

- 875. Chinnamani, S. and Sakthivadival, R. 1985.** Hydrologic characteristics of a watershed under urbanisation. *Indian J. Soil Conserv.*, 13(1):47-50.

Coonoor watershed in Nilgiris (Tamil Nadu) was investigated to ascertain its hydrologic characteristics under urbanisation. Data on rainfall and streamflow collected in the watershed for about 30 years were subjected to time series and regression analysis. The analysis indicates that urbanisation had increased the peak floods by 400% above normal, the dry weather flows were reduced by 40 to 70% below normal and the rainfall were reduced by 3 to 10% below normal.