

However, in the male flowers, band F has a higher intensity than that in the female flowers (figure 2A-D).

In both male and female plants the leaves have the same isoenzyme bands A, B, D, E and F. The internodal segments of the male have A-F and female have A, B, D, E, F.

The present study has shown that the isoenzyme patterns of peroxidase and acid phosphatase are different in shoots of the male and female plants. It is also noted that the isoenzyme pattern changes as the flowers mature. This variation indicates that the isoenzymes may be involved in sex expression in *Coccinia*. In *Cannabis sativa* the male flowers are characterized by the presence of three specific isoperoxidases¹⁷.

The isoenzymes of alkaline phosphatase could not be stained even after using different staining methods. Brewbaker *et al*¹⁸ have also reported their inability to stain the bands of alkaline phosphatase with fast blue RR and α -naphthyl phosphate using plant extract.

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