Abstract

To recognize application of Artificial Neural Networks (ANNs) in weather forecasting, especially in rainfall forecasting a comprehensive literature review from 1923 to 2012 is done and presented in this paper. And it is found that architectures of ANN such as BPN, RBFN is best established to be forecast chaotic behavior and have efficient enough to forecast monsoon rainfall as well as other weather parameter prediction phenomenon over the smaller geographical region.


Application of Artificial Neural Networks in Weather Forecasting: A Comprehensive Literature Review

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**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

ANN  BPN  Back-propagation  RBF  Rainfall  Forecasting