|  |
| --- |
|  |
| 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)

|  |
| --- |
| 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.** | Increasing flow triggers the greater turbulence, the length of hydraulic jump downstream of the vortex, and the smaller value of the percentage of energy loss. Second, the most effective baffle block arrangement in reducing turbulence and hydraulic jumps is the one that is placed at the center of the curved radius. Third, the efficiency of energy loss increases with reduced discharge variation, the treatment without baffle blocks is the most effective. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Suitable |  |
| 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. | Abstract is comprehensive and well written. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Manuscript is scientifically correct. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Add recent literatures. |  |
| Is the language/English quality of the article suitable for scholarly communications? | English quality of the article suitable for scholarly communications |  |
| Optional/General comments |  |  |

|  |
| --- |
| **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:**

**Suraj Kalgonda Patil, DKTEs Textile & Engineering Institute, India**