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| Book Name: | [**Engineering Research: Perspectives on Recent Advances**](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5273** |
| Title of the Manuscript:  | **Influence of baffle block and weir downstream slope at stilling basin of solid roller bucket type on hydraulic jump and energy dissipation** |
| 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.**

**AIP Conference Proceedings, 1977, 040031 (2018)**

**Available:** [**https://doi.org/10.1063/1.5043001**](https://doi.org/10.1063/1.5043001)

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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.** | The author has presented an experimental data on turbulence, hydraulic jump characteristics, and energy loss across different configurations. The outcome of research is relevant for researchers, and engineers involved in water infrastructure design and flood control systems.The experimental setup of the open flume (30 × 60 × 1000 cm) is missing from the manuscript. It is suggested that the author include a schematic or actual photographs related to the experiment. Also, it is recommended to provide more details or specifications regarding the experimental setup. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title of the article is acceptable. |  |
| 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. | The abstract is comprehensively written. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically acceptable, but there is room for improvement.After the abstract the keywords are missing.1. It is suggested to merge Literature review and Theoritical review under a single Introduction heading.
2. It is suggested to include the research gaps and explain how these gaps have been addressed
3. How experiment was conducted ? Brief explanation is expected.Specifications related to **open flume** is missing .Suggested to include saperately under methodology.
4. Equations used in the design of Stilling Basin are not cited,references are missing.
5. Fig.1 to Fig.5 explanations are missing.Suggested to explain briefly the importance of figures.
6. “Reynolds number with discharge variation” written ANALYSIS AND DISCUSSION can be removed,repeated twice.
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | References are not sufficient and recent.The literature review is not adequately covered. It is suggested to include recent developments in the researched area. |  |
| Is the language/English quality of the article suitable for scholarly communications? | English quality of the article is suitable for scholarly communications. |  |
| Optional/General comments | The author is advised to reformat the manuscript and include recent references, the missing data and relevant explanations where appropriate.Mnauscript can be accepted after a major revision.  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |   |

**Reviewer details:**

**Abhinav, India**