

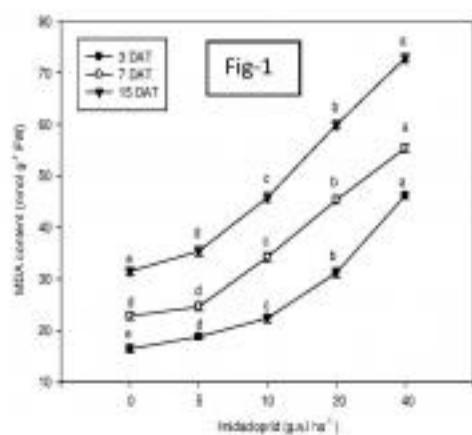


Fig-1

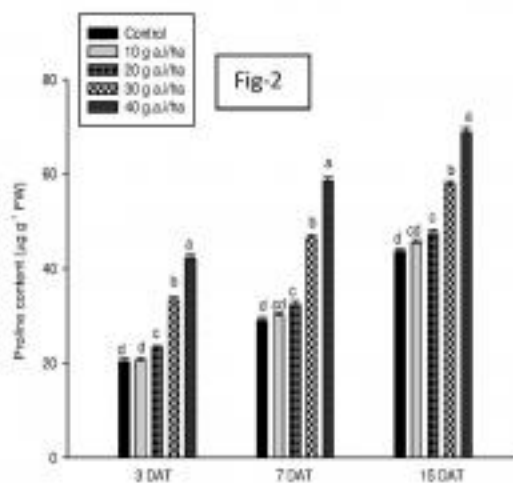


Fig-2

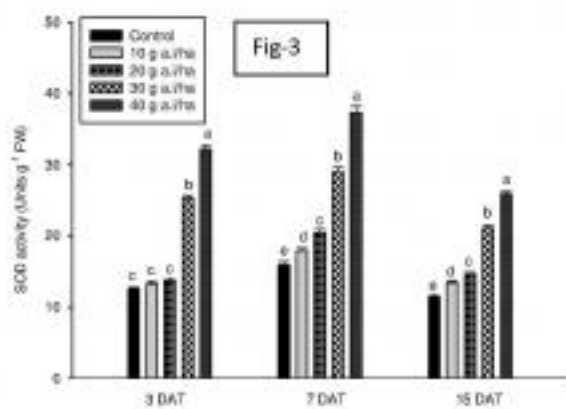


Fig-3

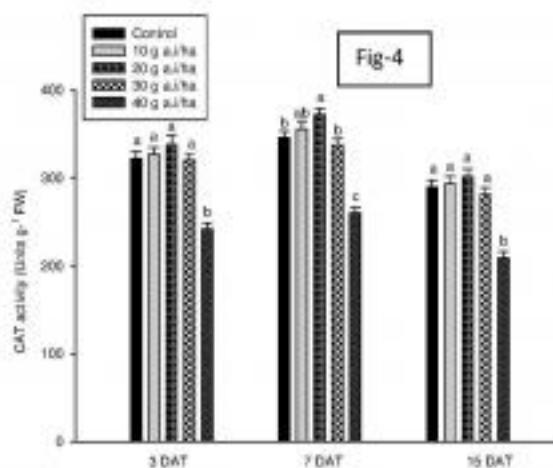


Fig-4

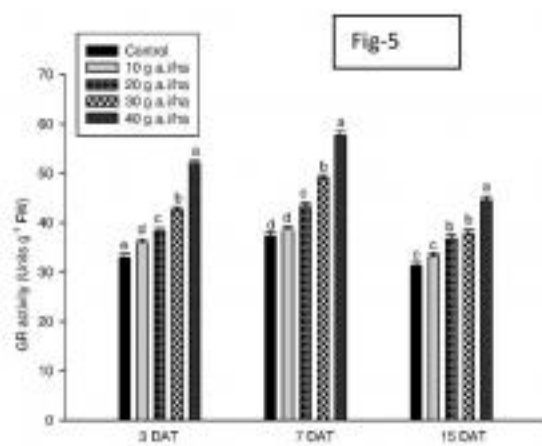


Fig- 5

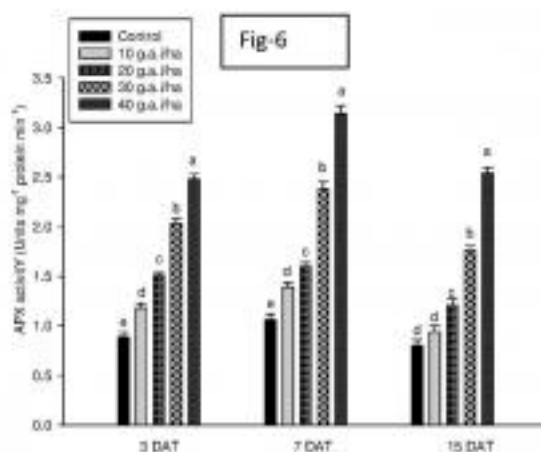


Fig-6

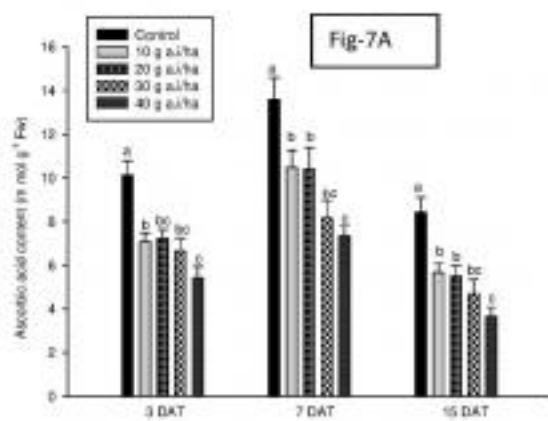


Fig-7A

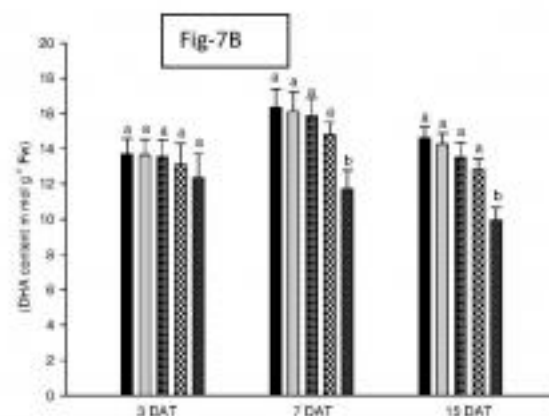


Fig-7B

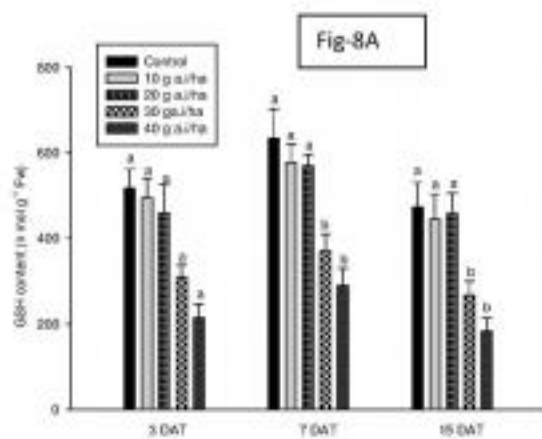


Fig-8A

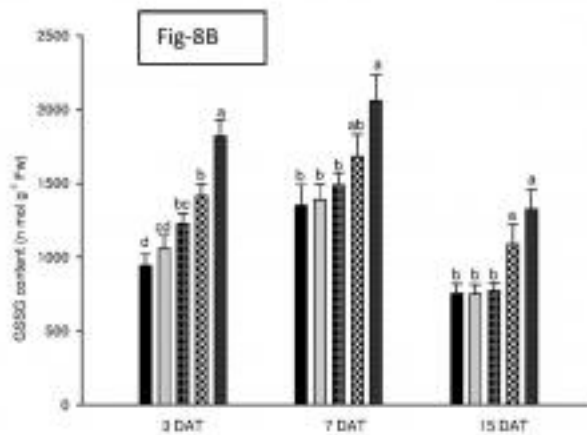


Fig-8B

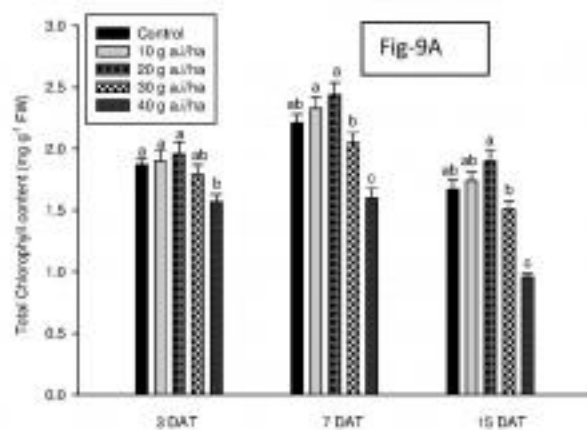


Fig-9A

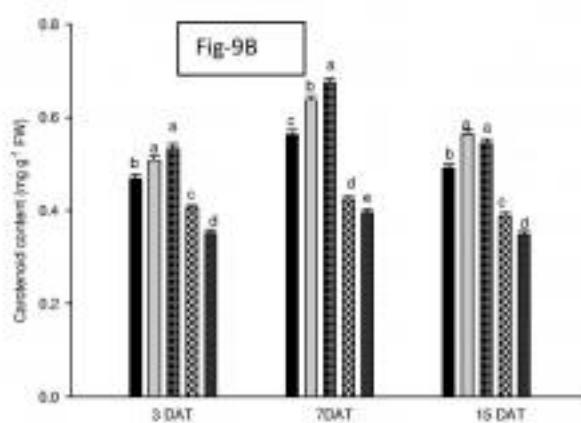


Fig 9B

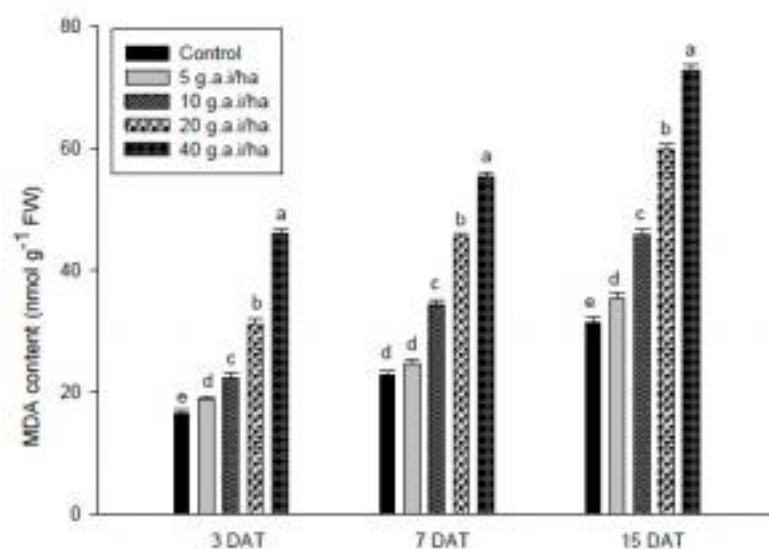


Fig 1

Fig 1 Change in MDA content ($\text{nmol g}^{-1} \text{FW}$) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)

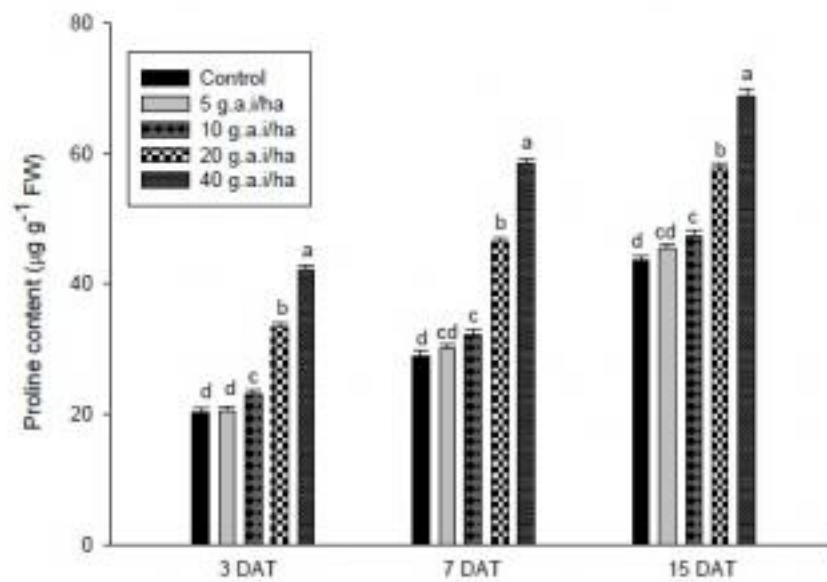


Fig 2

Fig 2 Change in proline content ($\mu\text{g g}^{-1}$ FW) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)

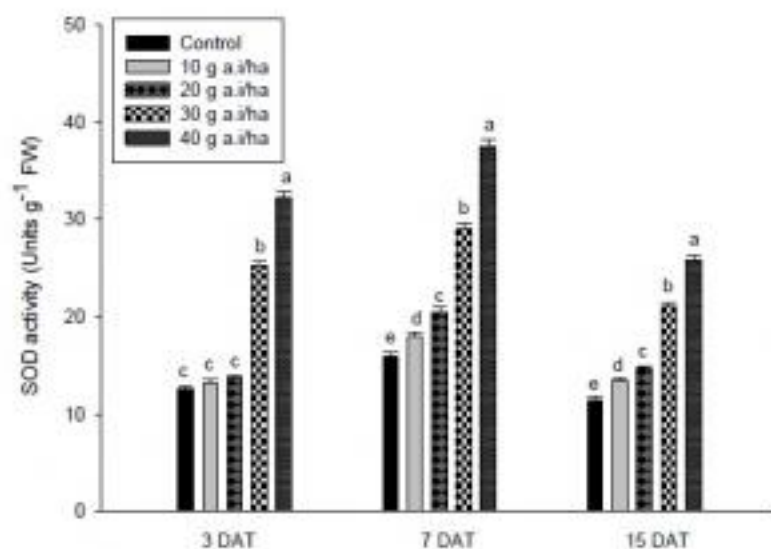


Fig 3

Fig 3 Change in SOD activity (Units mg^{-1} protein min^{-1}) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)

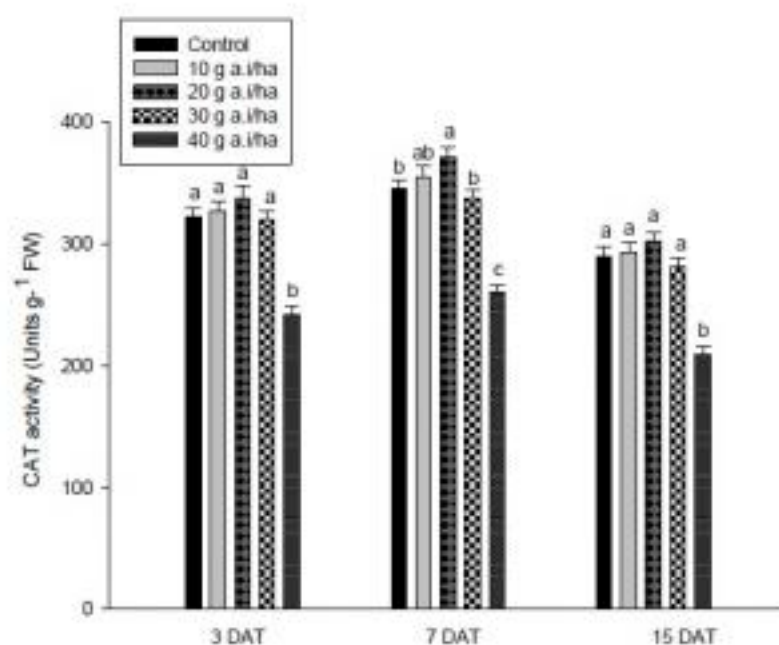


Fig 4

Fig 4 Change in CAT activity (Units mg⁻¹ protein min⁻¹) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE (n = 4)

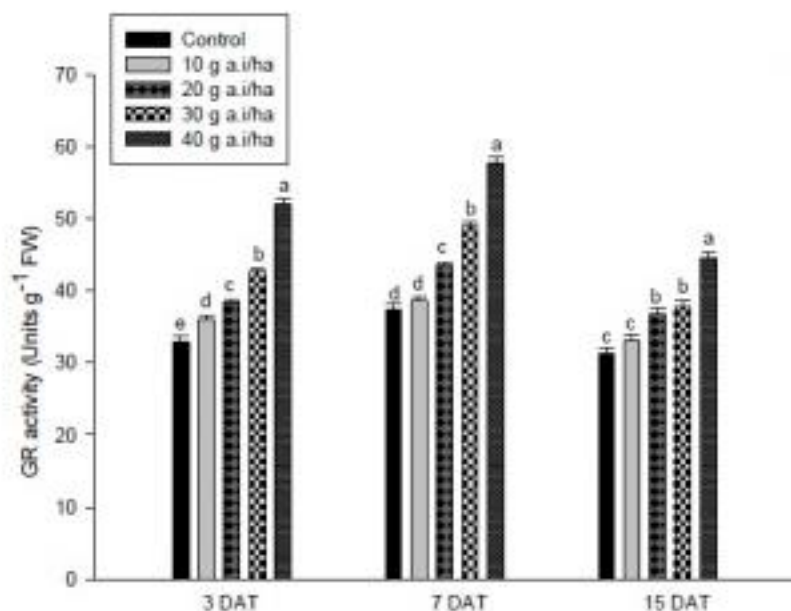


Fig 5

Fig 5 Change in GR activity (Units mg⁻¹ protein min⁻¹) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE (n=4)

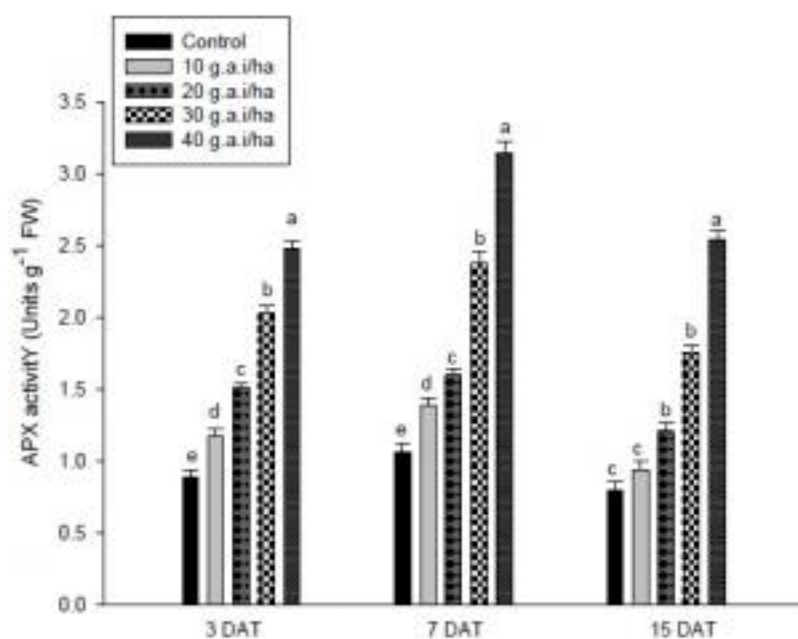


Fig 6

Fig 6 Change in Apx activity (Units mg⁻¹ protein min⁻¹) at various growth stages of *Brassica juncea* L. Cv. alankar exposed to different concentrations of imidacloprid. Values with different small letters at each time point are significantly (p<0.05) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE (n=4)

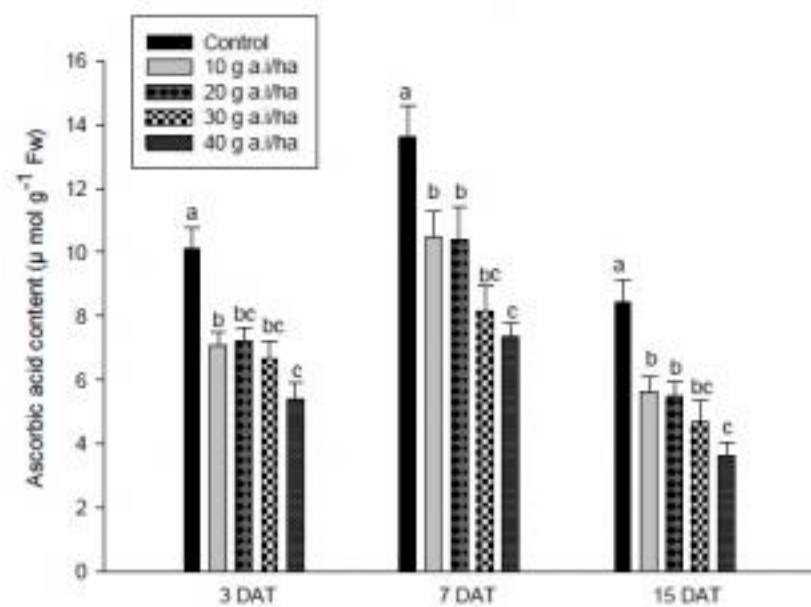


Fig 7A

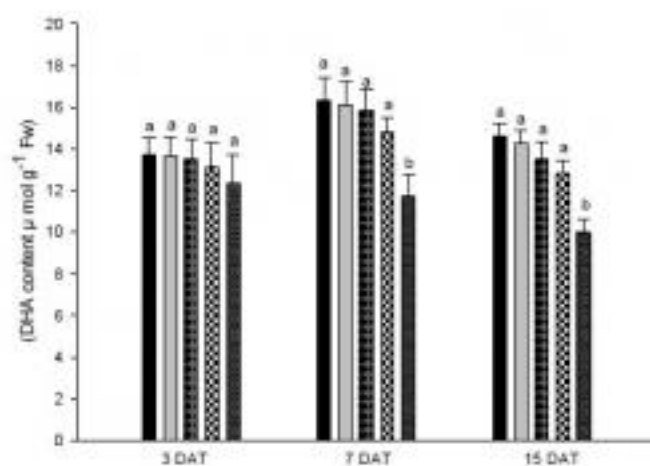


Fig 7B

Fig 7 Variation in ascorbate content at various growth stages of *Brassica juncea* L. treated with different concentration of imidacloprid. **(A)** Ascorbic acid (Asc) content ($\mu\text{mol g}^{-1}$ FW) and **(B)** dehydroascorbate (DHA) content ($\mu\text{mol g}^{-1}$ FW). Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)

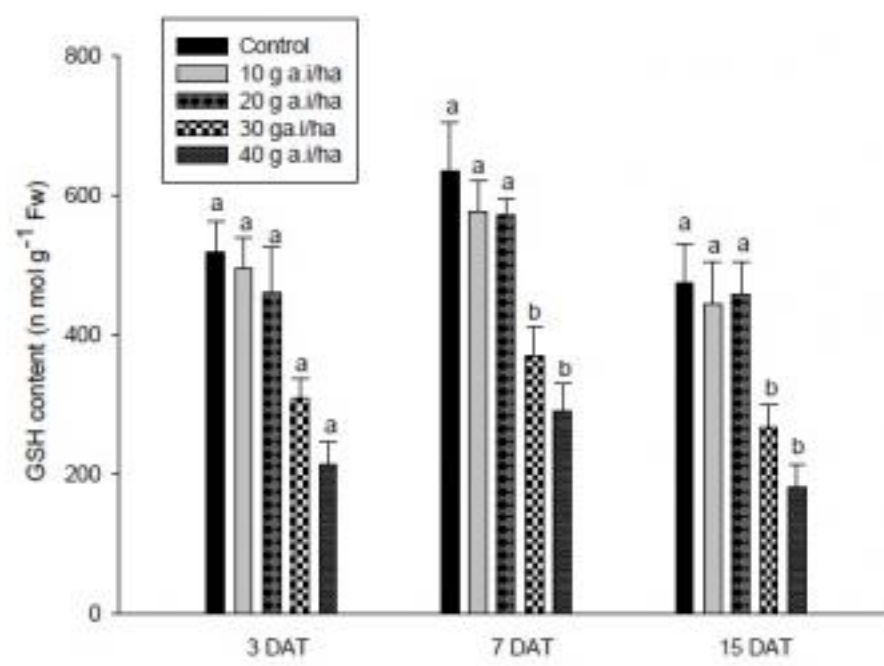


Fig 8A

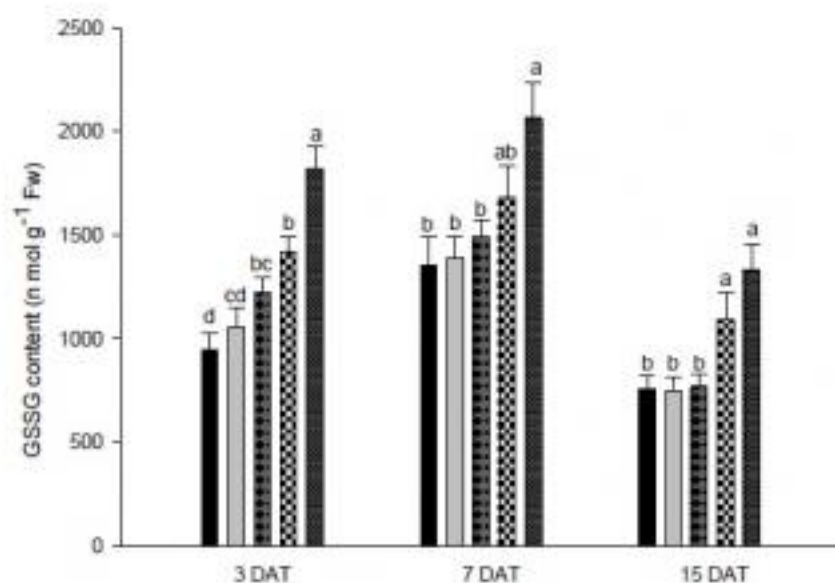


Fig 8B

Fig 8 Variation in glutathione content at various growth stages of *Brassica juncea* L. treated with different concentration of imidacloprid. **(A)** reduced GSH content (n mol g^{-1} FW) and **(B)** oxidised GSSG content (n mol g^{-1} FW). Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)

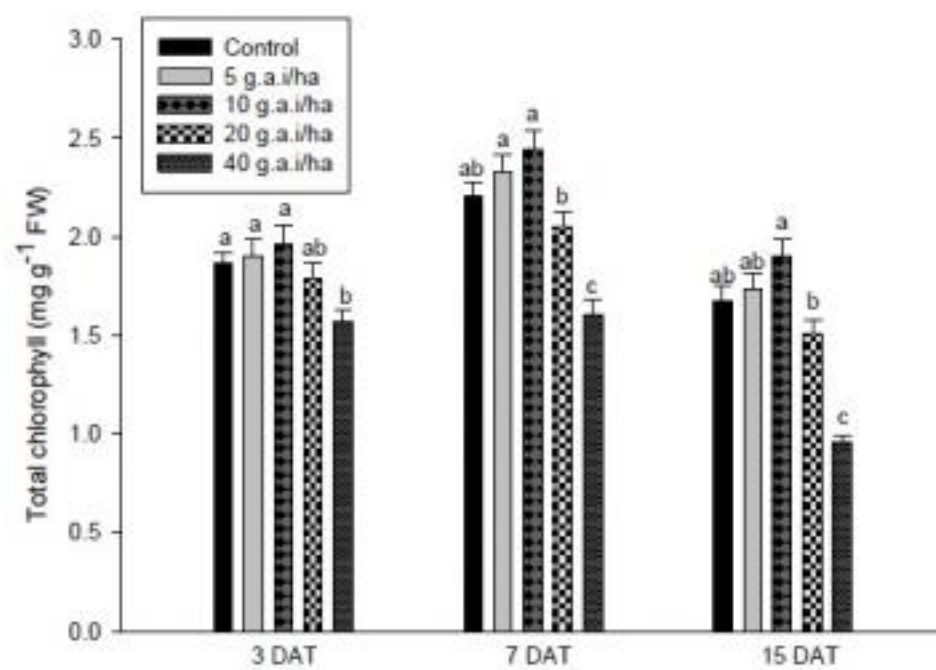


Fig 9A

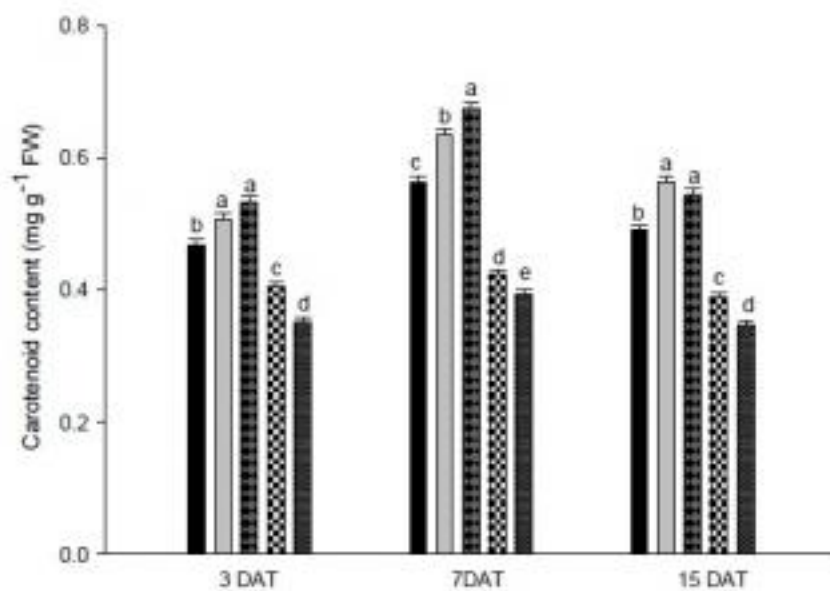


Fig-9B

Fig 9 Effect of different concentrations of imidacloprid on photosynthetic pigments of *Brassica juncea* L. Cv. alankar at different growth stages. **(A)** Total chlorophyll content [mg g^{-1} FW]. **(B)** Carotenoid content [mg g^{-1} FW]. Values with different small letters at each time point are significantly ($p < 0.05$) different from each other (Duncan's multiple range test). The values represent Mean $\pm$ SE ($n = 4$)