|  |  |
| --- | --- |
|  | |
| 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\_4534** |
| Title of the Manuscript: | **Algorithm for Pillar Stability Assessment Based on the Interaction Principle** |
| Type of the Article | **BOOK CHAPTER** |

|  |  |  |
| --- | --- | --- |
| 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.** | *For deep salt exploitation using square pillars, evaluating the optimal parameters of the system elements necessitates:*  *(1) establishing the stresses present in the surrounding salt mass (the in situ stress state);*  *(2) qualitatively and quantitatively determining the distribution of the secondary stress state within the pillars;*  *(3) evaluating the load-bearing capacity of the pillars; and*  *(4) establishing their geometric dimensions* |  |
| **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. | **Strongly agree** |  |
| **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.**  **-** | **Yes. Good Resarch and analysis** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments | Strongly recommend |  |

|  |  |  |
| --- | --- | --- |
| **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)* |  |

|  |  |
| --- | --- |
| **Reviewer Details:** | |
| Name: | **M. Rajasekar** |
| Department, University & Country | **Saveetha College of Liberal Arts and Sciences, SIMATS University, India** |