

Curriculum vitae



Sasanka Borah

Assam Engineering College

Personal data

Name: Sasanka Borah
Born: November 6, 1979 in Lakhimpur, Assam , India
Nationality: Indian
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Education

2017 PhD , Gauhati University, Assam, India
2006 Master of Engineering (ME), Gauhati University, Assam, India
2001 Bachelor of Engineering (Civil Engineering), Assam Engineering College, Gauhati Univ.

Employment record

since Mar/2011 Assistant Professor, Department of Civil Engineering, Assam Engineering College, Guwahati, Assam, India
2011 – 2011 Assistant Professor, Department of Civil Engineering, Jorhat Engineering College, Jorhat, Assam, India
2007 – 2011 Assistant Engineer (Civil), Irrigation Department, Govt of Assam, India
2007 – 2007 Assistant Manager(Civil), Namrup Thermal Power Station(NTPS), Assam, India
2006 – 2007 Consultant and Design Engineer, Experto Geotechnical Consultants and Research Pvt. Ltd., Guwahati, Assam, India.
2005 – 2006 Laboratory Assistant, Department of Civil Engineering, Assam Engineering College under a DST sponsored project.

Membership in Professional Associations:

Life Member – Indian Geotechnical Society (IGS)
Associate Member – American Society of Civil Engineers (India Section)

Academic and Industry activities

Project management and industry-related activities

- since 2016 Member of Govt .of Assam (ASDMA) funded project - "Earthquake Damage and Loss Estimation of Guwahati City for Scenario Earthquakes – a step towards Real-Time Earthquake Damage and Loss Information System" (short ELIAS)" in collaboration with NORSAR (Earthquake Hazard and Risk, Stiftelsen NORSAR, Norway) and supported by IIT Roorkee.
- since 2012 Coordinator, State Technical Agency(STA), Assam Engineering College, Pradhan Mantri Gram Sadak Yojana (PMGSY), MoRD, Govt. of India responsible for scrutiny of DPRs related to construction of rural roads under . for Assam Public Works Department.
- 2017 Nodal Officer-Finance in TEQIP-III Project in Assam Engineering College
- 2017 Resource Person-Short Course on Construction Management for professionals in Assam Engineering College in Collaboration with University of Melbourne, Australia.
- 2017 Resource Person-2nd Annual Workshop on Smart Villages, organized by Assam Engineering College in Collaboration with University of Melbourne, Australia.
- 2016 Resource Person-1st 2nd Annual Workshop on Smart Villages, organized by Assam Engineering College in Collaboration with University of Melbourne, Australia.
- 2016 Coordinator-Training Programme on Earthquake Resilient Technology for Engineers, funded by Assam State Disaster Management Authority (ASDMA), Govt. of Assam, India.

Teaching and guidance

- Since 2016 Periodically organizing/assisting in organizing short-term training programmes for in-service and practicing engineers for various government departments in Assam and other states of NE India, sponsored by ASDMA.
- Since 2011 Guiding 6 B.E. student groups/7 M.E. students for their theses/dissertations on of topics related to Geotechnical earthquake engineering, site response studies and Geotechnical utilization of waste materials.
- Since 2011 Regularly teaching under graduate and post graduate courses on Engineering Surveying, Geotechnical Engineering, Geotechnical In-situ Testing and Instrumentation and Earthquake engineering.

Research interests

Geotechnical Earthquake Engineering, Site Amplification, Site Response Analysis, Site-Specific Development of Design Response Spectra, Seismic vulnerability and risk analysis and Waste Material utilization.

Languages

Assamese – mother tongue, English – fluent ; Hindi - can speak; Bengali/Nepali: Can understand

Recent Publications:

- Borah, S. and Doloi, H. (2018), "Sustainable Construction in the Context of Smart Villages in Assam", *Zero Energy Mass Custom Home (ZEMCH) 2018 International Conference, University of Melbourne, Australia, 29th January – 1st February, 2018.*
- Choudhury, S., Baishya, P. and Borah, S. (2017), "Effect of Lime-Mud on Consolidation Characteristics of Soil", *Indian Geotechnical Conference 2017 GeoNEst, 14-16 December, 2017, IIT Guwahati, India.*
- Borah, S., Goswami, D. And Pathak, J. (2016), "Site Response in Guwahati Region using Standard Spectral Ratio", *International Journal of Research in Engineering and Tehnology, Vol. 5, No 4, pp.77-81.*
- Borah, S., Goswami, D. And Pathak, J. (2016), " Site Response Analysis : Guwahati City and CMP 2025", *6ICRAGEE, 6th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, August 1 – 6, 2016, IIT Roorkee Extension Centre, 20 Knowledge Park II, Greater Noida, India .*
- Borah, S., Goswami, D. And Pathak, J. (2016), "Site Amplification: A study in Guwahati Region", *16th World Conference in Earthquake Engineering, Chile. (Abstract only)*
- Das, N.J., Deori, M. & Borah, S. (2016), "Site Response Analysis: A case study of Guwahati city", *1st International Conference on Civil Engineering for Sustainable Development-Opportunities and Challenges, 19-21 Dec, 2016, Assam Engineering College, Guwahati, Assam.*
- Borah, S., Goswami, G. & Pathak, J. (2016), "Site Response Studies for Sustainable Urban Planning - A Case Study of the Western Guwahati Region", *1st International Conference on Civil Engineering for Sustainable Development-Opportunities and Challenges, 19-21 Dec, 2016, Assam Engineering College, Guwahati, Assam.*
- Bordoloi, S., Yamsani, S.K., Garg, A. & Borah, S (2015), "Study on the efficacy of harmful weed species *Eicchornia crassipes* for soil reinforcement", *Ecological Engineering, Vol 85, pp. 218-222.*
- Bordoloi, S., Yamsani, S.K., Sreedeeep, S. & Borah, S. (2015), "Effect of compaction state on strength characteristics of fibre reinforced soil", *5th Indian Young Geotechnical Engineers Conference (5IYGEC), 14-15 March, 2015, Vadodara.*
- Baruah, B & Borah, S. (2015), "Effect of Lime-mud on undrained shear strength of soil" *5th Indian Young Geotechnical Engineers Conference (5IYGEC), 14-15 March, 2015, Vadodara.*
- Wahab, S.A., Sharma, A.K., Kalita, M. & Borah, S. (2015), "Ground Subsidence due to Tunnelling and Effects on Pile Foundations", *Journal of Applied and Fundamental Sciences, Vol 1(2), pp. 237-244.*