Group 4:

Flower-Pollinator-Mantis Model:

$$\frac{dF}{dt} = k_1 \frac{PF}{1+\alpha PF} - d_1 F \tag{1}$$

$$\frac{dP}{dt} = k_2 \frac{PF}{1+\alpha PF} - k_3 \frac{MP}{1+\beta P} - d_2 P \tag{2}$$

$$\frac{dM}{dy} = k_4 \frac{MP}{1+\beta P} - d_3 M \tag{3}$$