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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4755** |
| Title of the Manuscript:  | **Numerical and Observational Study on Wave Conditions Near the Pilot Station** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Transportation Research Interdisciplinary Perspectives, 27, 101231, 2024.**

**Available:** [**https://doi.org/10.1016/j.trip.2024.101231**](https://doi.org/10.1016/j.trip.2024.101231)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This chapter is a significant contribution to the scientific community as it integrates both numerical simulations and observational data to improve our understanding of wave conditions near pilot stations. Its detailed analysis of the impacts of port expansions, such as the addition of an LNG terminal and extended breakwaters, provides valuable insights into how these infrastructural changes affect wave diffraction and overall maritime safety. The study not only reinforces the critical role of precise wave measurements for safe navigation but also offers a robust framework for future research in marine meteorology and coastal engineering. Overall, the findings have the potential to inform better decision-making in port planning and pilot operations, ensuring enhanced safety and efficiency in maritime activities.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **No. The list of bibliographic references should be increased to approximately 40 references.**[**https://www.researchgate.net/profile/Sergio-Lousada**](https://www.researchgate.net/profile/Sergio-Lousada)**Suggestions:****Lousada, S., Castanho R. A. (2022). *The Role of Ports in Tourism: Porto Santo Harbour*. *Water*, 14, 3176.** [**https://doi.org/10.3390/w14193176**](https://doi.org/10.3390/w14193176)**. [SJR 2023: 0,72] – *Q1 Aquatic Science*;****Gonçalves, R. S., Camacho, R. F., Lousada, S., Castanho R. A. (2018). *Modeling of maritime agitation for the design of maritime infraestructures: the case study of Madeira Archipelago*. Revista Brasileira de Planejamento e Desenvolvimento, Curitiba, v. 7, n. 1, pp. 29-50. DOI: 10.3895/rbpd.v7n1.7136. ISSN: 2317-2363. (s/ SJR);****Lousada, S.; Castanho, R.A. *Port Structures, Maritime Transport, and Tourism*. *Water* 2023, 15, 3898.** [**https://doi.org/10.3390/w15223898**](https://doi.org/10.3390/w15223898)**. [SJR 2023: 0,72] – *Q1 Aquatic Science*;****Lousada, S.A.N., Hassan, N.M.S. *New Innovations in Engineering Education and Naval Engineering*. ISBN: 978-1-78984-037-7, Ed. IntechOpen, Inglaterra, 164 pp. (2020);****Lousada, S.A.N. *Underwater Work*. ISBN: 978-1-78985-229-5, Ed. IntechOpen, Inglaterra, 88 pp. (2021);** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes.** |  |
| Optional/General comments | The chapter holds significant relevance for the subject, making its content highly valuable to researchers and readers interested in this field. The authors have meticulously crafted an excellent methodological description and the schematics (figures) that, while beneficial, need quality enhancement. These elements significantly aid in understanding the methodology and guidelines presented. The chapter title accurately reflects its content, ensuring coherence and clarity.The carefully chosen keywords facilitate subsequent research and serialization (Rephrase alphabetically the keywords), allowing for efficient information retrieval. To further enhance the chapter's presentation, a thorough rectification of its formatting is necessary. This includes eliminating blank spaces, ensuring proper alignment, and adhering to the editor's template. Such attention to detail will improve the overall readability and professionalism of the document. Despite its strengths, additional reviews are essential to elevate the chapter's scientific rigor and quality. Implementing the corrections suggested by the reviewer is crucial. These amendments will refine the chapter's content, making it more robust and authoritative. By addressing these recommendations, the chapter will not only meet but exceed academic standards, ultimately contributing significantly to the body of knowledge in this domain. The conclusions are too weak. How they are now I cannot see how it contributes to the advance of the thematic field. In this regard, other researches and studies should be exposed, confronted/compared to create a discussion in order to enrich the state-of-the-art and consequently further develop the field, at least 3 paragraphs of text corroborating and comparing with similar works. The list of bibliographic references should be increased to approximately 40 references.In summary, the chapter is well-constructed and relevant, but with further refinement and adherence to reviewer suggestions, it will achieve a higher level of excellence and scientific merit. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewers:**

Sergio Antonio Neves Lousada, University of Madeira, Portugal