

## CURRICULUM VITAE

**HASAN RAJA NAQVI, PhD**

### **PERSONAL INFORMATION**

Citizenship: Indian  
Office Address: Room No 120, Department of Geography,  
Faculty of Natural Sciences, Jamia Millia Islamia  
New Delhi, India-110025  
Official email: hnaqvi1@jmi.ac.in  
Personal email: naqvi.hassan7@gmail.com

### **EDUCATION**

<u>Institutions</u>	<u>Degree</u>	<u>Date Conferred</u>	<u>Field</u>
Jamia Millia Islamia (A Central University), New Delhi, India	PhD	Jan, 2013	Soil Erosion, Watershed Mgt. and Remote Sensing/GIS
Ch. Charan Singh University Meerut, UP, India	MA/Msc	June, 2006	Geography
Ch. Charan Singh University Meerut, UP, India	BA	June, 2004	Geography
CBSC	Intermediate	2001	Humanities
CBSC	High School	1999	Science/Humanities

### **PROFESSIONAL QUALIFICATION**

NRSA, Indian Space Research Org. Dehradun, Govt. of India	Certificate	Jan, 2011	Remote Sensing/GIS & GPS
Jamia Millia Islamia (A Central University), New Delhi, India	Diploma	2008	NGO Management

### **RESEARCH INTEREST**

Land and climate changes, natural resources, soil erosion, watershed management and built environment issues employing Remote Sensing/GIS and field work.

## PROFESSIONAL EXPERIENCE

- May, 2018 to present      **Assistant Professor**, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, India
- Sep, 2013 to May, 2018      **Assistant Professor**, Department of Geomatics Engineering, SoCEA, Adama Science & Technology University, Ethiopia
- Oct, 2012 to Aug, 2013      **Research Assistant (GIS)**, Epidemiology GIS Division  
The Inclen Trust International, New Delhi, India

## PROJECT/RESEARCH GRANTS

### On going

- Nov, 2019      GIS/GPS mapping of Waqf Properties under “Qaumi Waqf Board Taraqqiate Scheme”. Funding Agency: Central Waqf Council, Ministry of Minority Affairs.  
Role: **Co-PI**, Total Grant: INR 1.61 Crore.

### Completed

- 2015 to 2017      Ref # 7/4/N-6/8380/2015. “A Comparative Analysis of Soil Erosion Estimation Employing SWAT & RUSLE Models: A Case of Watersheds of Adama Woreda”. Funding Institute: Adama Science & Technology University, Adama, Ethiopia.  
Role: **Principal Investigator (PI)**, Total Grant: ETB 71,300.
- 2015 to 2017      Ref # 7/4/N-20/527/2015. “Modeling and Validation of Wind Farm Site Suitability Analysis: Adama II Wind Farm Using GIS Techniques”. Funding Institute: Adama Science & Technology University, Adama, Ethiopia.  
Role: **Co-PI**, Total Grant: ETB 2,20,000.

## FELLOWSHIPS AND AWARDS (Selected)

- 2008 to 2012      Non- Net Fellowship from University Grant Commission (UGC) (Government of India).
- 2012      Travel Award from CSIR (Govt. of India) for poster presentation at UCGIS-2012, Washington DC, USA.
- 2012      \$200 prize certificate from CRC Press- Taylor and Francis Group for poster presentation at Washington D.C. in UCGIS 2012.

## ORIENTATION PROGRAMME

1. Attended three weeks Orientation Programme at Academic Staff College, JMI, from 2<sup>nd</sup> Nov to 23<sup>rd</sup> Nov, 2019, New Delhi.

## PUBLICATIONS

### Journal Articles

1. **Hasan Raja Naqvi**, AS Mohammed A Athick, L. Siddiqui, MA Siddiqui (2019). Multiple Modelling to Estimate Sediment Loss and Transport Capacity Employing Hourly Rainfall and *In-Situ* Data: A Prioritization of Highland Watershed in Awash River Basin, Ethiopia. *Catena* (**Elsevier**), Vol. 182, 104173. doi.org/10.1016/j.catena.2019.104173. (IF: 4.0)
2. A.S.M. Abdul Athick, K. Shankar, **Hasan Raja Naqvi** (2019). Data on time series analysis of Land Surface Temperature variation in response to Vegetation indices in Twelve Wereda of Ethiopia using Mono window, Split window algorithm and Spectral radiance model. *Data in Brief* (**Elsevier**), <https://doi.org/10.1016/j.dib.2019.104773>.
3. NJ Howard, S Dixit, **Hasan Raja Naqvi**, A Rahman, C Paquet, M Daniel and N K Arora (2018). Evaluation of data accuracies within a comprehensive geospatial-health data surveillance platform: SOMAARTH Demographic Development and Environmental Surveillance Site, Palwal, Haryana, India. *Global Health, Epidemiology and Genomics* (**Cambridge University Press**). 3, e19, 1–10. <https://doi.org/10.1017/gheg.2018.17>
4. Tamam E, **Hasan Raja Naqvi**, Mohammed AA. (2018). Anthropogenic Impact on Land Use Land Cover: Influence on Weather and Vegetation in Bambasi Wereda, Ethiopia. *Spatial Information Research* (**Springer**). Vol. 26 (4). DOI:10.1007/s41324-018-0186-y).
5. M Sathianarayanan, ASM Athick & **Hasan Raja Naqvi** (2017). A Geospatial Approach to Interlink Seasonal Reservoirs to Mitigate Drought at Micro-Level in Sivaganga Taluk, Tamilnadu. *Journal of Remote Sensing & GIS*. Vol. 6. Pages 66-75
6. D Sewnet, **Hasan Raja Naqvi** & ASM Athick (2016). Zonation of Potential Groundwater and Its Spatial Correlation with Indices and Boreholes: Western Region of Blue Nile Basin, Ethiopia. *Journal of Remote sensing & GIS*. Volume 7, Issue 3. Pages 1-13.
7. **Hasan Raja Naqvi**, ASM Athick, HA Ganie and MA Siddiqui (2015). Soil Erosion Planning Using Sediment Yield Index Method in the Nun Nadi Watershed, India. *International Soil and Water Conservation Research* (**Elsevier**). Vol. 3. Pages 86-96.
8. ASM Athick, **Hasan Raja Naqvi** and Z Firdouse (2015). An Assessment and Identification of Avalanche Hazard Sites in Uri Sector and its Surroundings on Himalayan Mountain. *Journal of Mountain Research* (**Springer**). Vol. 12. Pages 1499-1510. DOI : 10.1007/s11629-014-3274-z. (IF: 1.423)

9. SU Latief, **Hasan Raja Naqvi**, A Alam and A Amin (2015). Morphometric Analysis of East Liddar Watershed, Northwestern Himalayas. *SSARSC International Journal of Geo Science and Geo Informatics*. Volume 2 (1). Pages 1-11
10. **Hasan Raja Naqvi**, L Siddiqui, LM Devi and MA Siddiqui (2014). Landscape Transformation Analysis Employing Compound Interest Formula in Nun Nadi Watershed, India. *The Egyptian journal of Remote Sensing and Space Sciences (Elsevier)*. Vol. 17(2). Pages 149–157.
11. LM Devi, **Hasan Raja Naqvi**, L Siddiqui, and MA Siddiqui (2014). Land use/ Land cover change detection analysis in Manipur, India. *National Geographic Journal of India, An International Peer Reviewed & refereed Journal of India*. Vol. 60 (3). Pages 245-262.
12. **Hasan Raja Naqvi**, J Mallick, LM Devi and MA Siddiqui (2013). Multi-Temporal Annual Soil Loss Risk Mapping Employing Revised Universal Soil Loss Equation (RUSLE) Model in Nun Nadi Watershed, Uttarakhand (India). *Arabian Journal of Geosciences (Springer)*. Vol. 6(10). Pages 4045–4056. DOI 10.1007/s12517-012-0661-z. (IF: (IF: 1.141)
13. **Hasan Raja Naqvi**, LM Devi and MA Siddiqui (2012). Soil loss prediction and prioritization based on Revised Universal Soil Loss Estimation (RUSLE) model using geospatial technique”. *International Journal of Environmental Protection*. Vol. 2(3). Pages 39-43.

### **Book Chapters**

1. ASM Athick, **Hasan Raja Naqvi**, N Dinsa & MI Hussain (2016). Terrain and Hydro-Morphometric Analysis for Sustainable Runoff: A study of Adama Wereda. *The Ethiopian Journal of Science & Sustainable Development (Journal of Adama Science & Technology University)*. Vol. 3 (1). Pages 5-20.
2. **Hasan Raja Naqvi**, J Khan, LM Devi, L Siddiqui and MA Siddiqui (2012). Mapping and Change Analysis of Land use and Vegetation Cover: A case study of Dehradun District. *Jamia Geographical Society*. Manak Publications, Pages 246-255.
3. HA Ganai, H Hashia and **Hasan Raja Naqvi** (2012). Flood Disaster and its management: An exploratory overview of river Jhelum in Kashmir Valley. *Environment and Sustainable Development*. Keshav Publications. Pages 69-85.

### **Conference Proceedings & Abstracts**

1. ASM Athick & **Hasan Raja Naqvi** (2016). A method for compositing MODIS images to remove cloud cover over Himalayas for snow cover mapping. Accepted for IEEE Xplore digital library (IEEE-IGARSS symposium).  
Link: <http://ieeexplore.ieee.org/document/7730279/>
2. NJ Howard, S Dixit, **Hasan Raja Naqvi**, M Vaswani, MK Das, A Rahman, M Daniel, NK Arora (2013). Evaluation of Spatial Attribute Accuracy in the Development of a Comprehensive Spatial Data System: SOMAARTH Demographic and Development

Environmental Surveillance Site, Palwal District, Haryana, India. 5th International Conference on health GIS.

### **Invited Oral Presentations (National and International)**

1. Talk on “Interpolation of spatial data and land cover/indices modeling through satellite data”. Workshop entitled “Computational Modeling Techniques and HPS Infrastructure for weather Prediction”, 2-3<sup>th</sup> July 2016 at Computing Department of ASTU, Ethiopia.
2. Presented research paper on “Prioritization of Micro Watersheds Using Silt Yield Index Method for Nun Nadi Watershed” in International Conference of Sustainable Development and Population Dynamism, 25-27<sup>th</sup> March 2012 at Aligarh Muslim University, Aligarh, India.

### **Invited Poster Presentations (National and International)**

1. A method for compositing MODIS images to remove cloud cover over Himalayas for snow cover mapping. **IGARSS-IEEE symposium -2016, Beijing, China**. Attended and presented poster as a co-author. The travel grant was supported by **organizers (\$1600) and ASTU (\$800)**.
2. Soil Loss Estimation and Sub-Watershed Prioritization Using RUSLE, RS & GIS in Gambhar Watershed of the Himalayas. **UCGIS Symposium at Washington D.C (USA)**, 30<sup>th</sup> May to 1<sup>st</sup> June, 2012. Travel grant was supported by **CSIR (Govt. of India)**.

### **Others**

1. Certificate of Appreciation for **mentoring** under graduate students for presenting work on “Role of Green Spaces on Urban Heat: A Case of Delhi” under ‘**Geographers’ Youth Conclave** on Sustainable and Innovative Environmental Practices at Shaheed Bhagat Singh College, University of Delhi from Jan 30-31<sup>st</sup>, 2020.
2. Participated in the International Conference on Smart Cities – Opportunities and Challenges held from 14<sup>th</sup> to 16<sup>th</sup> March 2019 organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi, India.
3. Participated in workshop on National Information System for Climate and Environment Studies (NICES) and its Activities from National Remote Sensing Centre (NRSC), ISRO on 29<sup>th</sup> Jan 2019, conducted at Jamia Millia Islamia, New Delhi.
4. Keynote Speaker in National Conference on Research and Innovative Trends in Applied Sciences (NCRIAS-18), Dec 22-23, 2018 organized by School of Basic & Applied Sciences, Sangam University, Bhilwara, Rajasthan.

5. Participated in the International Conference on Agriculture and Food Security in the Era of Climatic Change held from 1<sup>st</sup> to 3<sup>rd</sup> December 2018 organized by Department of Geography, Aligarh Muslim University, Aligarh, India.
6. Acted as a Rapporteur in technical session “Fluvial Geomorphology- 01” in 30<sup>th</sup> National Conference of Indian Institute of Geomorphologists (IGI) from 3<sup>rd</sup> to 5<sup>th</sup> Oct, 2018, organized by department of Geography, Jamia Millia Islamia, New Delhi.