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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4831** |
| Title of the Manuscript: | **Recharge site delineation through integrated geophysical hydrological and GIS approach – A basic understanding with case studies from Indian sub-continent** |
| 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.**

**Groundwater for Sustainable Development, Volume 10, April 2020, 100343.**

**Available:** [**https://doi.org/10.1016/j.gsd.2020.100343**](https://doi.org/10.1016/j.gsd.2020.100343)

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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 current work investigates recharge site delineation using an integrated geophysical hydrological and GIS approach. In recent years, numerous government schemes have been adopted to promote sustainable groundwater development and quality control through water harvesting and the creation of artificial recharge strategies. Artificial recharge strategies have been widely adopted in such scenarios to supplement ground water reserves by transporting surface water to aquifers during the monsoon season and using this water during drought periods.** |  |
| **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.** | **Need to add most recent references also.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **YES** |  |
| Optional/General comments | **After through paraphrasing the manuscript may be considered. More over the authors need to site the importance of RS and GIS from the recent articles of year 2023-24 such as “Peerzada, H.A., Pandit, B.A., Bint Nazir, N. and Lone, A.H. (2023) Change Detection and Spatial Variability in Dal Lake and Nigeen Lake using Remote Sensing and Geographical Information System. International Journal of Science and Research. 12(10), 471-478” or other** |  |

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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)* |  |

**Reviewers:**

**Hilaas Ahmad Peerzada, India**