

## RESUME

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**Address** : Assistant Professor, Department of Agricultural Engineering,  
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### EDUCATIONAL QUALIFICATIONS:

Degree	Year of Passing	University/ Institution	Marks/ OGPA
B. Tech (Agricultural Engineering)	2012	North Eastern Regional Institute of Science and Technology	72.8%
M. Tech (Soil and Water Conservation Engineering)	2014	North Eastern Regional Institute of Science and Technology	85.6%
Ph.D (Soil and Water Conservation Engineering)	2018	North Eastern Regional Institute of Science and Technology	76 %

### DISSERTATION TITLE

**Identification and Characterization of Meteorological Drought in Different Agro-Climatic Zones of Assam**

### RESEARCH PAPERS:

- 1) **Hangshing, L. and Dabral, P. P. (2018).** Identification of meteorological drought trends for agro- climatic zones of Assam. *Proceeding of International seminar of Land and Water Issues in South East Asia: Status, Challenges and Opportunities.* pp11-24.
- 2) **Hangshing, L., Dabral, P.P (2018).** Multivariate frequency analysis of meteorological drought using copula. *Water Resourc Manage.*<https://doi.org/10.1007/s11269-018-1901-0>.
- 3) **Hangshing, L. and Dabral, P. P. (2017).** Meteorological drought analysis using percentage of departure of actual rainfall from normal for Hill zone - An agro climatic zone of Assam. *Natural Resource Management for Climate Smart Sustainable Agriculture* Editors: Sanjay Arora, Sanjay Swami, Suraj Bhan), *Soil Conservation Society of India.* pp 407-418.
- 4) **Hangshing, L. and Dabral, P. P. (2017).** Characterisation of Meteorological drought using Standard Precipitation Index. *Natural Resource Management for Climate Smart Sustainable Agriculture* (Editors: Sanjay Arora, Sanjay Swami, Suraj Bhan), *Soil Conservation Society of India.* pp 391-406.

- 5) **Dabral, P.P, Hangshing, L. (2017).** Analysis of change point of rainfall and its trend in Doimukh (Itanagar), Arunachal Pradesh. *Journal of Soil and Water Conservation, Vol 16, No 4, pp 370-379, 2017.*
- 6) **Hangshing, L., Dabral, P.P (2017).** Characterization, trend assessment and copula based bivariate modeling of meteorological drought for central Brahmaputra valley- an agro climatic zone of Assam, *Journal of Indian Water Resources Society. Vol 16, No 4, pp 370-379*
- 7) **Dabral P.P, Jhajharia D, Mishra P, Hangshing L, Doley B.J, (2014).** Time Series Modelling of Pan Evaporation: A Case Study in the Northeast India, *Global NEST Journal, Vol 16, No 2, pp 280-292, 2014.*
- 8) **Hangshing, L., Mishra, P. and Bhadra, A. (2014).** Estimation of Optimum Number of Rain Gauges for Arunachal Pradesh. *Proceeding of National Conference on Emerging Technology Trends in Agricultural Engineering.* pp 428-435.

#### **PARTICIPATION ON WORKSHOP/TRAINING**

- 1) One day State Level Workshop on **“Spring shed Management in the North-Eastern state of the Indian Himalayan Region”** organized by the Land Resources Department, Nagaland in collaboration with Water Resources Development and Management (ACWADAM) at the Capital Convention Centre Kohima, Nagaland on the 29<sup>th</sup> May, 2019.
- 2) Two days’ training and workshop on **“Hydro-Meteorological monitoring and watershed management”** organized by the Land Resources Department, Nagaland at Land Resources Department’s Resource Centre, Ruzaphema, Nagaland on 15<sup>th</sup> and 16<sup>th</sup> March, 2019
- 3) Two days’ program on **“Sensitization Workshop under DST Women Scientist Scheme”** organized by DST-KIRAN at SASRD, Nagaland University, Medziphema, Dimapur, Nagaland, during 4<sup>th</sup> to 5<sup>th</sup> march, 2019.
- 4) Attended the two days **Industry Institute Interaction Workshop on Ergonomics, Safety and Occupational Health** at NERIST, Nirjuli, Arunachal Pradesh held on 30<sup>th</sup> September to 1<sup>st</sup> October, 2016.
- 5) Attended a **THIRD ONE-DAY INDEST USER CONVENTION (E-Journals user Training Workshop)**, at NERIST, Nirjuli, Arunachal Pradesh held on 19<sup>th</sup> January, 2013.
- 6) Attended a **Summer Industrial Training** in the Division of Agricultural Engineering, CIAE Bhopal, Madhya Pradesh from 1<sup>st</sup> June to June 30<sup>th</sup> 2011.

#### **PARTICIPATION ON NATIONAL /INTERNATIONAL CONFERENCE:**

- 1) Presented a lead paper on **Identification of meteorological drought trends for agro climatic zones of Assam.** (*International seminar on Land and Water issues in South East Asia: Status, Challenges and Opportunities*). To be held during 18<sup>th</sup> to 20<sup>th</sup> January, 2018 at NERIWALM, Tezpur.
- 2) Presented a **Meteorological drought analysis using percentage departure of actual rainfall from normal for Hill zone- an agro climatic zone of Assam.** (Poster presentation 26<sup>th</sup> National conference of SCSI on *“Natural Resource Management for Climate Smart Sustainable Agriculture”* 11<sup>th</sup> to 13<sup>th</sup> September 2017, CPGS, CAU (I), Barapani, Shillong Meghalaya)

- 3) Presented a paper on **Characterization of meteorological drought using standardized precipitation Index**. (Lead paper presented - 26th National conference of SCSI on “*Natural Resource Management for Climate Smart Sustainable Agriculture*” 11<sup>th</sup> to 13<sup>th</sup> September 2017, CPGS, CAU (I), Barapani, Shillong Meghalaya)
- 4) Presented a paper on Estimation of **Optimum Number of Rain Gauges for Arunachal Pradesh** in *National Conference on Emerging Technology Trends in Agricultural Engineering*, held at NERIST during 7<sup>th</sup> to 9<sup>th</sup> November, 2014.

### **EXPERIENCE**

Guest Faculty at School of Agricultural and Rural Development, Nagaland University, from February 2019 to December 2020.