CURRICULUM VITAE



Dr Syed Kaiser Bukhari
Associate Professor
Department of Civil Engineering
National Institute of Technology Srinagar,
Kashmir- 190 006.
8716836789, 9419025811
kaiserbukhari@nitsri.net
kaiserbukhari@gmail.com

Education

Ph.D. "Hard Rock Analysis", University of Jammu, Jammu & Kashmir, India	2000

Appointments

Lecturer, Department of Civil Engineering, National Institute of Technology, Hazratbal, Srinagar.	March, 2000
Senior Scale Lecturer, Department of Civil Engineering, National Institute of Technology, Hazratbal, Srinagar.	March, 2004
Assistant Professor, Department of Civil Engineering, National Institute of Technology, Hazratbal, Srinagar.	January, 2006
Associate Professor, Department of Civil Engineering, National Institute of Technology, Hazratbal, Srinagar.	July, 2011

Administrative Positions

Officer-in-charge Egg. Geology Lab. of Civil Engineering Department.	2000 to date
Officer-in-charge Rock Mech. Lab. of Civil Engineering Department.	2000 to date
Coordinator Attendance.	2001-2003
Officer-in-charge Departmental Library.	2003-2005
Warden M. Tech & Ph.D. Students	2004-2006
Officer-in-charge Parks and Gardens Section of the Institute.	2005-2006
Director, Physical Education Department of the Institute.	2005-2010
In charge Departmental Time Table.	2006-2008
Deputy Chief Warden Students Hostels.	2007-2008
Chief Warden Students Hostels.	2008-2010
Coordinator Exams.	2010-2012
Staff Advisor Students Messes.	2012-2014
Director, Physical Education Department of the Institute.	2014-2017
Liaison Officer SC/ST Cell NIT Srinagar.	2014 to date
Coordinator Alumni NIT Srinagar/Delhi Chapter.	2014-2018
Associate Dean, Students Activities and Sports.	2017-2019
Dean Alumni & International Affairs.	2018-2019
Faculty In-charge Institute Security.	2019 to date
Registrar	2019 to date

Professional Memberships and Activities

Member International Association of Gondwana Research, Kerela / and Japan.

Member Indian Geologists Association Chandigarh.

Member Indian Society of Technical Education, New Delhi.

Fellow Geological Society of India, Bangalore.

Life Member Indian Concrete Institute, Chennai.

Educational Activities

Courses Taught at UG Level

1. Building Materials (3rd Sem Civil Engineering)
2. Geology and Mineralogy (3rd Sem Mett. Engg.)
3. Engineering Geology (4th Sem Civil Engineering)
4. Engineering Seismology (5th Sem Civil Engineering)
5. Tunneling (8th Sem Civil Engineering)
6. Rock Mechanics and Tunneling Technology (8th Sem Civil Engineering)

Courses Taught at PG Level

Rock Mechanics and Tunneling Technology (MTech Geotechnical Engineering Dept of Civil Engineering)

Have Guided more than 30 Projects at B. Tech level.

Short Term Courses Attended

- Participated in one-day workshop on "Recent Trends in Engineering and Technology" organized by Research and Development Committee of NIT, Srinagar on 16th Nov. 2011.

- Participated in Short Term Course on "Computer Numerical Control Machines" conducted by the Mechanical Engineering Department, NIT, Srinagar from 17-09-2012 to 21-09-2012.

- Participated in one-day workshop on "Promoting Innovations in Individuals, Start-ups and Micro, Small and Medium Enterprises (PRISM) and Technopreneurship Promotion Progamme (TePP) Sensitization" conducted by TePP Outreach Centre (TUC) USIC, University of Kashmir in collaboration with the Mechanical Engineering Department, NIT, Srinagar on 13-10-2012.

- Participated in two days International Workshop on" Innovations in Repair and Rehabilitation of Structures" during December 17-18, 2012 at CPWD Training Institute, Ghaziabad.

- Participated in one-day workshop on NME-ICT awareness sponsored by MHRD and organized by National Institute of Technology Srinagar, June 2013.

- Participated in structural health monitoring short course nit Silchar 6-14 January 2014
- Attended World 2nd congress on Accreditation Dehli 8-10 march 2014

- ❖ Conducted workshop on Physical Education at NIT Srinagar august 2016

Publications **(Associate Professor onwards)**

1. Lone BA and **Bukhari SK** Kinematic Analysis of Landslides Along National Highway 1B Between Batote and Doda NW Himalaya. *i-manager's Journal on Civil Engineering*, Vol. 1 No. 2 March - May 2011, pp14-26.

2. **Bukhari SK Sharma N** and Lone BA Soil Improvement by the Use of Waste Plastic Material. *i-manager's Journal on Civil Engineering*, Vol. 2 No. 1 December, 2011 - February, 2012 pp30-39.

3. **Bukhari SK** and B A Lone Pollution Studies of Some Important Springs of Zabarwan Mountains and their Impact on Dal Lake Waters, Kashmir, India. *i-manager's Journal on Civil Engineering*, Vol. 3 No. 2 March - May, 2013 pp10-16.

4. **Bukhari SK**, Ayaz Mohmood Dar, Maqbool Yousuf: Development of modified Jute Reinforced Concrete: An overview, *i-manager's Journal of Structural Engineering*, 6 (1), December 2015 - February 2016

5. **Bukhari SK**, Ayaz Mohmood Dar, Maqbool Yousuf: Tunnel construction in Pir Panjal (Himalaya) using NATM (Case study T-74R railway tunnel of Katra-Banihal section of Kashmir rail project), *i-manager's Journal on Civil Engineering*, 6(1) December 2015 - February 2016

6. **Bukhari SK**, Ayaz Mohmood Dar, Maqbool Yousuf: A Study of PaperCrete towards Building Sustainable & Resilient Infrastructure, *i-manager's Journal on Structural Engineering*, 5(2), June-August 2016

7. **Bukhari SK**, Ayaz Mohmood Dar, Maqbool Yousuf: Seismic vulnerability of century old buildings of Srinagar city, Kashmir Himalaya, India*, i-manager's Journal on Civil Engineering*, 7(1), December 16 - Febuary17

8. Dar AM, Lasitha S, **Bukhari K**, Yousuf M: Delineating Deep Basement Faults in Eastern Dharwar Craton through Systematic Methods of Geophysics and Remote Sensing vis-à-vis the Concerns of Moderate Seismicity. *J Geogr Nat Disast* 7: 184. 2017 doi: 10.4172/2167-0587.1000184

9. Ayaz Mohmood Dar, **Kaiser Bukhari**, Maqbool Yousuf, Sarvat Gull (2018) Consequences and hazard assessments of natural catastrophes. A case study from Ganderbal district-NW Himalaya, July 2018, *Disaster Advances* 11:25 **(SCOPUS)**

10. Maqbool Yousuf, **Syed Kaiser Bukhari**, Ayaz Mohmood Dar, Abaas Ahmad Mir (2018) Seismic Vulnerability Assessment of major construction pattern of the of Srinagar city. *International Journal of Advanced Research in Science and Engineering*, Vol 7(4). (**UGC**)

11. Ayaz Mohmood Dar, **Kaiser Bukhari**, Maqbool Yousuf (2018) Earthquake consequences & micro-seismicity of Kashmir valley. An estimation of future risks& safety. *International Journal of Advanced Research in Science and Engineering*, Vol 7(4), (**UGC**)

12. **Bukhari, S. K.,** Maqbool, Y., & Dar, A. M. (2018). A study of seismic resilience and construction techniques of Srinagar city, Jammu and Kashmir, India. *Disaster Advances*, 11(10), 26-36. **(SCOPUS)**

13. **Bukhari, S. K.,** (2019) Spatio-Temporal Land Use/Land Cover Dynamics In Ningli Watershed Of Jehlum Catchment In Kashmir Valley, North Western Himalaya Using Remote Sensing & Gis. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* **(SCOPUS)**

14. **Bukhari, S. K.,** (2019) Magnetic susceptibilities and fault surface anomalies. The study of land magnetic data & Interpretations. *International Journal of Recent Technology and Engineering (IJRTE)* **(SCOPUS)**

15. Yousuf, M., & **Bukhari Kaiser, S.** (2019). Impact of geological and environmental complexities over infrastructure development in Kashmir Himalaya. *Disaster Advances*, 12(4), 29-40. **(SCOPUS)**

16. **Bukhari, S. K.,** (2019). Potential alkali silica reactivity of aggregates from different sources of Kashmir and mitigation measures thereof. *Asian Journal of Civil Engineering*, 20(3), 437-442. (Springer) **(SCOPUS)**

17. Mohmood, D. A., & **Kaiser, B.** (2019) Earthquake phenomenon and the delineation of Faults/ Lineaments through remote sensing techniques. A case study from Himalayan segment, *Journal of Civil Engineering and Environmental Technology*, 6(4):203-209.

18. Yousuf, M., **Bukhari, S. K**., Bhat, G. R., & Ali, A. (2020). Understanding and managing earthquake hazard visa viz disaster mitigation strategies in Kashmir valley, NW Himalaya. *Progress in Disaster Science*, 5, 100064. (Elsevier) **(SCOPUS)**

19. Yousuf, M., & **Bukhari, K.** (2020). Hazard estimation of Kashmir Basin, NW Himalaya using probabilistic seismic hazard assessment. *Acta Geophysica*, *68*(5), 1295-1316. (Springer) **(SCOPUS and SCI)**

20. Yousuf, M., & **Bukhari, K.** (2020). Evaluation of seismically induced Soft Sediment deformation structures vis-a-vis their probable earthquake sources in Kashmir basin, NW Himalaya. *Journal of Earthquake and Tsunami*, 2150003. **(SCOPUS and SCI)**

21. Mohmood, D. A., & **Kaiser, B.** (2020) Probability assessment of seismicity in Kashmir valley based on Extreme Value Theory. 13(12):92-97. *Disaster Advances*, **(SCOPUS)**

22. Dar, A. M., & **Bukhari, S. K.** (2020). Characteristics of magnetic anomalies and subsurface structure constraints of Balapur fault in Kashmir basin, NW Himalaya. *Physics of the Earth and Planetary Interiors*, 309, 106599. (Elsevier) **(SCOPUS and SCI)**

23. Mohmood, D. A., & **Kaiser, B.** (2020) Image analysis and Geospatial risk assessment of seismicity in Kashmir Basin, NW Himalaya. *Disaster Advances* 13(6):64-76, **(SCOPUS)**

Abstracts and Presentations **(Associate Professor onwards)**

Some Major Historical Earthquakes in Kashmir Himalaya: Their Implication to Earthquake Risk Assessment of Jammu and Kashmir, 12th JK Science Congress, March 02-04, 2017 Jammu, India

Understanding risks and risk based models in Kashmir Basin with high consequences of natural catastrophes 12th JK Science Congress, March 02-04, 2017 Jammu, India

Landslide hazard and risk analysis of National Highway-1A (NH-1A) from Jammu to Anantnag: implications to Landslide risk reduction, *Sixth Indian Young Geotechnical Engineers conference 6IYGEC2017 10-11 March 2017, NIT Trichy, India.*

An Introduction to the methodology of remote sensing and GIS for the consideration of civic-infrastructure in Indian subcontinent. A Case studies from Kashmir Basin. *Sixth Indian Young Geotechnical Engineers conference 6IYGEC2017 10-11 March 2017, NIT Trichy, India.*

Seismic Vulnerability Assessment of major construction pattern of the of Srinagar city,*1ST International Conference on Recent Developments in Science, Humanities and Management-2018.*

Earthquake consequences & micro-seismicity of Kashmir valley: An estimation of future risks & safetycity,*1ST International Conference on Recent Developments in Science, Humanities and Management-2018.*

Watershed characterization of the Sandran catchment of Jhelum basin using Remote Sensing & GIS, *National Seminar on Dynamics of Surface and Subsurface Geological Processes, Pondicherry University, February, 8-9, 2018.*

Ground Water Quality Mapping in Shiwalik Himalayas, Jammu using Geostatistical Approach, *National Seminar on Dynamics of Surface and Subsurface Geological Processes, Pondicherry University, February, 8-9, 2018*.

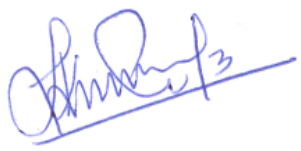
Neotectonics and related crustal deformation in Kashmir Himalaya, India: Implications to strain partioning on out of sequence thrusting, *National Seminar on Dynamics of Surface and Subsurface Geological Processes, Pondicherry University, February, 8-9, 2018.*

Remote sensing and GIS for delineating faults vis-a-vis monitoring the consequences of Himalayan cities, *National Seminar on Dynamics of Surface and Subsurface Geological Processes, Pondicherry University, February, 8-9, 2018.*

Quaternary crustal deformation on Active out-of-sequence thrust faults in Kashmir Himalaya, *13th JK Science Congress, April 02-04, 2018, Kashmir, India.*

Himalayan Earthquakes & Disaster consequences. A case study from Ganderbal district, Jammu & Kashmir, *13th JK Science Congress, April 02-04, 2018, Kashmir, India.*

Magnetic Susceptibilities and Sub-surface Analysis,*5th International Conference on Nanotechnology for better living, 2019, NIT Srinagar.*



S. K. BUKHARI
Department of Civil Engineering
National Institute of Technology
Hazratbal, Srinagar – 190 006.