International Journal of Agricultural Sciences ☞DOI:10.15740/HAS/IJAS/19.2/690-695
Volume 19 | Issue 2 | June, 2023 | 690-695 ■ ISSN : 0973-130X Visit us : *www.researchjournal.co.in*

*A REVIEW*

# Morphometric analysis of watershed

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**Abstract :** The analysis of drainage basins or watersheds based on morphometric parameters is highly significant for effective watershed planning. It provides valuable insights into the relationships between different characteristics within a given area. Although numerous technical papers have explored this field of study, there is currently no standardized classification system and clear interpretation for each parameter. Consequently, evaluating the significance of individual morphometric parameters can be confusing. This paper aims to address this issue by offering a comprehensive understanding of the meaning behind the values of various morphometric parameters, along with relevant contextual information. A critical review is provided for each classification, including the range of values and their implications. Emphasizing the importance of data quality, covering aspects such as data preparation, scale, and level of mapping detail is also done. This review paper is intended to provide a comprehensive explanation that will assist future researchers in their morphometric analysis studies.

**Key Words :** Morphometric analysis, Watershed

**View Point Article :** Ramatal, Megharaj, Kothari, Mahesh, Singh, P.K., Singh, Manjeet and Chhipa, Brij Gopal (2023). Morphometric analysis of watershed. *Internat. J. agric. Sci.*, **19** (2) : 690-695, **DOI:10.15740/HAS/IJAS/19.2/690-695.** 

**Article History : Received :** 01.02.2023**; Accepted :** 03.03.2023

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