

899. **Jeevarathnam, K., Jayakumar, M., Chinnamani, S. and Padmanabhan, N.V.**  
1980. Hydrological performance of Sillahalla watershed in Nilgiris. Abst. 19,

National Symp. on "Soil Conservation and Water Management in 1980's",  
Dehradun, March 12-13, 1980: 13.

The Sillahalla (Nilgiri hills) is an agriculturally predominant watershed having an area of 65.01 sq km, altitude ranging from 1700 to 2550 m above m.s.l. and mean rainfall of 1340 mm. The precipitation, temperature and stream flow data for 11 years period from 1968 to 1978 were analysed to find out the seasonal fluctuation of precipitation and stream flow. The percentage of stream flow to the total precipitation was 30.72%. The climatic and physiographic factors which are responsible for variation in stream flow was studied and reason for higher watershed retention (69.28%) were also explained. The climatic water were found 68.82 and 2.06 cms, respectively.