LIST OF PUBLICATIONS

Journal Papers:

1) **Solanki D.T., Sharma D.S.**, "Potential flow around polygonal shaped cylinders using hypotrochoidal mapping function", International Journal of Mechanical Sciences 2022; 226: 107395. **(*Elsevier*)**
2) **Solanki D.T., Sharma D.S.**, "Hydrodynamic interaction between polygonal and circular cylinder in uniform potential flow", Journal of the Brazilian Society of Mechanical Sciences and Engineering 2023; 45: 645. doi.org/10.1007/s40430-023-04546-7. **(*Springer*)**
3) **Solanki D.T., Sharma D.S.**, "Hydrodynamic interaction between two polygonal cylinders in uniform potential flow", Ocean Engineering 2023; 286: 115674. **(*Elsevier*)**
4) **Solanki D.T., Sharma D.S.**, "Hydrodynamic interaction between to circular cylinders in uniform and non-uniform potential flow" (*To be communicated*)
5) **Solanki D.T., Sharma D.S.**, "Ground effect on the potential flow around polygonal cylinder" (*To be communicated*)

Conference Paper:

1) **Solanki, D.T., Sharma, D.S.**, "Potential Flow past Circular Cylindrical Shape Using Complex Potential Function", Proceedings of the International Conference on Contemporary Engineering and Technology, April 10-11, 2021, Chennai, India.

Book Chapter:

1) **Solanki, D.T., Sharma, D.S.**, "Potential Flow around square cylinder with rounded corners", In: Singh, K.M., Dutta, S., Subudhi, S., Singh, N.K. (eds) Fluid Mechanics and Fluid Power, Volume 3. FMFP 2022. Lecture Notes in Mechanical Engineering. Springer, Singapore. **(*Springer*)**