

عنوان مقاله:

ORDERED IDEAL INTUITIONISTIC FUZZY MODEL OF FLOOD ALARM

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نویسندگان:

Sunny Joseph Kalayathankal - *Department of Mathematics, K.E.College, Mannanam, Kottayam, ۶۸۶۵۶۱, Kerala, India*

G. Suresh Singh - *Department of Mathematics, University of Kerala, Trivandrum, ۶۹۵۵۸۱, Kerala, India*

خلاصه مقاله:

An efficient flood alarm system may significantly improve public safety and mitigate damages caused by inundation. Flood forecasting is undoubtedly a challenging field of operational hydrology and a huge literature has been developed over the years. In this paper, we first define ordered ideal intuitionistic fuzzy sets and establish some results on them. Then, we define similarity measures between ordered ideal intuitionistic fuzzy sets (OIIFS) and apply these similarity measures to five selected sites of Kerala, India to predict potential flood.

کلمات کلیدی:

Rainfall, Ordered intuitionistic fuzzy set, Flood, Simulation

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