

## **Agroforestry systems practiced in southern part of Akola district of Maharashtra**

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**ABSTRACT :** The present study was undertaken to different agroforestry practices followed by the farmers in Akola district during 2013-15. The list of 100 respondents from 10 villages of Patur tehsil were selected randomly, where 10 farmers from each village were selected for the study. Exploratory design of social research was used. Vegetation analysis was done through quadrat sampling methods with 0.1% sample. The survey was conducted and data were collected by interview method using semi-structural questionnaire. Results revealed that the farmers were practicing eleven different agroforestry systems in their field namely : bund planting, boundary planting agri-silvipastoral and scattered plantation were only found in rainfed situation. Whereas horti-silviculture, agri-horti-silviculture, block plantation, planting along irrigation canal, kitchen garden and plantation near water sources were found in irrigated situation, except agri-silviculture, which was found in both situation.

**Key Words :** Agro-ecosystem, boundary plantation, bund plantation, block plantation, agri-silviculture and horti-silviculture.