



DAFTAR PUSTAKA

- Bakker, A. (2000). Lectures on Applied Mathematics. In *Lectures on Applied Mathematics*. <https://doi.org/10.1007/978-3-642-59709-1>
- Boccotti, P. (2007). Comparison between a U-OWC and a conventional OWC. *Ocean Engineering*, 34(5–6), 799–805. <https://doi.org/10.1016/j.oceaneng.2006.04.005>
- Bouali, B., & Larbi, S. (2013). Contribution to the geometry optimization of an oscillating water column wave energy converter. *Energy Procedia*, 36, 565–573. <https://doi.org/10.1016/j.egypro.2013.07.065>
- Brown, D., & Justin. (2019). *UniWave200 King Island Development Application*.
- Cascajo, R., García, E., Quiles, E., Correcher, A., & Morant, F. (2019). Integration of marine wave energy converters into seaports: A case study in the port of Valencia. *Energies*, 12(5), 1–24. <https://doi.org/10.3390/en12050787>
- Çelik, A. (2022). An experimental investigation into the effects of front wall geometry on OWC performance for various levels of applied power take off dampings. *Ocean Engineering*, 248(January), 1–10. <https://doi.org/10.1016/j.oceaneng.2022.110761>
- Curto, D., Franzitta, V., & Guercio, A. (2021). A Review of the Current Technologies and Perspectives and Perspectives. *Energies*, 14(February), 1–31. [https://doi.org/https://doi.org/10.3390/en14206604 Academic](https://doi.org/https://doi.org/10.3390/en14206604)
- Dizadji, N., & Sajadian, S. E. (2011). Modeling and optimization of the chamber of OWC system. *Energy*, 36(5), 2360–2366. <https://doi.org/10.1016/j.energy.2011.01.010>
- Falcão, A. F. O., & Henriques, J. C. C. (2016a). Oscillating-water-column wave energy converters and air turbines: A review. *Renewable Energy*, 85, 1391–1424. <https://doi.org/10.1016/j.renene.2015.07.086>
- Falcão, A. F. O., & Henriques, J. C. C. (2016b). Oscillating-water-column wave energy converters and air turbines: A review. *Renewable Energy*, 85(January), 1391–1424. <https://doi.org/10.1016/j.renene.2015.07.086>
- Flow Science. (2008). *Flow-3D User Manual Version 9.3.* 1, 1–739. www.flow3d.com
- Fox, B. N., Gomes, R. P. F., & Gato, L. M. C. (2021). Analysis of oscillating-water-column wave energy converter configurations for integration into caisson breakwaters. *Applied Energy*, 295(January), 117023. <https://doi.org/10.1016/j.apenergy.2021.117023>
- Gurnari, L., G.F.Filianoti, P., & M.Camporeale, S. (2022). Fluid dynamics inside a U-shaped oscillating water column (OWC): 1D vs. 2D CFD model. *Renewable Energy*, 193, 687–705. <https://doi.org/10.1016/j.renene.2022.05.025>
- H. K. Versteeg and W. Malalasekera. (2007). An introduction to Computational Fluid Dynamics: The Finite Volume Method. In *2nd Edition by, Longman Scientific & Technical*. <https://doi.org/10.1109/mcc.1998.736434>
- Hayward, J. (2021). Wave energy cost projections A report for Wave Swell Energy Limited. *CSIRO Energy Citation, Australia's National Science Agency Wave, October*.
- Henriques, J. C. C., Cândido, J. J., Pontes, M. T., & Falcão, A. F. O. (2013). Wave



- energy resource assessment for a breakwater-integrated oscillating water column plant at Porto, Portugal. *Energy*, 63, 52–60. <https://doi.org/10.1016/j.energy.2013.09.063>
- IEA-OES. (2022). *Annual Report: An Overview of Ocean Energy Activities in 2021*. 220. <https://www.pvh.com/-/media/Files/pvh/investor-relations/PVH-Annual-Report-2020.pdf>
- John Ashlin, S., Sannasiraj, S. A., & Sundar, V. (2015). Wave forces on an Oscillating Water Column device. *Procedia Engineering*, 116(1), 1019–1026. <https://doi.org/10.1016/j.proeng.2015.08.336>
- Juan, N. P., Valdecantos, V. N., Esteban, M. D., & Gutiérrez, J. S. L. (2022). Review of the Influence of Oceanographic and Geometric Parameters on Oscillating Water Columns. *Journal of Marine Science and Engineering*, 10(2). <https://doi.org/10.3390/jmse10020226>
- Kuo, Y. S., Chung, C. Y., Hsiao, S. C., & Wang, Y. K. (2017). Hydrodynamic characteristics of Oscillating Water Column caisson breakwaters. *Renewable Energy*, 103, 439–447. <https://doi.org/10.1016/j.renene.2016.11.028>
- Laface, G., Advisor, G. M., & Bracco, G. (2021). Productivity analysis of different design for OWC nearshore in breakwater in Pantelleria. *Master's Degree Thesis, July*, 56. <https://webthesis.biblio.polito.it/18849/1/tesi.pdf>
- López-Leyva, J. A., Barrera-Silva, C., Sarmiento-Leyva, L. F., & González-Romero, M. F. (2021). Simulation and characteristics analysis of on-shore owc system proposal as distributed generation resource considering the irregular wave interaction. *Electronics (Switzerland)*, 10(7). <https://doi.org/10.3390/electronics10070773>
- López, I., Carballo, R., Fouz, D. M., & Iglesias, G. (2021). Design selection and geometry in owc wave energy converters for performance. *Energies*, 14(6), 1–18. <https://doi.org/10.3390/en14061707>
- Malara, G., & Arena, F. (2013). Analytical modelling of an U-Oscillating Water Column and performance in random waves. *Renewable Energy*, 60, 116–126. <https://doi.org/10.1016/j.renene.2013.04.016>
- Malmo, O., & Reitan, A. (1991). Wave-power absorption by an oscillating water column. *Physica Scripta*, 43(1), 60–67. <https://doi.org/10.1088/0031-8949/43/1/010>
- Marta, A. S. D., Deendarlianto, Kongko, W., Indarto, Fauzun, & Rohman, A. T. (2024). The Influence of Wave Height and Period on Airflow Velocity and Differential Pressure in L-Shaped Oscillating Water Column (L-OWC) Chamber for Wave Energy Converter (WEC). *Asia-Pacific Journal of Science and Technology, In Press*(2024), 14.
- Mayon, R., Ning, D., Ding, B., & University, N. Y. S. (2022). *Wave energy converter systems -- status and perspectives* (Issue July). <https://doi.org/10.1201/9781003198956-1>
- Mishra, S. K., Appasani, B., Jha, A. V., Garrido, I., & Garrido, A. J. (2020). Centralized Airflow Control to Reduce Output Power Variation in a Complex OWC Ocean Energy Network. *Complexity*, 2020. <https://doi.org/10.1155/2020/2625301>
- Mishra, S., Purwar, S., & Kishor, N. (2018). Maximizing Output Power in Oscillating Water Column Wave Power Plants: An Optimization Based MPPT



- Algorithm. *Technologies*, 6(1), 15.
<https://doi.org/10.3390/technologies6010015>
- Morris-Thomas, M. T., Irvin, R. J., & Thiagarajan, K. P. (2007). An investigation into the hydrodynamic efficiency of an oscillating water column. *Journal of Offshore Mechanics and Arctic Engineering*, 129(4), 273–278.
<https://doi.org/10.1115/1.2426992>
- Ning, D. Z., Wang, R. Q., Zou, Q. P., & Teng, B. (2016). An experimental investigation of hydrodynamics of a fixed OWC Wave Energy Converter. *Applied Energy*, 168, 636–648.
<https://doi.org/10.1016/j.apenergy.2016.01.107>
- Pecher, A., & Kofoed, J. (2017). *Ocean Wave Energy Book*.
- Qiao, D., Haider, R., Yan, J., Ning, D., & Li, B. (2020). Review of wave energy converter and design of mooring system. In *Sustainability (Switzerland)* (Vol. 12, Issue 19). <https://doi.org/10.3390/su12198251>
- Qu, M., Yu, D., Xu, Z., & Gao, Z. (2022). The effect of the elliptical front wall on energy conversion performance of the offshore OWC chamber: A numerical study. *Energy*, 255, 124428. <https://doi.org/10.1016/j.energy.2022.124428>
- Samak, M. M., Elgamal, H., & Nagib Elmekawy, A. M. (2021). The contribution of L-shaped front wall in the improvement of the oscillating water column wave energy converter performance. *Energy*, 226, 120421.
<https://doi.org/10.1016/j.energy.2021.120421>
- Sundar, V., Sannasiraj, S. a, S, J. A., & Jegatheeswaran, B. (2014). an Experimental Study of an Oscillating Water Column With Different Bottom Configuration. *3rd IAHR Europe Congress, ISBN 978-989-96479-2-3*, 1–9.
- Taha, Z., Sugiyono, & Sawada, T. (2010). A comparison of computational and experimental results of Wells turbine performance for wave energy conversion. *Applied Ocean Research*, 32(1), 83–90.
<https://doi.org/10.1016/j.apor.2010.04.002>
- Taha, Z., Sugiyono, Tuan Ya, T. M. Y. S., & Sawada, T. (2011). Numerical investigation on the performance of Wells turbine with non-uniform tip clearance for wave energy conversion. *Applied Ocean Research*, 33(4), 321–331. <https://doi.org/10.1016/j.apor.2011.07.002>
- Trivedi, K., Ray, A. R., Krishnan, P. A., Koley, S., & Sahoo, T. (2023). Hydrodynamics of LIMPET type OWC device under Stokes second-order waves. *Ocean Engineering*, 286(August).
<https://doi.org/10.1016/j.oceaneng.2023.115605>
- Vyzikas, T., Deshoulières, S., Barton, M., Giroux, O., Greaves, D., & Simmonds, D. (2017). Experimental investigation of different geometries of fixed oscillating water column devices. *Renewable Energy*, 104, 248–258.
<https://doi.org/10.1016/j.renene.2016.11.061>
- Wu, H. L., Hsiao, S. C., & Lin, T. C. (2015). Evolution of a two-layer fluid for solitary waves propagating over a submarine trench. *Ocean Engineering*, 110, 36–50. <https://doi.org/10.1016/j.oceaneng.2015.10.004>