

LIST OF PUBLICATIONS

Faculty: Dr Harish Puppala

Department of Civil Engineering

PUBLICATIONS

Puppala, H., Pallabi, S, Pritam, K., Suriapparao, D. (2022). Evaluating the applicability of neural network to determine the extractable temperature from a shallow reservoir of Puga geothermal field. *International Journal of Thermofluids*. 17, 100259 (Q1, Scopus Indexed)

Puppala, H., Jha, S. K., Singh, A. P., Elavarasan, R. M., Campana, P. E. (2022). Identification and analysis of barriers for harnessing geothermal energy in India. *Renewable Energy*. 186, 327-340 (Q1, SCI indexed, I.F-8.63)

Puppala, H., Tamvada, J. P., Kim, B., Peddinti, P. R. (2022). Enhanced green view index. *MethodsX* , 9, 101824. (Q2, Scopus Indexed)

Puppala, H., Vasanthavada S., Garlapati N., Saini G. (2022). Hybrid multi-criteria framework to determine the hierarchy of hydropower reservoirs in India for floatovoltaic installation. *International journal of Thermofluids*.16, 100229(Q1, Scopus indexed)

Aggarwal, S., Srinivas, R., **Puppala, H.**, Magner, J. (2022). Integrated decision support for promoting crop rotation based sustainable agricultural management using geoinformatics and stochastic optimization. *Computers and Electronics in Agriculture*, 200, 107213 (Q1, SCI indexed, I.F-6.75)

Vasanthawada S, **Puppala H**, Prasad RC (2022) Assessing impact of land use changes on land surface temperature and modeling future scenarios of Surat, *India International Journal of Environmental Science and Technology* (Q1, SCI indexed, I.F-3.46)

Bhasuru A S, Garlapati N, Surendra S K and **Puppala H** (2022) Climate change impacts the future offshore wind energy resources in India: Evidence drawn from CORDEX-SA Regional Climate Models, *Regional Studies in Marine Science*, Elsevier (Q2, SCI Indexed, I.F-2.16)

Rallapalli S, Matt D, Joe M, **Puppala H**, Singh A.P, Riyadh AI (2022) LiDAR based hydroconditioned hydrological modeling for enhancing precise conservation practice placement in agricultural watersheds. *Water Resources Management* (Q1, SCI-Indexed, I.F-4.41)

Garlapati N, **Puppala H**, Pritam K (2022) Two-stage GIS-MCDM based algorithm to identify plausible regions at micro level to install wind farms: A Case study of India Energy ,123594 (Q1, SCI Indexed, I.F-8.85)

Tamvada, J. P., Narula, S., Audretsch, D., **Puppala, H.**, Kumar, A. (2022). Adopting new technology is a distant dream? The risks of implementing industry 4.0 in emerging economy SMEs. *Technological Forecasting and Social Change* (Q1, SCI Indexed, I.F- 10.88)

Narula, S., **Puppala, H.**, Kumar, A., Frederico, G. F., Dwivedy, M., Prakash, S., Talwar, V. (2021). Applicability of industry 4.0 technologies in the adoption of global reporting initiative standards for achieving sustainability. *Journal of Cleaner Production*, 127141. (Q1, SCI indexed, I.F-11.07)

Khan, F. M., Kumar, A., **Puppala, H.**, Kumar, G., Gupta, R.,(2021) Projecting the Criticality of COVID-19 Transmission in India using GIS and Machine Learning Methods, *Journal of Safety Science and Resilience*

Puppala, H., Amarnath B, Rishi Astana (2021) A GPS Data-Based Index to Determine the Level of Adherence to COVID-19 Lockdown Policies: in India International Journal of Healthcare Informatics (Q2, ESCI, Scopus indexed)

Puppala, H Singh AP, (2021), An Evidence of Urban Heat Island Effect in Vishakhapatnam, India: Causes and Possible Remedies Environment Development and Sustainability, Springer (Q1, SCI indexed, I.F-4.08)

Jha, S. K., **Puppala, H.**, Kumar, M. M. (2020). 3D characterization of thermo-hydro-geological fields and estimation of power potential from Puga geothermal reservoir, Ladakh, India. *Renewable Energy*, 146, 1510-1523 (Q1, SCI indexed, I.F- 8.63)

Puppala, H., Jha, S. K. (2019). Extraction schemes to harness geothermal energy from Puga geothermal field, India. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-21. (Q2, SCI indexed, I.F- 2.90)

Puppala, H., and Jha, S. K. (2018). "Identification of Prospective Significance Levels for Potential Geothermal Fields of India." *Renewable Energy*, 127, 960-973 (Q1, SCI indexed, I.F- 8.63)

Jha, S. K., **Puppala, H.** (2018). Conceptual modeling and characterization of Puga geothermal reservoir, Ladakh, India. *Geothermics*, 72, 326-337 (Q1, SCI indexed, I.F- 4.56)

Jha, S.K., **Puppala, H.**, (2017). Prospects of renewable energy sources in India: Prioritization of alternative sources in terms of Energy Index. *Energy* 127, 116–127. (Q1, SCI indexed, I.F- 8.85)

Jha, S.K., **Puppala, H.**, (2017). Assessment of subsurface temperature distribution from the gauged wells of Puga Valley, Ladakh. *Geotherm. Energy* 5 (Q1, SCI indexed, I.F- 2.87)

PROJECTS

AI-enabled drone-based remote health assessment of PMGSY roads in India (Funded by NIRDA, Co-PI: Status- Ongoing)

Urban sensing of built environment (Funded by Hero Motocorp limited, PI, Status: Ongoing