

903. **Katiyar, V.S. and Striffler, W.D. 1984.** Rainfall variations in a small Himalayan watershed. *Indian J. Soil Conserv.*, 12(2&3):57-64

The paper describes significant rainfall variations in a small Western Himalayan watershed of 328 ha. Nine standard raingauges were placed at different elevations and aspects to represent approximate equal areas. Using stepwise multiple regression analysis, the regression models for monsoon, dry season and annual rainfall totals were developed. It has been observed that gauge orientation was the single most important variable accounting for 63% of variation. Addition of elevation increased R^2 to 87%. However, because of strong intercorrelations between orientation, slope and exposure, the relative significance of orientation was reduced. Rainfall catch decreases with distance from south-west to north-west direction in the watershed.