SOST Publications 2021

(Last updated – 14 July 2021)

Journal Publications

1. Ashneel Ajay Singh, Anish Maharaj, **Priyatma Singh**, (2021) Benthic Resource Baseline Mapping of Cakaunisasi and Yarawa Reef Ecosystem in the Ba Region of Fiji. *Water (Switzerland)*. (**Q1; 78th percentile**).

2. Mohammad Taghi Sattari, Halit Apaydin, Shahab S Band, Amir Mosavi, **Ramendra Prasad** (2021) Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation. *Hydrology and Earth System Sciences*. (**Q1; 96th percentile**)

3. Mohanad S. AL-Musaylh, Kadhem Al-Daffaie, **Ramendra Prasad**, (2021) Gas consumption demand forecasting with empirical wavelet transform based machine learning model: A case study, *International Journal of Energy Research*, 1-15. Doi: https://doi.org/10.1002/er.6788. (**Q1; 83rd percentile**).

4. Mohammed Moishin, Ravinesh C Deo, **Ramendra Prasad**, Nawin Raj, Shahab Abdulla (2021) Designing Deep-Based Learning Flood Forecast Model With ConvLSTM Hybrid Algorithm. *IEEE Access*. Vol.9, PP 50982-50993. Doi: 10.1109/ACCESS.2021.3065939. (**Q1; SNIP: 1.734; 84th percentile**).

5. Wolf, F.; Filho, W.L **Priyatma Singh**; Scherle, N.; Reiser, D.; Telesford, J.;Miljkovi´c, I.B.; Havea, P.H.; Li, C.; Surroop, D.; (2021) Influences of Climate Change on Tourism Development in Small Pacific Island States. *Sustainability*, 13, 4223. https://doi.org/10.3390/su13084223

6. Halit Apaydin, Mohammad Taghi Sattari, Kambiz Falsafian, **Ramendra Prasad**, (2021) Artificial intelligence modelling integrated with Singular Spectral analysis and Seasonal-Trend decomposition using Loess approaches for streamflow predictions. *Journal of Hydrology*. Doi: https://doi.org/10.1016/j.jhydrol.2021.126506 (**Q1; SNIP: 1.869; 95th percentile**).

7. Mumtaz Ali, **Ramendra Prasad**, Yong Xiang, Adarsh Sankaran, Ravinesh C Deo, Fuyuan Xiao, Shuyu Zhu. (2021) Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia. *Renewable Energy*. Doi: https://doi.org/10.1016/j.renene.2021.06.052 (**Q1; Impact Factor: 5.439 and SNIP: 2.075; 87th percentile**)

Chapters in edited Book

1. **Ramendra Prasad, Dhrishna Charan, Lionel Joseph**, Thong Nguyen-Huy, Ravinesh C. Deo, **Sanjay Singh** (2021) Daily Flood Forecasts with Intelligent Data Analytic Models: Multivariate Empirical Mode Decomposition-Based Modelling Methods. In: Ravinesh Deo et al., eds. Intelligent Data Analytics for Decision-Support Systems in Hazard Mitigation, Springer.

2. Sagthitharan Karalasingham, Ravinesh Deo, **Ramendra Prasad** (2021) Short-term electrical energy demand prediction under heat island effects using emotional neural network integrated with genetic algorithm. In: Ravinesh Deo et al., eds. Predictive Modelling for Energy Management and Power Systems Engineering, Elsevier.

3. Thong Nguyen-Huy, Ravinesh C. Deo, Zaher Mundher Yaseen, **Ramendra Prasad**, Shahbaz Mushtaq (2021) Bayesian Markov Chain Monte Carlo-Based Copulas: Factoring the Role of Large-Scale Climate Indices in Monthly Flood Prediction. In: Ravinesh Deo et al., eds. Intelligent Data Analytics for Decision-Support Systems in Hazard Mitigation, Springer