



**YIELD PERFORMANCE AND ECONOMIC EVALUATION OF OKRA (*Abelmoschus  
esculentus*) BASED INTERCROPPING SYSTEM**

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**ABSTRACT**

The objective of the study was to evaluate yield performance and economics of Okra under intercropping with Palak, Fenugreek, Greengram and Radish. The field experiment was carried out at Indira Gandhi Krishi Vishwavidyalaya, Raipur during *spring* season of 2007. The experiment was laid out in randomized complete block design with three replication. Okra was grown as main crop on plot with palak, fenugreek, greengram, radish as intercrop. In Okra all the growth parameters and yield attributes were relatively higher under sole cropping which ultimately registered the higher fruit yield as compared to intercropping treatments. However, among intercropping, it was observed that growth parameters, yield attributes and yield were higher under Okra: Fenugreek (1:2) ratio. Further, it was observed that, highest land equivalent ratio was registered under okra: greengram and okra: fenugreek at 1:2 row ratio. Maximum gross return (Rs. 187800 ha<sup>-1</sup>), net return (Rs. 165238 ha<sup>-1</sup>) and okra equivalent yield (15.65) were recorded from the intercropping of okra: radish at 1:2 row ratio and maximum Benefit Cost ratio (Rs. 7.73) was recorded from intercropping of okra: radish at 2:3 row ratio.

**Keywords: Growth parameters, Light intensity, Light transmission ratio, Land equivalent ratio, Okra equivalent yield, Benefit cost ratio.**

**INTRODUCTION**

Intercropping is practiced with the aim of maximizing plant cooperation rather than plant competition for maximum crop yields (Sullivan, 2001). Interplanting of crops by smallholder and peasant farmers has been a

common practice throughout the years. Mono-cropping or pure stands have been emphasized, because of its advantages (Anderson et al.1980; Gondwe, 1992). Despite the advantages of mono-cropping