

FACULTY PROFILE



Name	<i>Dr. Supantha Paul</i>
Department	<i>Civil Engineering</i>
Phone	9082254820 (M)
E-mail Id	supanthapaul@gmail.com
Designation	<i>Assistant Professor</i>
Association with the Institution	<i>TEQIP-III (NPIU, MHRD) Faculty</i>
Qualification	<i>Ph.D IIT Bombay, M-Tech IIT Delhi</i>
Currently Teaching Subject	<i>Structural Analysis, Disaster Management, Environmental Studies</i>
Specialization	<i>Environmental Engineering, Atmospheric Science, Numerical Modelling of Earth's Climate</i>
Area of Interest	<i>Environmental Engineering; Extreme Weather Prediction, Regional Climate modelling</i>
Year of Joining to TIT	<i>January, 2018</i>
Teaching Experience (Years)	<i>Three(3)</i>
Award/ Achievements/ Other	<i>Excellence in Doctoral Thesis Award on 57th Convocation, 2019. at IIT-Bombay, Mumbai-400076 Recipient of MHRD Scholarship during M-Tech(IIT Delhi,) & Ph.D(IIT Mumbai) Qualified in GATE 2008.</i>

Membership of Scientific / Engineering Bodies:

Alumni(Lifetime):IIT Delhi, IIT Bombay

Research Publications:

Google Scholar Citations	146
Google Scholar h-index	05
Google Scholar i10-index	04
Researcher ID:	
Scopus ID:	
Google Scholar ID:	
ORCID ID:	

Research Publications

(A) International Journals and Research Papers from PhD work

1. Paul S., Ghosh S., Oglesby R., Pathak A., Chandrasekharan A., and R. Ramshankaran, 2016: Role of Changes in Land Use Land Cover to the Recent Decadal Weakening of Indian Summer Monsoon Rainfall, *Scientific Reports*, 6, doi:10.1038/srep32177. *Impact factor: 4.609*
2. Paul S., Ghosh S., Rajendran, K., and R. Murtugudde, 2018: Moisture Supply From the Western Ghats Forests to Water Deficit East Coast of India, *Geophys Res Lett*, 45(9), 4337-4344. *Impact factor: 4.34*
3. Paul S., Ghosh S., Mathew M., Devanand A., Karmakar S., and D. Niyogi, 2018: Increased Spatial Variability and Intensification of Extreme Monsoon Rainfall due to Urbanization, *Scientific reports*, 8(1), 3918. *Impact factor: 4.609*
4. Paul S., Ghosh S. and M.K. Roxy, 2018: Role of Orography over Central India on Extreme, *Geophys Res Lett*, (manuscript under preparation). *Impact factor: 4.34*
5. Devanand, A., Ghosh, S., Paul S., Karmakar, S. and D. Niyogi, 2017: Multi-ensemble regional simulation of Indian monsoon during contrasting rainfall years: role of convective schemes and nested domain. *Climate Dyn*, 1-21. *Impact factor: 4.563*
6. Shastri, H., Paul S., Ghosh S. and S. Karmakar, 2015: Impacts of urbanization on Indian summer monsoon rainfall extremes, *J. Geophys. Res. Atmos.*, 120, 495-516, doi:10.1002/2014JD022061. *Impact factor: 3.38*

(B) Other International Journals and Research Papers

7. Mishra, U., Paul, S., & Bandyopadhyaya, M. (2013). Removal of zinc ions from wastewater using industrial waste sludge: A novel approach. *Environmental Progress & Sustainable Energy*, 32(3), 576-586. *Impact factor: 1.326*

(C) International Conference

8. Paul, S., Pathak, A. and Ghosh, S. (2016) Role of Local Characteristics On Indian Summer Monsoon Precipitation. *Climate Change, Monsoon And Extreme Weather Events(AS02)*, Asia Oceania Geosciences Society (AOGS), 13th Annual Meeting, 2016, Beijing, China.
9. Ghosh, S., Shastri, H., Pathak, A. and Paul, S., 2017, April. Changing Pattern of Indian Monsoon Extremes: Global and Local Factors. In *EGU General Assembly Conference Abstracts* (Vol. 19, p. 2392).
10. Devanand, A., Paul, S., Ghosh, S. and Karmakar S. (2016) Sensitivity of Indian Summer Monsoon simulations to cumulus and microphysics parameterizations in WRF model., Poster session C: Impacts and applications, International Conference on Regional Climate - Coordinated Regional Downscaling Experiment (ICRC-CORDEX), 17-20 May, 2016, Stockholm, Sweden.
11. Mathew, M., Paul, S., Devanand, A., and Ghosh, S. (2015), Impact of Urbanization on Spatial Variability of Rainfall-A case study of Mumbai city with WRF Model, Abstract B34C-04 presented at 2015 AGU Fall Meeting, San Francisco, USA.

(D) Book Chapters Published

1. Pathak, A, Paul, S, and Ghosh S (2018), Land-Surface Feedback and Impacts of Land-Use Change to Indian Monsoon Rainfall. In *Climate Change Signals and Response: A Strategic Knowledge Compendium for India*, Springer.