HYPOTHESIS:

The extraction, isolation, purification and characterization of Catalase (CAT), Superoxide dismutase (SOD), POX (Peroxidase), Glutathione reductase, Ascorbate peroxidase, Xanthine oxidase, Monodehydroascorbate reductase (MDHAR), Dehydroascorbate reductase (DHAR), Glutathione peroxidase antioxidant enzymes present in chilli plants roots, leaves and fruits may be helpful for the enhancement of their quality and quantity in plants itself and for their consumers.

AIMS AND OBJECTIVES:

AIMS: In this study the aim is extraction, purification and characterization of Catalase (CAT), Superoxide dismutase (SOD), POX (Peroxidase), Glutathione reductase, Ascorbate peroxidase, Xanthine oxidase, Monodehydroascorbate reductase (MDHAR), Dehydroascorbate reductase (DHAR) and Glutathione peroxidase antioxidant enzymes in chilli plants roots, leaves and fruits.

OBJECTIVES:

Our study will be focused on the following objectives.

- To extract Catalase (CAT), Superoxide dismutase (SOD), POX (Peroxidase), Glutathione reductase, Ascorbate peroxidase, Xanthine oxidase, Monodehydroascorbate reductase (MDHAR), Dehydroascorbate reductase (DHAR) and Glutathione peroxidase antioxidant enzymes in chilli plants roots, leaves and fruits.
- To purify Catalase (CAT), Superoxide dismutase (SOD), POX (Peroxidase), Glutathione reductase, Ascorbate peroxidase, Xanthine oxidase, Monodehydroascorbate reductase (MDHAR), Dehydroascorbate reductase (DHAR) and Glutathione peroxidase antioxidant enzymes in Chilli plants roots, leaves and fruits.
- To characterize Catalase (CAT), Superoxide dismutase (SOD), POX (Peroxidase), Glutathione reductase, Ascorbate peroxidase, Xanthine oxidase, Monodehydroascorbate reductase (MDHAR), Dehydroascorbate reductase (DHAR) and Glutathione peroxidase antioxidant enzymes in chilli plants roots, leaves and fruits.