

Faculty Profile

Faculty Name : Dr Tanvi Singh

Designation : Head of Department

Qualification : PhD

Current Address : wz139, First floor D/5, Gali no. 12, New Mahaveer Nagar, Pin 110018

Phone 1 (office) : 7206213304

Phone 2 (office) :

Email : tanvi.civil@piet.co.in

Area of Interest: Batter Piles

Experience:

- **Teaching : 4 years**
- **R & D Organization / Industry : 4years**

Research Publications

1. Journals:

1. International: 4
2. National:

2. Conference / Seminar / Symposia etc.:

1. International: 3
2. National: 6

3. Books / Monographs / Manuals (including year & publisher):

Professional Membership:

Main Courses Taught:

- **P.G. : B.tech Civil**
- **U.G.: M.Tech Civil**

Reviewer for following International Journal:

Geotechnical and Geological Engineering. (SCOUPS)

KSCE Journal of Civil Engineering.

Publications:

International Journal:

1. Singh, T., Pal, M., & Arora, V. K.(2017) Modeling of Oblique Load Test on Batter Pile Group Based on Support Vector Machines and Gaussian Regression. *Geotechnical and Geological Engineering*, 36(3),1597-1607 <https://doi.org/10.1007/s10706-017-0413-7> (IF =1.75) (**Scopus**.)
2. Tanvi Singh**, Mahesh Pal*, V.K. Arora* (2018) Modeling Oblique Load Carrying Capacity of Batter Pile Groups using Neural Network, Random Forest Regression and M5 Model Tree in *Frontiers Structure of Civil Engineering* , accepted on March 9, 2018 (IF=0.72)<https://doi.org/10.1007/s11709-018-0505-3> (**Scopus**)
3. Singh, T., Pal, M., & Arora, V. K. (2017). Ultimate Capacity of Battered Pile Groups Subjected to Oblique Pullout Loads in Sand. *International Journal of Geosynthetics and Ground Engineering*, 3(3), 28. (2017)(**Springer publication**) DOI 10.1007/s40891-017-0103-9
4. Singh, T., Pal, M., & Arora, V. K (2018) Prediction Of Lateral And Oblique Load For Batter Pile Groups Using GRNN, NN And ANFIS (under review)

International Conferences:

1. Singh, T., Pal, M., & Arora, V. K (2018) Prediction Of Oblique Load For Batter Pile Groups Using Adaptive Neuro-Fuzzy Interface System And Neural Network, In *Proceeding of International conference on advance in construction materials and structure (ACMS-2018),IITRoorkee, India, 7th-8th March*
2. Singh, T., & Arora, V. K. (2017). Influence of pile inclination on batter pile groups subjected to lateral loading in sand. In *Proceedings of 29th research world international conference, Las Vegas, USA, 16th–17th March.*
3. Singh, T., & Arora, V. K. (2017). Effect Of Batter Angle On Batter Pile Groups Subjected To Lateral Loading In *Proceedings of 5th international conference on civil and urban engineering, Barcelona, Spain, 11th–13th March.*

National Conferences:

1. Singh, T., Patel, M., & Behal. K (2019) Removal of Benzene and Toluene Using Bacterial Biofilters, In *Proceeding of National conference on advance in chemical and environment engineering (ACEE-2018),NIT Jalandhar, India, 23rd -24th March*
2. Goyal, Y., Singh,S., Singh T(2019).Review On Use Of Geotextile To Enhance The Engineering Property Of Subgrade Soil In *Proceeding of Recent Advances in Material Science and Engineering (ACEE-2018),NIT Jalandhar, India, 28th -29th March*

3. Singh, T., & Behal, K (2019) Biodegradation Of Odor Causing Compound By Bacterial Biofilters, In *Proceeding of Recent Advances in Material Science and Engineering (ACEE-2018), NIT Jalandhar, India, 28th -29th March*
4. Alimunnisa S., Arora, V. K. Singh, T. (2017) Experimental Study Of Piled Raft Foundation In *Proceedings of National Conference on Recent Developments in Civil, Environmental and Geotechnical Engineering 2017 MNIT, Jaipur, India, September 23-24, MNIT, Jaipur. 2017.*
5. Mishra P., Arora, V. K. Singh, T. (2017) Experimental Study Of Piled Raft Foundation In *Proceedings of National Conference on Recent Developments in Civil, Environmental and Geotechnical Engineering 2017 MNIT, Jaipur, India, September 23-24, MNIT, Jaipur. 2017.*
6. Singh T (2013) Batter Pile In *Proceedings of Global Conference In Recent Trend In Civil Engineering Shree Siddhivinayak Groups Of Institution Yamuna Nagar, Shahpur, Haryana India June 13*

PhD Thesis

- Completed: NIL

M. Tech. Thesis

- 2

Books

- List: NiL

Administrative Contribution:

Awards :

- List

Foreign Visits:

- List