

# Dr. Javaid Ahmad Tali

## Assistant Professor

Department of Geography

Government Degree College Tral

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## Objective

I am on a continuous journey of learning and academic exploration, seeking opportunities to enhance my understanding and practical application of geographic knowledge. My aim is to grow within an environment that nurtures curiosity, research, and collaborative learning. Currently serving as an Assistant Professor of Geography in the Higher Education Department of the Government of Jammu and Kashmir, and posted at Government Degree College Tral, I remain committed to expanding my capabilities in geospatial technologies, sustainable development, and environmental studies. I hope to continue learning and growing through every experience, while striving to contribute effectively in teaching, research, and academic activities.

## ACADEMIC QUALIFICATIONS

|      |                 |                        |  |
|------|-----------------|------------------------|--|
| 2017 | <b>NET</b>      | Geography              | Central Board of Secondary Education       |
| 2016 | <b>Post Doc</b> | Medical Geography      | Indian Council of Social Sciences Research |
| 2013 | <b>Ph.D.</b>    | Urban Geography        | University of Mysore                       |
| 2010 | <b>B.Ed.</b>    | Teaching Methodologies | University of Kashmir                      |
| 2009 | <b>P.G.</b>     | Geography              | University of Kashmir                      |

## RESEARCH WORK

### **Post-Doctoral Research      2014 – 2017**

#### **ICSSR, Centered at the University of Mysore**

Research project: Spatial Analysis of Health Status and Health Promotion of District Pulwama (Jammu & Kashmir)

The work involves:

- Distribution of Health Centers
- Physical Accessibility
- Utilization Pattern and
- Prospective Planning

### **Doctoral Research      2010 – 2013**

#### **University of Mysore, Mysuru Karnataka India**

Research project: Dynamics of rural-urban fringe: A Case study of Srinagar City

The work involved:

- Studied Physical Expansion, Land Use Conversion, Population Explosion

- Delineation of Rural-Urban Fringe Based on Socio-Economic and Demographic Variables
- Effect of Distance Gradient on Socio-Economic and Demographic Variables
- Land Use Conversion of Fringe Area Based on Distance

## **Post-Graduation (Geography) 2007 – 2009**

### **University of Kashmir**

**Research project:** Delineation of Rural-Urban Fringe of Pampore Town

**The work involved:**

- Delineation of Rural-Urban Fringe Based on Socio-Economic and Demographic Variables
- Characteristics of the Socio-Economic and Demographic Variables

## **Teaching Experience**

- Working as Assistant professor at Department of Geography Government Degree College Tral from 20-03-2021 till date
- Worked as Assistant Professor (academic arrangement) at Department of Geography, Cluster University Srinagar from 09-04-2018 to 28-12-2020
- Worked as Assistant Professor (academic arrangement) at Post Graduate Department of Geography, Cluster University Srinagar from 09-08-2017 to 19-02-2018

## **Number of Students Supervised at P.G. Level**

- Impact Of Physical Factors on Agricultural Productivity: A Case Study of Bandipora District J&K
- Spatial Distribution of Healthcare Facilities: A Case Study of Bandipora District J&K
- Spatio-Temporal change in Forest cover in District Budgam
- Spatio-temporal changes in Land use land cover change of District Pulwama

## **Areas of Interest**

1. Remote Sensing and GIS
2. Urban Geography
3. Physical Geography
4. Regional Planning

## **Research Interest**

1. Urbanization and Environment
2. Dynamics and impact of Land Use Land Cover Change
3. Environment and Health

## **SCIENTIFIC AND TECHNICAL SKILLS**

1. Remote sensing
2. Geographical information system (GIS)
3. Global Positioning System (GPS)

## **Research Papers**

1. Viswambharan, Sajeesh, **Javaid Ahmad Tali**, Indu Tarur Kumaramkandath, Mudasir Majid Malik, Zoya Kulsum Naqashbandi, Zahra Bathool, Fayaz Ahmad Malla, and Hilal Ahmad Ganaie. "Dynamic response of vegetation, land surface temperature and carbon storage to changes in land use and land cover in Mysuru City, Karnataka, India." Environmental Science and Pollution Research (2025): 1-23.

2. Mifta ul Shafiq, Zahoor ul Islam, Abida, **Javaid Ahmad Tali**, Pervez Ahmed, A P Dimri, Rashid Mahmood. "Assessment of climate variability and trends in different physiographic zones of North Western Himalayas." *Theoretical and Applied Climatology* (2024): 1-20.
3. **Javaid Ahmad Tali**, Tariq Ahmad Ganaie, and Mohd Waseem Naikoo. "Assessing the link between land use/land cover changes and land surface temperature in Himalayan urban center, Srinagar." *Environmental Science and Pollution Research* 30, no. 17 (2023): 51191-51205.
4. Shafiq, Mifta ul, **Javaid Ahmad Tali**, Zahoor ul Islam, Junaid Qadir, and Pervez Ahmed. "Changing land surface temperature in response to land use changes in Kashmir valley of northwestern Himalayas." *Geocarto International* 37, no. 27 (2022): 18618-18637.
5. Singh, Dig Vijay, Javeed Iqbal Ahmad Bhat, Rouf Ahmad Bhat, and **Javaid Ahmad Tali**. "Vehicular emission and its impact on heavy metal accumulation and photosynthetic pigments on pine needles in Pahalgam forest ecosystem." *Environmental Science and Pollution Research* 30, no. 9 (2022): 23898-23907.
6. Viswambharan, Sajeesh, Indu Tarur Kumaramkandath, and **Javaid Ahmad Tali**. "A geospatial approach in monitoring the variations on surface soil moisture and vegetation water content: a case study of Palakkad District, Kerala, India." *Environmental Earth Sciences* 81, no. 20 (2022): 494.
7. Umar Jan Wani, **Javaid Ahmad Tali** and Mudasir Majid Malik (2021). Mapping and Monitoring Land Use and Land Cover Change: A Study of District Pulwama, *Sambodhi Journal*, 44(1), 122-125
8. Divya. S, **Javaid Ahmad Tali**, Chandrashekara. B, and Kumar, D. (2021) GIS based Accessibility Analysis: An Approach to Determine Primary Healthcare Services in Chamarajanagara District
9. Divya. S, **Javaid Ahmad Tali** and Chandrashekara. B, (2021), Geographical Accessibility and Spatial Coverage Modelling of the Healthcare Centers in Chamarajanagara District (Karnataka), *Sambodhi Journal*, 44(1), 117-121
10. Divya. S, **Javaid Ahmad Tali**, Chandrashekara. B, and Kumar, D. (2021) GIS based Accessibility Analysis: An Approach to Determine Primary Healthcare Services in Chamarajanagara District. *Wesleyan Journal of Research*, 13(54), 34-42.
11. Lone, S. A., Mayer, I. A., & **Javaid Ahmad Tali** (2020). Geospatial Dynamics of Cropping pattern and Agricultural Efficiency in Kashmir Valley-A Northwestern Himalayan Region, India. *Sustainability, Agri, Food and Environmental Research*, 9(4).
12. **Javaid Ahmad Tali**, Deepak Kumar and Asima Nusrath (2019). Spatial Accessibility to Public Health Centers: A Study of District Pulwama (J&K), *Hill Geographer*, 35(2), 29-38
13. Devi, M., Mala, D. T., & **Javaid Ahmad Tali** (2018). Geo-Chemical Evaluation of Heavy Metals in the Lakes of South Chennai, Tamil Nadu, India. *International Journal of Research in Social Sciences*, 8(10), 643-657.
14. Mudasir Majid Malik, **Javaid Ahmad Tali**, Asima Nusrath, Spatio-Temporal Changes of Forest Cover in Baramulla District, *Journal of Remote Sensing & GIS*, 2017, 8(3), (ISSN: 2230-7990)

15. Mudasir Majid Malik, **Javaid Ahmad Tali**, Asima Nusrath, Assessment of Land Use and Land Cover Change in District Baramulla, Jammu and Kashmir, Research & Reviews: Journal of Space Science & Technology, 2017, 6(3), (ISSN: 2321-2837)
16. **Javaid Ahmad Tali**, Divya and Asima Nusrath, Spatial Distribution of Health Centers: A Study of District Pulwama (Jammu and Kashmir), International Journal of Health Sciences and Research, 2017, 7(11), (ISSN: 2249-9571)
17. Thulasimala. D, **Javaid Ahmad Tali**, MS. Lokeshwari and Aasif Nengroo, Spatial and Seasonal Distribution of Leptospirosis in Chennai City, International Journal of Scientific Research in Science, Engineering and Technology, 2017, 3(6), (ISSN: 2394-4099)
18. **Javaid Ahmad Tali**, Asima Nusrath<sup>1</sup> and Aasif Nengroo, Geographical Accessibility and Spatial Coverage Modeling of the Healthcare Centers in District Pulwama (J&K State), International Journal of Scientific Research in Science and Technology, 2017, 3(7), (ISSN: 2395-602X)
19. Neda Rafiee, **Javaid Ahmad Tali**, Mohammad Reza Emtehani, Mudasir Majid Malik, SWOT analysis for central area of Shiraz city, Iran, India, International Journal of Academic Research and Development, 2017, 2 (5): 1016-1021, (ISSN: 2455-4197)
20. **Javaid Ahmad Tali**, Mudasir Majid Malik, Divya S, Asima Nusrath, Mahalingam B, Location–Allocation model applied to urban public services: Spatial analysis of fire stations in Mysore urban area Karnataka, India, International Journal of Advanced Research and Development, 2017, 2 (5): 795-801 (ISSN: 2455-4030)
21. Sangeeta Rani and **Javaid Ahmad Tali**, Determinants of Spatial Patterns of Sex Ratio in Haryana, India, Journal of Social Sciences, 2017, 13 (1): 23.27, (DOI: 10.3844/jssp.2017.23.27)
22. Vahid Sharifi, S.Srikantaswamy, Manjunatha M.C, **Javaid Ahmad Tali**, Spatio-Temporal Assessment and Mapping of Groundwater Quality in Mysuru Taluk, Karnataka, India using Geo-Informatics Technique, International Journal of Application or Innovation in Engineering & Management, 2016, 5(3): 18 – 28, (ISSN 2319 - 4847)
23. Sangeeta Rani and **Javaid Ahmad Tali**, Differentials of Sex Ratio among Major Religion of Haryana, International Journal of Recent Scientific Research, 2016, 7(1): 8219-8222, (ISSN: 0976-3031)
24. Minutha V, Subash S S, **Javaid Ahmad Tali** and Divya S, Measuring Spatial Accessibility to Primary Health Center in Mysore District, International Journal of Physical and Social Sciences, 2014, 4(12): 30 – 41, (ISSN: 2249-5894)
25. Divya. S, **Javaid Ahmad Tali** and Chandrashekara. B, Measuring Geographical Accessibility to Primary Health Centers in Chamarajanagara District, International Journal of Research in Social Sciences, 2014, 4(4): 460 – 468, (ISSN: 2249-2496).
26. Divya. S, **Javaid Ahmad Tali** and Chandrashekara. B, Measuring the Availability of Health Workforce Using Thiessen Polygon Method – A Case Study of Chamarajanagara District, Golden Research Thoughts, 2014, 3(12): 1 – 7, (ISSN No :2231-5063).

27. Divya. S, **Javaid Ahmad Tali** and Dr. Chandrashekara. B, Delineation of Primary Healthcare Services in Chamarajanagara Taluk – A Spatial Analysis, Journal of International Academic Research for Multidisciplinary, 2014, 2(1): 494 – 503, (ISSN: 2320-5083)
28. **Javaid Ahmad Tali**, Divya S and Asima Nusrath, A Literature Survey on Rural Urban Fringe, Journal of International Academic Research for Multidisciplinary, 2014, 2 (1): 504 – 517, (ISSN: 2320-5083)
29. **Javaid Ahmad Tali**, Divya.S. and Krishna Murthy, Influence of Urbanization on the Land Use Change: A Case Study of Srinagar City American Journal of Research Communication, 2013, 1(7): 271-283, (ISSN: 2325-4076)
30. Divya S and **Javaid Ahmad Tali**, Availability Aspect of Healthcare Access in Chamarajanagara District – A Spatial Analysis, Golden Research Thoughts (GRT), 2013, 2(11): 71 – 76, (ISSN No :2231-5063)
31. Divya S, **Javaid Ahmad Tali** and Chandrashekara B, A Geographical Study of Inequality in Distribution of Public Healthcare Centers in Hunsur Taluk, Mysuru, International Journal of Environmental Sciences, 2012, 1 (4): 294-298, (ISSN: 2277-1948).
32. Neda Rafiee, T.M. Mahesh, **Javaid Ahmad Tali**, Mohammad Reza emtehani, The Appropriate Approach To Renewal The Historical Center Of Shiraz City, Iran, New York Science Journal, 2012, 5(12): 80-85, (ISSN: 1554-0200)
33. Mohammad Reza Emtehani, H. N. Nagendra, **Javaid Ahmad Tali** and Neda Rafiee, Changing Scenario of CBD: A Case Study of Shiraz City in Iran, International Journal of Environmental Sciences, 2012, 1(3): 173-177, (ISSN: 2277-1948)
34. Mohammad Reza Emtehani, H. N. Nagendra, A. Assari, **Javaid Ahmad Tali** and Neda Rafiee, Dynamics of Ward Wise Population in Shiraz City (1986 - 2012), International Journal of Basic and Applied Sciences, 2012, 1 (4): 333-336, (ISSN: 2277-1921)
35. **Javaid Ahmad Tali** and Krishna Murthy, Impact of Demographic and Areal Changes on Urban Growth: A Case Study of Srinagar City, International Journal of Environmental Sciences, 2012, 1(2): 38-45, (ISSN: 2277-1948)
36. **Javaid Ahmad Tali**, Mohammad Reza Emtehani, Dr. Krishna Murthy and Dr. H. N. Nagendra, Future Threats to CBD: A Case Study of Bangalore CBD, New York Science Journal, 2012, 5 (12): 22-27, (ISSN: 1554-0200)
37. **Javaid Ahmad Tali** and Krishna Murthy, Impact of Demographic and Areal Changes on Urban Growth: A Case Study of Mysore City, "International Journal of Technical and Physical Problems of Engineering" (IJTPE), 2012, 4 (1): 74-79. (ISSN 2077-3528)

### **Book Chapters:**

1. Zahoor ul Islam, Zahoor, Mifta ul Shafiq, **Javaid Ahmad Tali**, Pervez Ahmed, and Waseem Ahmad Bhat. "Assessing the Impact of Terrain Attributes on Snow Cover Area Distribution in Kashmir Valley, Northwestern Himalaya." In Towards Sustainable Natural Resources: Monitoring and Managing Ecosystem Biodiversity, pp. 85-104. Cham: Springer International Publishing, 2022.

2. **Javaid Ahmad Tali**, Murtaza Nazir, and Mifta ul Shafiq. "Enhanced Two-Step Floating Catchment Area (E2SFCA) Method for Measuring Spatial Accessibility to Primary Healthcare in HD Kote, Mysore (India)." *Towards Sustainable Natural Resources: Monitoring and Managing Ecosystem Biodiversity*. Cham: Springer International Publishing, 2022. 255-273.
3. Tariq Ahmad Ganaie, **Javaid Ahmad Tali**, Mifta ul Shafiq, Harmeet Singh, & Pervez Ahmed (2021). Mapping Seasonal Variability and Spatio-Temporal Trends of Water Quality Parameters in Wular Lake (Kashmir Valley). *Geographic Information Science for Land Resource Management*, 161-190, Print ISBN:9781119786320, Online ISBN:9781119786375,

### **Books:**

1. Waseem Ahmad Wani, **Javaid Ahmad Tali** & Mohammad Farooq Mir (2022), ***Understanding Kashmir Lakes: Water Quality, Biodiversity, Deterioration, Encroachment, and Vision for Their Protection and Restoration***, Nova Science Publisher, DOI: 10.52305/EOBV1621, ISBN: 979-8-88697-391-4
2. Aasif Hussain Nangroo and **Javaid Ahmad Tali** (2021), ***Introductory Statistics***, Renascence Publishers, 978-93-92276-27-9

### **PAPER PRESENTATIONS**

1. Geo-spatial modeling for healthcare accessibility in district Pulwama – pre and during covid-19 analysis, held on 30<sup>th</sup> December 2021, at one day national conference on Contemporary Social Issues in India: Challenges and way forward at Government Degree College for Women Pulwama
2. Algorithm for mapping the land surface temperature and vegetation cover using Landsat 8 satellite data at 13<sup>th</sup> session of Jammu & Kashmir Science Congress (JKSC-2018) held on 2<sup>nd</sup> to 4<sup>th</sup> April 2018 at University of Kashmir.
3. Poster presentation of spatial accessibility to primary Health Care Centers utilizing two step floating catchment area method at International Conference on emerging trends in management, engineering, Law, technology and sciences held on 3<sup>rd</sup> to 5<sup>th</sup> December 2018 at Sandeep University Nashik.
4. Geo-Chemical Evaluation of Heavy Metals in the Lakes of South Chennai, Tamil Nadu, India at National Conference on Sustainability of Resource: Spatial Challenges using Geospatial Techniques, held on October 4<sup>th</sup> to 5<sup>th</sup>, 2018, at Department of Geography, School of Earth and Atmospheric Sciences, Maduari Kamraj University.
5. Spatial and Seasonal Distribution of Leptospirosis in Chennai City at Swami Shukdevanand 9<sup>th</sup> International Seminar at **“International Terrorism, Tourism and Economic Health of the World”** held on 16<sup>th</sup> and 17<sup>th</sup> December 2017 at Faculty of Commerce and Research Studies.
6. The Pattern and Distribution of Crime Incidence in Urban Environment: A Study of Srinagar City at national Conference on **“Future Cities, Sustainable Development and Geospatial Technologies”** held on 5<sup>th</sup> to 7<sup>th</sup> December 2017, at Department of Geography, Osmania University
7. Impact of Land use Conversion on food Security in District Pulwama held at International Conference on **“Advances in Agricultural and Biodiversity Conservation for Sustainable Development”** held

on 27<sup>th</sup> to 28<sup>th</sup> October, 2017, at Brahaspati Bhawan, Chaudhary Charan Singh University, Meerut, Uttar Pradesh, India

8. Location Allocation Model applied to Urban public services: Spatial Analysis of Fire Stations in Mysore Urban Area, Karnataka – India at National conference on **“Sustainable Development, Environmental Vulnerability and Geospatial Technology”** held on 26<sup>th</sup> to 28<sup>th</sup> December, 2016, at Department of Studies in Geography University of Mysore
9. Therapeutic Landscape in Geographical Research: A Review conference at nation conference on **“Sustainable Development, Environmental Vulnerability and Geospatial Technology”** held on 26<sup>th</sup> to 28<sup>th</sup> December, 2016, at Department of Studies in Geography University of Mysore
10. Accessibility to Higher Order Public Health Centers a Study of District Pulwama (J&K) at XL Indian Social Science Congress on **“Peoples’ Health and Quality of Life in India”** held on 19<sup>th</sup> to 23<sup>rd</sup> December, 2016, at Department of Studies in Geography University of Mysore
11. Spatial Distribution of Health Centers: A Study of District Pulwama (Jammu and Kashmir) at 6<sup>th</sup> NAGI International Conference held on **“Changing Dimension of Water Resource: A Challenge Before Mankind”** held on 18<sup>th</sup> to 20<sup>th</sup> November, 2016, at Nalanda Open University Patna
12. Differentials of Sex Ration among Major Religious Groups of Haryana: A Geographical Analysis at **“International conference on Environment, Tourism and Development”** held on 26<sup>th</sup> to 28<sup>th</sup> February, 2015, at Department of Geography Magadh University Bodhgaya.
13. Measuring Geographical Accessibility to Primary Health Centers in Chamarajanagara District at 36<sup>th</sup> Indian Geography Congress at Geography department, university of Rajasthan, Jaipur, on **“Urban System, Rural Livelihoods Security and Resource Management”** held on 17<sup>th</sup> to 19<sup>th</sup> November, 2014.
14. Availability Aspect of Healthcare Access in Chamarajanagara District – A Spatial Analysis at national conference on **“Sustainable Environment and Society”** held on 12<sup>th</sup> to 14<sup>th</sup> December, 2013, held at Department of Geography University of Madras, Madras.
15. Influence of Urbanization on the Land Use Change: A Case Study of Srinagar City at **“International conference on Urban Issues and Challenges”** held on 27<sup>th</sup> and 28<sup>th</sup> March, 2013, held at Department of Geography University of Bangalore, Bangalore.
16. SWOT analysis for Central Area of Shiraz City, Iran at **“National Seminar on Geospatial and Ecological Mapping of Biodiversity Tools and Techniques”**, held on 30<sup>th</sup> and 31<sup>st</sup> May, 2012, held at Department of Studies in Earth Science, University of Mysore, Manasagangothri Mysore.
17. Impact of Demographic and Areal Changes on Urban Growth: A Case Study of Mysore City at **“International conference on “Environment, Tourism and Development”** held on 22<sup>nd</sup> to 24<sup>th</sup> February, 2012, held at Department of Studies in Geography University of Mysore.

### **Conference/Workshop Participation**

1. 103<sup>rd</sup> Indian Science Congress held on January 3 to 7 2016 at University of Mysore

2. National Workshop on Advanced Application of Remote Sensing for Sustainable Development and Resource Conservation held on 31<sup>st</sup> March and 1<sup>st</sup> April 2015 at Department of Studies in Geography, University of Mysore
3. National Workshop on Advanced Application of Geospatial Technology at Department of Studies in Geography, University of Mysore held on 28<sup>th</sup> February to 5<sup>th</sup> March 2013
4. One Day National Seminar on Status of Geography in India: Issues, Opportunities and Challenges held on 12<sup>th</sup> February 2015 at Department of Geography, Maharaja's College, University of Mysore
5. One Day National Seminar on Environment and Health Hazards held on 23<sup>rd</sup> March 2013 at S.B.R.R. Mahajana First Grade College Jayalakshmipuram, Mysore.
6. Seminar at national level on Dimensions of Urbanization – Challenges and opportunities held on 19<sup>th</sup> and 20<sup>th</sup> October 2012 at S.B.R.R. Mahajana First Grade College Jayalakshmipuram, Mysore.
7. One Day National Seminar on Climate Change and Disaster Management held on 7<sup>th</sup> March 2012 at S.B.R.R. Mahajana First Grade College Jayalakshmipuram, Mysore.
8. National Seminar on Himalayan Resources: Issues, Challenges and Management Strategies held on 11<sup>th</sup> and 12<sup>th</sup> October – 2011 at Department of Geography and Regional Development, University of Kashmir, Jammu and Kashmir.
9. Two Days National Seminar on Dimensions of Urbanization and Development in India held on 24<sup>th</sup> and 25<sup>th</sup> March 2011 at S.B.R.R. Mahajana First Grade College Jayalakshmipuram, Mysore.

### **Orientation/refreshers Courses**

1. Completed a 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”, Teaching Learning Centre, Ramanujan College University of Delhi from May 18 - 17 June, 2021

### **Board of Studies Member**

1. Attended Board of Under-graduate meeting in the subject of Geoinformatics held at Department of Geoinformatics, University of Kashmir on 19th May 2022
2. Nominated as a member of the Board of Under-graduate studies meeting in Geoinformatics for three years (05/05/2022 to 05/05/2525) by Dean School of Earth and Environmental Science, University of Kashmir.
3. Attended Board of Under-graduate and Post-Graduate meeting in the subject of Geography held at Cluster University Srinagar on 18th and 20th December 2021

### **REFEREES**

**Professor Krishna Murthy**, University of Mysore, galimane@yahoo.com Tel: +91-9449263426

**Professor Asima Nusrat**, University of Mysore, n\_asima@yahoo.com Tel: +91-9986525716

**Professor Shamim Ahmad Shah**, University of Kashmir, [shamimcrocus@uok.edu.in](mailto:shamimcrocus@uok.edu.in), 9906577395

### **Declaration**



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

**Dr Javaid Ahmad Tali**