

## Publications

### **2021**

Shroyer, E., Tandon, A., Sengupta, D., Fernando, H. J., Lucas, A. J., Farrar, J. T., ....Venkatesan, R., Joseph, J., Ramasundaram, S,... & Subrahmanyam, B. (2021). Bay of Bengal Intraseasonal Oscillations and the 2018 Monsoon Onset. *Bulletin of the American Meteorological Society*, 1-44. <https://doi.org/10.1175/BAMS-D-20-0113.1>

Venkatesan, R. and Joseph J. (2021). Rapid mode transmission in moored data buoys during cyclones in BREEZE Vol.20(2) and Vol.21 (1) May 2021 Indian Meteorological Society, Chennai Chapter Newsletter

Pearlman, J., Buttigieg, P. L., Bushnell, M., Delgado, C., Hermes, J., Heslop, E., ... & Venkatesan, R. (2021). Evolving and Sustaining Ocean Best Practices to enable Interoperability in the UN Decade of Ocean Science for Sustainable Development. <https://doi.org/10.3389/fmars.2019.00277>

Venkatesan, R., Vedachalam, N., & Vengatesan, G. (2021). Quantification of ocean-atmosphere energy exchange during super cyclone Amphan in the Bay of Bengal using Indian Ocean moored observatories. *Dynamics of Atmospheres and Oceans*, 94, 101210. <https://doi.org/10.1016/j.dynatmoce.2021.101210>

Varalakshmi, P., Vasumathi, N., & Venkatesan, R. (2021). Tropical Cyclone prediction based on multi-model fusion across Indian coastal region. *Progress in Oceanography*, 193, 102557. <https://doi.org/10.1016/j.pocean.2021.102557>.

Venkatesan, R., Muthiah, M. A., Vedachalam, N., Thirumurugan, K., Senthilkumar, P., Vengatesan, G., & Sridharan, R. (2021). Can Submerged Buoys be Reliably Used for Monitoring Tsunamis in the Indian Ocean?. *Marine Technology Society Journal*, 55(1), 127-136. <https://doi.org/10.4031/MTSJ.55.1.11>

Venkatesan, R., Ramesh, K., Muthiah, M. A., Vedachalam, N., Muruges, P., & Atmanand, M. A. (2021). Estimation of Uncertainty in the Atmospheric Pressure Measurement From the Indian Ocean Moored Buoy Systems. *Marine Technology Society Journal*, 55(1), 137-146. <https://doi.org/10.4031/MTSJ.55.1.12>

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### **2020**

Mandal, S., Sil, S., Gangopadhyay, A., Jena, B. K., Venkatesan, R., & Gawarkiewicz, G. (2020). Seasonal and Tidal Variability of Surface Currents in the Western Andaman Sea Using HF Radars and Buoy Observations During 2016-2017. *IEEE Transactions on Geoscience and Remote Sensing*. <https://doi.org/10.1109/TGRS.2020.3032885>

Muthiah, M. A., Vengatesan, G., Ramesh, K., Kesavakumar, B., Venkatesan, R., Vedachalam, N., & Atmanand, M. A. (2020, October). Design and Development of Energy-efficient Data Acquisition System for Indian Tsunami Surface Buoy System. In *Global Oceans 2020: Singapore–US Gulf Coast* (pp. 1-6). IEEE.

Mahanty, M. M., Latha, G., Venkatesan, R., Ravichandran, M., Atmanand, M. A., Thirunavukarasu, A., & Raguraman, G. (2020). Underwater sound to probe sea ice melting in the Arctic during winter. *Scientific reports*, 10(1), 1-7. <https://doi.org/10.1038/s41598-020-72917-4>

Vengatesan, G., Shanmugam, P., Venkatesan, R., Vedachalam, N., & Joseph, J. K. (2020). Seasonal variability of cyclone heat potential and cyclonic responses in the Bay of Bengal characterized using moored observatories. *Ocean Systems Engineering*, 10(2), 181-199. <http://dx.doi.org/10.12989/ose.2020.10.2.181>

Atmanand, M. A., Jalihal, P., Ramadass, G. A., Venkatesan, R., Ramanamurthy, M. V., Vedachalam, N., & Dharani, G. TECHNOLOGICAL DEVELOPMENTS FOR INDIA STRATEGIC BLUE FRONTIER.

Venkatesan, R., Vedachalam, N., Vengatesan, G., Weller, R. A., Tandon, A., & Atmanand, M. A. (2020). Fuel for Cyclones: Quantification of Ocean-Atmosphere Energy Exchange during Tropical Cyclones in the Bay of Bengal Using Indian Ocean Moored Observatories. *Marine Technology Society Journal*, 54(4), 81-92. <https://doi.org/10.4031/MTSJ.54.4.4>

Bhowmick, S. A., Agarwal, N., Sharma, R., Sundar, R., Venkatesan, R., Prasad, C. A., & Navaneeth, K. N. (2020). Cyclone Amphan: oceanic conditions pre and post-cyclone using in situ and satellite observations. *Current Science*, 119, 1.

Joseph, J., Tandon, A., Ramasamy, V., Farrar, J. T., & Weller, R. A. (2020, February). Long Wave Measurement Corrections for the OMNI Buoy Network. In *Ocean Sciences Meeting 2020*. AGU.

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Mathew, S., Latha, G., & Venkatesan, R. (2020). Latent heat flux variation during the warming phase of intraseasonal oscillations over northern Bay of Bengal. *Journal of Earth System Science*, 129(1), 1-9. <https://doi.org/10.1007/s12040-019-1338-8>

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Mandal, S., Sil, S., Gangopadhyay, A., Jena, B. K., & Venkatesan, R. (2020). On the nature of tidal asymmetry in the Gulf of Khambhat, Arabian Sea using HF radar surface currents. *Estuarine, Coastal and Shelf Science*, 232, 106481. <https://doi.org/10.1016/j.ecss.2019.106481>

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