

LIST OF PUBLICATIONS

Peer-Reviewed Journals:

1. **Bhartiya, R.**, and Sahoo, D. R. (2021). "Prediction of axial compression behavior of rectangular RCFST columns with confining ties." *Journal of Constructional Steel Research*, 186, 106920. (IF-4.349)
2. **Bhartiya, R.**, Sahoo, D. R., and Verma, A. (2021). "Modified damaged plasticity and variable confinement modelling of rectangular CFT columns." *Journal of Constructional Steel Research*, 176, 106426. (IF-4.349)
3. **Bhartiya, R.**, Oinam, R. M., Sahoo, D. R., and Utkarsh, K. (2021). "Modified confinement model for monotonic axial behavior of concrete-filled tubular columns." *Journal of Constructional Steel Research*, 180, 106570. (IF-4.349)
4. **Bhartiya, R.**, Sahoo, D. R., and Oinam, R. M. (2023). "Cyclic axial stress-strain model for circular CFST columns under compression loading" *Soil Dynamics and Earthquake Engineering*, 164, 107588. (IF-4.25)

Conference Proceedings:

1. **Bhartiya, R.**, Sahoo, D. R., and Oinam, R. (2020). "Influence of length-to-depth ratio on monotonic compression behaviour concrete-filled tubular columns." *Proceedings of the fib Symposium 2020: Concrete Structures for Resilient Society*, 392–398.
2. Abhilash, M., **Bhartiya, R.**, Oinam, R., and Sahoo, D. R. (2022). "Comparative study on mitigation of soft storey effects by FRP wrapping and addition of shear-walls", *Proceedings of the Socio-Technological Aspects of Seismic Disaster and its Mitigation (STASDM)*, IIT Guwahati.