professor stage	Department of Geography and Disaster	2007-
1	Management, University of Kashmir, Srinagar	2012
Assistant Professor stage	Department of Geography and Disaster	2012-
2	Management, University of Kashmir, Srinagar	2016
Assistant Professor stage	Department of Geography and Disaster	2016-2019
3	Management, University of Kashmir, Srinagar	
Associate Professor	Department of Geography and Disaster	2019-2022
stage 4	Management, University of Kashmir, Srinagar	
Professor	Department of Geography and Disaster	2023 till
stage 5	date	

Teaching and Research Experience:

More than 17 Years of teaching and research experience at the Masters and Doctoral degree level .

Courses Teaching at P.G.Level

P.G. Course	Semester	Course code	Title of the course
MA /M.Sc Geography	3rd	GG21301 CR	Modern Geographical Thought
MA /M.Sc Geography	4 th	GG21406 DCE	Political Geography
MA /M.Sc Geography	Ist	GG21206 DCE	Geography of Health
MA/M.Sc Disaster	4 th	DM20408 DCE	Disasters and Public Health
Management			
MA /M.Sc Geography	4 th	GG21405DCE	Dissertations
MA/M.Sc Disaster	4 th	DM20404 DCE	Dissertations
Management			
MA /M.Sc Geography	3 rd	GG21304 CR	Geo -morphic and Socio-
			economic Field Studies

Courses Teaching in Ph.D Research Course Work

Paper	Name of the	Course	Title of the Topics
	Course	code	
I	Recent Advances	Course I: (GG- RA-01)	Philosophical Approaches in Geography
II	Research Methodology	Course 1I: (GG-RM-02)	Sampling and its Types Hypothesis Framing and Testing
III	Optional Paper	Course III (GG-OP-03)	Full paper on Environment and Health

M.Phil and Ph. D Research Guidance:(

Awarded = 6

Submitted =1

Under supervision = 7

> Awarded

Scholar	Degree	Specialization
Sameer Fayaz	M. Phil.	Physical Ecology and Socio-
		Economic Characteristics of Slums in
		Srinagar City
Arshad Ahmad Lone	M. Phil.	Quality of Life of Srinagar City- A
		Geospatial Analysis.
Rouf Ahmad Dar	Ph.D.	Geo-Ecology of Malnutrition and
		Related Health Aspects of South
		Kashmir Himalayas.
Rafiq Ahmad Hajam	Ph.D.	Trace Elements and Human Health in
		the Foot Hill Settlements of Pir-Panjal
		Range in Kashmir.
Sameer Fayaz	Ph.D.	High Altitude Residential
		Environment and Quality of Life in
		North Kashmir Himalayas- A Geo-
		Ecological Analysis.
Sajad Ahmad Mir	Ph.D.	Groundwater Quality Assessment and
		Its Impact on Human Health in North
		Kashmir

Submitted

Scholar	Degree	Topic of Research
Arshad Ahmad Lone	Ph.D.	Influence of urbanization on
		human health in Srinagar city,
		Jammu and Kashmir

Under Supervision

Scholar	Degree	Topic of Research
Mushtaq Ahmad Kumar	Ph.D.	Assessment of Quality of Life in
		Ladakh- A Geographical
		Analysis.
Adnan Hussain Lone	Ph.D.	Impact of Socio – economic
		factors on Nutrition Status
		Major Ethnic groups of North
		Kashmir.
Aijaz Ahmad Khanday	Ph.D.	Geographical Analysis of
		Disease Dynamics in Cold
		Desert Ladakh
Shazia Nabi	Ph.D.	Infant Mortality among Major
		Ethnic Communities of Kashmir
		Valley.
Shabnum Rashid	Ph.D.	Geographical Study of Lung
		Cancer in Kashmir Valley
Athar Yousuf	Ph.D.	Environment and Health in
		Kashmir Himalayas
Shaista Mushtaq	Ph.D.	Socio economic impact of
		Stomach and Breast Cancers in
		Kashmir Valley

Departmental Activities:

- 1. Worked as Nodal Officer in the department from 2019-2022.
- 2. Member of Departmental Research Committee.
- 3. Member of Board of Research Studies
- 4. Member of Purchasing Committee.
- 5. Incharge Admissions
- 6. In charge Library.
- 7. Incharge Time Table

Expertise in conducting Field Studies:

- 1. Field Studies to Ladakh in 2009 and guided 40 students in the field.
- 2. Field Studies to Gurez in 2015 and guided 40 students in the field.
- 3. Field Studies to Punjab in 2016 and guided 40 students in the field.
- 4. Field Studies to Ladakh in 2017 and guided 100 students in the field.
- 5. Field Studies to Ladakh in 2018 and guided 40 students in the field.
- 6. Field Studies to Gurez in 2022 and guided 40 students in the field.
- 7. Field Studies to Gurez in 2023 and guided 40 students in the field.

> Member of Geographical Societies:

- 1. The Geographical Society of India, Calcutta
- 2. The Indian Geographical Society, Madras
- 3. National Association of Geographers, India

> Research Projects: Completed

Role in		Type of	Title of the Project
the Project	Funding	Project	
	Agency		
Principal	ICSSR	Major	Assessment of Malnutrition among
Investigator			School Children: A Micro level Study of
			Gujjars of Greater Kashmir Himalayas,
			Funded by ICSSR.
			(Completed in 2014)
Principal	UGC	Major	Geo-Chemical Environment and related
Investigator			Health problems in North Kashmir
			Himalayas.
			(Completed in 2015)
Principal	ICSSR	Major	Assessment of Quality of Native Ethnic
Investigator			of
_			Cold Desert Leh - Ladakh
			(Completed in 2021)

> Books Published:

- 1. A Text book of Practical Geography- Elementary Surveying (2011), Arianna Publishers and Distributers, Ansari Road, Darya Ganj New Delhi ,ISBN-10 818676240X
- 2. Nutrition and Health of Children in Gujar Community of Great Kashmir Himalayan Range. (2023), K K Publishers , New Delhi, ISBN 978-82-78445-27-7

Research Papers Published:

- 1. Mir, Sajad A., M. Sultan Bhat, Durdanah Mattoo, **G. M. Rather**, and M. Saleem Wani. "Envisioning spatial justice in health geographies and groundwater governance of Kashmir Himalayas using socio-geospatial approach." *Sustainable Water Resources Management* 10, no. 2 (2024): 73.**I. F- 4.2.**
- 2. Mushtaq A. Kumar, **G.M. Rather** and Aijaz A. Khanday, (2023), Regional Disparities in Socio-economic Dynamics in the Mountain Environs of Ladakh, India, Journal of Himaliyan Ecology and sustainable Development, vol 18, pp- 1-25, ISSN- 0973- 7502.
- 3. Lone, A. H., **G. M., Rather**, J. A. Rather, & Khanday, A. A. (2023). Age and Gender Related Disparities in Nutritional Intake: A Comparative Analysis of Dietary Intake Variations in the Gujjar Ethnic Group in North Kashmir. Latin American Journal of Pharmacy, 42(6), 339-347. **I. F- 0.21.**
- 4. Sameer Fayaz, **G. M. Rather**, M. S. Bhat, (2023) High Altitude Drinking Water Quality and Disease Incidence among the Ethnic Communities of North Kashmir Himalayas, Indian journal of spatial science, Vol. 14, No. 2.pp. 22-29, ISSN NO. 2249-3921.
- 5. **G. M. Rather**, (2022) Disease Ecology of Thyroid in Mountain Ecosystem of north Kashmir Himalayas, Annals of the National Association of Geographers, India, V0l. 41 (NO. 2), Pp- 72- 84, ISSN NO: 0970-972X
- G. M. Rather ,(2022) Assessment of Quality of Life in Native Ethnic Tribes of Cold Desert Leh-Ladakh, Annals of the National Association Of Geographers, India, Vol. 42 (NO. 2), Pp-294-314, ISSN NO: 0970-972X
- 7. **Rather, G. M**. (2022) "Assessment of quality of health of native ethnic tribes of cold desert Leh-Ladakh." *National Geographical Journal of India* 68, no. 1, pp 1-17.
- 8. Rather, G. M. "Quality of Education in Native Ethnic Tribes of Cold Desert Leh-Ladakh,

Gradiva Review Journal, Vol 8. Issue 6, pp_ 166-184.

- 9. **Rather, G. M.**(2021) "Quality of Housing in Native Ethnic Tribes of Cold Desert Leh-Ladakh, Journal of Geographical Studies, Vol 5, No. 2, pp- 44-64.
- G.M.Rather (2021), Identification of risk areas of mal nutrition among school children (0-14 years) in Gujars Community of Great Kashmir Himalayas NGJI, BHU Vol. 68, No. 1, March 2022 ISSN: 0027-9374
- 11. Sameer Fayaz, **G. M. Rather**, M. Imran Malik and M. Sultan Bhat (2022), Assessment of Altitudinal Variation and Prioritization of Life Quality Indicators in Ethnic Population (Gujjars) of North Kashmir Himalayas J. Himalayan Ecol. Sustain. Dev. Vol 17, pp.1-14, ISSN 0973-7502.
- 12. Sajad Ahmad Mir*, M. S. Bhat , **G. M. Rather**, Durdanah Mattoo, (2021), Groundwater Potential Zonation using Integration of Remote Sensing and AHP/ANP Approach in North Kashmir, Western Himalaya, India Remote Sensing of Land, 5(1), pp. 41-58,
- 13. **G. M. Rather** and T. A. Kanth, (2018), Contribution of Muslim Scholars and its Impact on Development of Geography, IJMESS, Vol. 7, PP763-775,ISSN:22780793. **I. F- 1.2.**
- 14. **G. M. Rather,** (2018), Gender variation of Malnutrition and Related Health Problems among Children of Gujars of Great Kashmir Himalayan Range, J & K –India Int. Journal of Basic and Applied Research, Vol. 8, No.9 pp-714-730 ISSN: 22493352.
- 15. **G. M. Rather,** (2018), Diabetes Mellitus in Mahadev Range of Kashmir Himalayas: A Geographical analysis, Periodic Research Journal ,Vol. 07, No. 2,pp. 194-201, ISSN: 22310045 pp 62-70. **I. F- 1.2.**
- 16. **G. M. Rather, Arshad, A. Lone , Mushtaq A. Kumar** (2018), Demographic Structure of Ethnic Tribes in Cold Desert Leh Ladakh, Periodic Research Journal ,Vol. 07, No. 1,pp. 194-201, ISSN: 22310045. **I. F- 1.2.**
- 17. **G.M. Rather**, Zoya Kulsum and M. Sultan Bhat (2018), Indoor Air Quality and its impact on Health of Gujjars of North Kashmir Himalayas, Journal of Indian Research, Vol.5, No. 2, pp 50-61, ISSN:23207000.
- 18. **G. M. Rather**, (2017) Risk areas of Malnutrition among school children (0-14) in Gujjar community of Kashmir Himalayas, Journal of Himalayan Ecology And Sustainable Development. 12(0): 113 -127 {ISSN: 0973-7502}
- 19. Arshad A. Lone, Shazia Nabi, **G.M. Rather**, M. S. Bhat (2017), Urban influence on public health in Srinagar city, Jammu and Kashmir, Journal of civil Engineering and Environmental Technology, Krishi Sanskrit publications, Vol 4, ISSUE 6, Pp. 574-577.

- 20. **G. M. Rather**, Sameer Fayaz, (2014) Nutrition Intake and Imbalances among children (0-14 years) of Gujar community in Great Kashmir Himalayan Range. Int. Journal of Recent Scientific Research, vol. 5, No.10, pp.1900-1907.1SSN: 0976 3031.
- 21. Rouf A. Dar and **G. M. Rather**, (2015), Spatial variation in Malnutrition grades using Body Mass Index: A Comparative study among Kashmiri and Gujar adults of South Kashmir Himalayas, J&K-India. Int. Journal of Recent Scientific Research, Vol.5 No.12. pp. 2260-2265, 1SSN: 0976 3031.
- 22. **G. M. Rather**, Rauf A. Dar and M. Sultan Bhat,(2015) Residential Environment and Related Health Problems in Cold Desert of Ladakh, Indian Journal of Regional Science, Regional Science Association, India, Vol. XLVII, No. 1, pp.135- 144, ISSN 0046-9017.
- 23. Sameer Fayaz, **G. M. Rather**, and M. Sultan Bhat,(2015) Socio-economic Characteristics of Slums in Srinagar City, Elixir Social Studies Journal, 85(1): 34624 -34630, ISSN: 2229-712x
- 24. Rafiq A. Hajam, **G. M. Rather** and T. A. Kanth, (2015), Geomedical study of Thyroid disorders in foot hill settlements of Pirpajal Range, Journal of Public Health and Epidemiology, 7(9): 294 -304 {ISSN: 2006-9723} . **I. F- 2.2.**
- 25. **G. M. Rather**,(2015), Trace Elements and Heath in North Kashmir Himalayas, Journal of Himalayan Ecology and Sustainable Development, 10(2): 115 -125 (ISSN: 0973-7502)
- 26. **Rather, G. M.** "Spatial Variation Of Body Mass Index (BMI) Among School Children (7-14 Years) In Gujar Community Of Greater Kashmir Himalayas." *Governing Council of the Indian Geographical Society*: 126-135
- 27. Rauf A. Dar, **G. M. Rather**, (2015), Macronutrient Status in Soils of South Kashmir Himalayas, J&K-India, International Journal of Advanced Research, Volume 3, Issue 3, 849-853. {ISSN 2320-5407}.
- 28. **G. M. Rather**, (2014) Sameer Fayaz, Malnutrition among School Children of Gujar Community of Greater Himalayas, International Journal of Scientific and Research Publications, 5(3): 1 -12 {ISSN: 2250-3153} 2014

- 29. Rouf A. Dar, **G. M. Rather**, (2014) Assessment of magnitude of malnutrition and related health problems in cold desert Leh- Ladakh, European Academic Research,vol.2 issue 4, ISSN 2286-4822.
- 30. Fayaz, Sameer, **G. M. Rather**, Zoya Naqshbandi, Hakim Farooq, and Jahangeer A. Parray. "Physical Ecology of Slums in Srinagar City." (2015).
- 31. Sameer Fayaz, **G. M. Rather**, and M. Sultan Bhat,(2012) Developmental Planning for Slums in Srinagar City, Proceedings of 36th Indian Geography Congress, 1(1): 18 -25.
- 32. **G. M. Rather**, M. Sultan Bhat and T. A. Kanth,(2010) Impact of urban waste of Srinagar city on the quality of water, of water of river Jhelum, International Journal of lakes and rivers., Vol 3 (1). **I. F- 3.2.**
- 33. **G. M. Rather**, (2010) Traditional Medical Therapy in Rural Ladakh A Regional Analysis International Journal of Health Science and Research, 5(6): 470 -476 {ISSN: 2249-9571. **I. F-2.1**
- 34. **G. M. Rather,** (2004), Levels of Mal-Nutrition in Preschool Children of four Rural Communities in Bandipora and Gurez, Geographical Review, Geographical Society of India, University of Calcutta, Vol. 66, No. 1, pp. 28-40.
- 35. Kanth, T.A. and **Rather, G.M.**, 2003. Soil Fertility Zones in Kashmir valley. *Oriental Science*, 8, pp.33-39.
- 36. **G. M. Rather**, (2002) cardiovascular diseases in Srinagar city, India, Indian geographical journal. Vol 77(1), pp- 51-60.
- 37. **G. M. Rather**, Rais Akhtar, (2000) Cancer mortality in Kashmir, the Indian geographical journal 75 (2), pp-131-140.
- 38. **G. M. Rather**, Rais Akhtar, (1999) Healthcare behaviour in Dards, A case study of Gurez valley. Journal of central Asian studies. Vol X, pp- 121-130.

> Book chapters:

- Environmental Sustainability and its Impact on Public Health in Ladakh India, Sustainability and Health Informatics, Tripathi et.al (eds). Advances in Geographical and Environmental Science by Springer, pp 183-198
- 2. Water Quality and Human Health in Foot hill settlements of Pir Panjal Range in Anantnag and Kulgam Districts of Jammu and Kashmir State, India, in Environmental Deterioration and Human Health, edited by Abdul Malik, Elisabeth Grohmann and Rais Akhtar, Published by **Springer**, pp. 349- 369(2014).
- 3. Impact of COVID-19 Pandemic on the Education Sector of Kashmir Valley Its Challenges and Future Prospects. Temporal and Spatial Environmental Impact of the COVID-19 Pandemic, **Springer**, 129-137, (2023).

- 4. Developmental Planning for the Slums in Srinagar City *in* Urban Environment and Science edited by Dr. Mohd Akhter Ali, Kabir Mohan Sethy, Dr. Muzafar Wani and M. Kamraju, **Springer**, Ane Books Pvt.Ltd.(2021).
- 5. Health-seeking Behaviour among the Hanjis of Dal Lake, Kashmir, India. In Environment and Health in Jammu & Kashmir and Ladakh (pp. 147-158). **Routledge** India, (2023).
- 6. Traditional Medical Therapy in Rural Ladakh–A Regional Analysis. In Environment and Health in Jammu & Kashmir and Ladakh (pp. 63-74). **Routledge** India, (2023).
- 7. Urbanization and Quality of Human Health in Srinagar City, Jammu and Kashmir. In Environment and Health in Jammu & Kashmir and Ladakh (pp. 91-108). **Routledge** India, (2023).
- 8. Levels of Malnutrition by Altitude Based on Body Mass Index (BMI) among School Children (14–18 years) in Gujjar Community of Greater Kashmir Himalayas. In Environment and Health in Jammu & Kashmir and Ladakh (pp. 201-212). **Routledge** India, (2023).
- 9. Role of big geospatial data in the COVID-19 crisis. In Data Science for COVID-19 (pp. 589-609). Academic Press, (2020).
- 10. Applications of Remote Sensing in the Groundwater Potential Analysis of Developing Countries. In Re-envisioning Advances in Remote Sensing (pp. 251-266). CRC Press.(2021)
- 11. Development Of Geography, in Advances in Literature, Social Science, Commerce and Management Volume IV, 57, Bhumi Publications, (2023).
- 12. Anthropogenic Pressure and Conservation of Dal Lake in book: Water Resource Management and Sustainable Agriculture, APH Publishing Corporation, New Delhi, 2008, ISBN: 10: 8131303195.
- 13. Ecology of Thyroid in North Kashmir Himalayas in Geographical Aspects of Health and Disease in India in book Geographical Aspects of Health and Disease in India, Edited by Rais Akhtar, Concept Publishing Company, New Delhi, , ISBN: 13: 978-81-8069-459-2. 2018
- 14. Changing Nature of Geography in Higher Education in India published by Academic Staff College University of Kashmir, 2011, Pp. 318-331.
- 15. Geographical analysis of traditional medical system in Bandipora and Gurez tehsils of North Kashmir Himalayas, Management strategies for Indian Himalayas: development and conservation, Vol-II, Edited by M.S.S. Rawat and Dinesh Pratap, Published by Trans media Publication, Uttarakhand, 2009, pp147-160.
- 16. Lifestyle change and incidence of cardio vascular diseases in Srinagar city, "City, society and planning", Edited by Baleshwar Thakur et al, Concept publishing Company, New Delhi, 2007, Vol. I, ISBN 13-9788180694585
- 17. Sedimentation and Shrinkage of Dal lake- Kashmir, in book Ecohydrology (**under UNESCO** & **IHP series**) published by School of Environmental science, Jawahar Lal Nehru University,

> Conferences/Workshop Attended and Papers Presented

International

- **1.** Attended International Conference on Ecohydrology at JNU. 2001 Under UNISCO and IHP Series. Paper presented on **Sedimentation and Shrinkage of Dal Lake**.
- 2. Attended International Conference on Regional Development, sustainability and socioeconomic development in Jammu and Kashmir 5-6 June 2013. Paper presented on **Planning** strategies for the conservation of Dal Lake.
- Attended International Conference on Climate change and Geo Hazards at Jaipur University.
 2011 Paper Presented on Housing and Health in Ladakh- A Geographical Analysis.
- **4.** Attended International Geographical Union (IGU), Department of Geography, University of Kashmir 2014. Paper presented on **Ecology of Diabetes in Mountain Eco system of KashmirHimalayas.**
- 5. Attended International Conference on Recent Developments in Science, Humanities & Management-2018. Held on: 17 18 April, 2018 at Amar Singh College and Presented a paper on Household Quality of life Index among the Ethnic population of North Kashmir Himalayas, India

National Level

- Attended National Conference on Recent Advances in Understanding the Role of Phytochemicals in Human Health held on 25-26 July 2018 at University of Kashmir.
 Presented a paper on Materia Medica of North Kashmir Himalayas
- Attended One-week UGC-SAP National Seminar cum workshop on Disaster Mitigation: Approaches and Strategies organized by Department of Geography and Regional Development, Srinagar from 13-18 march 2017.
- 3. Attended a two-day National Seminar on Ageing and Elderly Care: Critical Issues, challenges and the way Forward held on 29-30 March 2018 and presented a paper entitled **Health Status in Elderly population using BMI-A Comparative study of Kashmiri and Gujar community of North Kashmir Himalayas.**

4.	Attended NAGI at University of Jammu (1995) and I	Procented a paper on	Cardiavacaular
4.	Diseases in Srinagar City.	rresented a paper on	Carulovascular

State Level

- **1.** Attended a National Work shop on Water Resource Management at SKUAST 2008. Presented a paper on **Anthropogenic pressure and conservation of Dal Lake.**
- 2. Attended 6th J K Science Congress at University of Kashmir in 2010 and presented a Paper on **Nutrition and Health in Ladakh**.
- 3. Attended 8th J K Science Congress at University of Kashmir in 2011 and Presented a paper on **Traditional Medical Therapy in Ladakh.**
- 4. Attended 9th JK Science Congress 2013 and Regional Science Congress held at university of Kashmir from October 1- 3 2013.
- 5. Attended 11th JK Science Congress 2014 conducted by university of Kashmir, sponsored by JK state science, technology& innovation council and DST from October 12- 14, 2013.
- 6. Attended 13th session J&K Science congress-2018, Organized from 2 4 April 2018 University of Kashmir in collaboration with the Jammu &Kashmir state Science, Technology, and innovation council.

> Faculty Training programmes Attended:

- 1. Course on Remote Sensing & GIS Technology and Applications at NRSC Hyderabad from 27 November 2006 to 16 February 2007.
- Three Weeks Refresher course in Disaster Management (Interdisciplinary) from 30-01-2019 to 21-02-2019 conducted by UGC-Human Resource Development Centre, University of Kashmir.
- 3. Twenty-one days DST sponsored programme on Geospatial technologies held at Department of Geography and Regional Development, University of Kashmir Srinagar between 2 and 29 September 2014.
- 4. Three Weeks Refresher course in Disaster Management (Interdisciplinary) from 04-08-2014 to 23-08-2014 conducted by UGC-Human Resource Development Centre, University of Kashmir.
- 5. One week workshop on Research Methodology under UGC-SAP jointly organized by UGC Academic Staff College and Department of Geography from 25-06-2012 to 01-07-2012.

- 6. One week Training Programme organized by the SAARC Disaster Management Centre New Delhi in Collaboration with Department of Geography from 06 12 November 2013.
- 7. Participated in four-week UGC sponsored 55th General orientation Course organized from 05-09-2011 to 04-10-2011.
- 8. Participated in three-week UGC sponsored Research Methodology Refresher course in social sciences and Humanities (interdisciplinary) organized from 07-10-2009 to 31-10-2009.
- 9. Participated in three-day workshop on Research Methodology from 28-03-2009 to 30-03-2009 organized by Academic Staff College in collaboration with Faculty of Social Science, university of Kashmir.

Dr G.M. Rather Associate Professor