Name: BEEPENDRA SINGH
Roll No: PHD/RS/10001/2017
Email id: beependrasingh@yahoo.com
Research Topic: Climate Change Impact and Vulnerability Assessment of Deciduous Forests in Central India
Educational Qualification: M.Sc GeoInformatics
Skills

- R programming Statistical & Computing Software time series analysis, smoothing, analysis trends and statistical analysis for MODIS datasets.
- Temporal Analysis (TIMESAT) with Matlab and knowledge of Python.
- Programming in C & C++
- Pre-Processing and Processing of satellite data like Landsat MSS, TM, ETM+, MODIS, SPOT– vegetation Indies, temperature, TRMM-rainfall, Climate Hazards Group InfraRed Precipitation with Station data (CHIRPS), ASTER DEM, IRS LISS III and IV.
- Arcgis Software, Movement Ecology Tools for Corridor Mapping and Home Range Analysis.
- ENVI for tools like linear spectral unmixing and change vector analysis.
- Opens source software QGis, ILwis, Multispec and SAGAGIS.
- Definite Decision-Making Software, Fragstats Pattern Analysis Software and Idrisi.
- Laying transects and Quadrats for vegetation sampling, biomass estimation, regeneration and fuel load estimation.

Experiences:

7 Years Research Experience + **1 year** of Teaching Experience (Which Includes **3 years of PhD (Pursuing) Research experienced From June, 2017 till Date**)

- **Research Scholar (Pursuing Full Time Ph.D.),** Department of Remote Sensing Birla Institute of Technology, Mesra, Ranchi, Jharkhand-835215 India. **From 7th July 2017 to till date.**

- **Research Associate,** Asian Nature Conservation Foundation (ANCF) c/o Centre for Ecological Sciences, 3rd floor, Biological Sciences Building, Indian Institute of Science, Bengaluru, Karnataka 560012. **From 1st September, 2016 to 4th July 2017.**

- **Junior Research Fellow,** Prof. R. Sukumar Lab TE 13, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru -560012, India. **From 24th June 2013 to 31st August 2016.**

- Pokharel, S. S., **Singh, B.**, Seshagiri, P. B & Sukumar, R. (2018). Lower levels of glucocorticoids in crop-raiders: diet quality as a potential 'pacifier' against stress in free ranging Asian elephants in a human-production habitat. *Animal Conservation.* ISSN, 1367-9430.
- **Singh, B** and Jeganathan, C and Rathore.V.S. (2018). Remote Sensing Technology for Monitoring and Modelling Ecological Processes. *Taurian Innovative Journal.* 1(1); 61-68.
- **Singh, B** and Jeganathan. C (2016) Spatio-temporal forest change assessment using time series satellite data in Palamu District of Jharkhand, India. *Journal of Indian Society of Remote Sensing.* DOI: **10.1007/s12524-015-0538-1.**

Achievements:
- **5th Position** in Under Graduate Examination (Geography) Under **Mizoram University**, India
- Secured **2nd highest mark** in Geography in class XII, **Mizoram Broad of School Education** (MBSE)

Hobbies:
- Jogging / Walking, Cycling, Football, Volleyball, Chess, Carrom, Table-tennis, Badminton and Adventure Trekking.