CURRICULUM VITAE

Dr. Prasenjit Debnath

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Department	***Civil Engineering***
Designation	***Assistant Professor***
Qualification	***PhD (NIT Silchar)***
Currently Teaching Subject	***Foundation Engineering; Geology and Rock Mechanics; and Green Building Technology***
Specialization	***Geotechnical Engineering***
Area of Interest	***Ground Improvement Technique, Statistical Analysis, Finite Element Method, Soft Computing Technique***
Year of Joining to TIT	***2018***

Membership of Scientific / Engineering Bodies:

Life Member, Indian Geotechnical Society (IGS)

Research Publications:

Google Scholar Citations	37
Google Scholar h-index	04
Google Scholar i10-index	02
Researcher ID :	O-9058-2017
Scopus ID :	57189497668
Google Scholar ID :	vmG2UUgAAAAJ
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In Refereed International Journals:

1. Prasenjit Debnath and Ashim Kanti Dey (2018); "Prediction of Bearing Capacity of Geogrid Reinforced Stone Columns Using Support Vector Regression", International Journal of Geomechanics, **ASCE**, (ISSN: 1532-3641, **Impact Factor: 2.332**/2017) USA, Vol. 18, No. 2, doi: 10.1061/(ASCE)GM.1943-5622.0001067.
2. Prasenjit Debnath and Ashim Kanti Dey (2017); "Bearing capacity of geogrid reinforced sand over encased stone columns in soft clay", Geotextiles and

Geomembranes, (ISSN 0266-1144, **Impact Factor: 3.715**/2017) **Elsevier**, U.K., Vol. 45, No. 6, pp. 653-664, doi: 10.1016/ j.geotexmem.2017.08.006.

3. Prasenjit Debnath and Ashim Kanti Dey (2017); "Bearing capacity of reinforced and unreinforced sand beds over stone columns in soft clay", Geosynthetics International, (ISSN 10726349, **Impact Factor: 2.60**/2016) **ICE**, U.K., Vol. 24, No. 6, pp. 575–589, doi: 10.1680/jgein.17.00024.
4. Prasenjit Debnath and Ashim Kanti Dey (2017); "Prediction of laboratory peak shear stress along the cohesive soil–geosynthetic interface using artificial neural network", Geotechnical and Geological Engineering, (ISSN 0266-1144) **Springer**, Netherlands, Vol. 35, No. 1, pp. 445-461, doi: 10.1007/s10706-016-0119-2.
5. Ashim Kanti Dey, Prasenjit Debnath (2019); "Empirical approach for bearing capacity prediction of geogrid reinforced sand over vertically encased stone columns floating in soft clay using support vector regression", Neural Computing and Applications, **Springer**, (ISSN: 0941-0643, **Impact Factor: 4.213**/2017) USA, doi: 10.1007/s00521-019-04092-1.
6. Prasenjit Saha, Prasenjit Debnath and Paul Thomas (2018); "Prediction of fresh and hardened properties of self-compacting concrete using support vector Regression approach", Neural Computing and Applications, **Springer**, (ISSN: 0941-0643, **Impact Factor: 4.213**/2017) USA, doi: 10.1007/s00521-019-04267-w.

In Refereed International Conference Papers

1. Ashim Kanti Dey and Prasenjit Debnath (2015); "Static and dynamic behaviours of geocell reinforced soft clay ", Japanese Geotechnical Society Special Publication, (ISSN: 2188-8027) Japan, Vol. 2(2015), No. 66, pp. 2248-2253, doi: http://doi.org/10.3208/jgssp.IND-29.
2. Prasenjit Debnath and Ashim Kanti Dey (2016). "Minimum cost based probabilistic design procedure for soft soil improvement with stone column". The Second International Conference on Emerging Trends in Engineering Research (ICETER'16), 2016, Vels University, Chennai.
3. Prasenjit Debnath and Ashim Kanti Dey (2018). "An experimental study to increase bearing capacity and reduce bulging of stone columns using geogrid reinforced sand bed". 11th International Conference on Geosynthetics (11ICG), September 16 - 21, 2018, Coex, Seoul, Korea.

In Refereed National Conference Papers

1. Ashim Kanti Dey and Prasenjit Debnath (2014). A Study on Dynamic Behaviour of Geocell Reinforced Clay - Indian Geotechnical Conference, Kakinada, A.P. 18-20 December, pp - 950- 956.