

896. **Jayakumar, M., Jeevarathnam, K., Padmanabhan, M.V. and Poornachandran, G. 1980.** Rainfall frequency atlas for Nilgiris. Abst. 6, National Symp. on "Soil Conservation and Water Management in 1980's", Dehradun, March 12-13, 1980: 04.

Maximum rainfall amounts for durations of 30 minutes, one hour, 6 hours and 24 hours were computed from Raingauge charts from 12 stations in Nilgiris and frequency analysis was done using the Log Pearson Type III probability density function. Rainfall probabilities for different return periods of 2,5,10,35,50 and 100 years have been provided. The results of the frequency analysis have been regionalised by plotting the isohyets.