

775. **Samraj, P., Chinnamani, S., Haldorai, B. and Henry, C. 1980.** A comparative study of stemflow, throughfall and interception in a natural forest and plantation ecosystems in the Nilgiris. Abst. 9, National Symp. on "Soil Conservation and Water Management in 1980's", Dehradun, March 12-13, 1980: 06.

The paper presents the results of investigations carried out on interception, stemflow and throughfall in natural '*Shola*' forest and man-made plantation of *Acacia mearnsii* and *Eucalyptus globulus* in the Nilgiris (Tamil Nadu). Of the total rainfall (1105.3 mm), 33.8, 25.1 and 21.9%, respectively was intercepted by *shola*, *Acacia mearnsii* and *Eucalyptus globulus*. Similarly, the percentage of stemflow and throughfall were 1.3 and 65.0; 4.3 and 70.6 and 1.5 and 76.7 in *Shola* forests, *A.mearnsii* and *E.globulus* plantations, respectively. The variations in stem-flow, throughfall and interception among the forests have been discussed in detail.