

## ABSTRACT

Treated textile effluent, untreated textile effluent and untreated textile effluent with mixed culture of microbes were subjected to the four species of ornamental plants i.e. *Tagetes erecta*, *Helichrysum bracteatum*, *Helipteris roseum* and *Dimorphotheca sinuata* to find out their growth behavior. The results showed that untreated textile effluent retarded the growth of all experimental plants. The growth of plants were restricted to 30-40 % by untreated effluent, whereas treated textile effluent showed 10-15 % reduction in growth of plants and untreated effluent with mixed culture of microbes caused 20-25 % reduction in growth as compared to control. These studies showed that the said four plant species can be effectively used for **phytoremediation of textile effluents** and microbes (mixed culture) facilitate this process.