

**Changes in the cell wall degrading enzyme and peroxidase activities during development and ripening of guava cv. Allahabad Safeda (*Psidium guajava* L.)**

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**ABSTRACT :** Changes in the activities of cell wall degrading enzymes pectinmethylesterase (PME) and cellulase along with activity of antioxidant enzyme peroxidase (POD) were investigated during development and ripening stages of guava fruit cv. Allahabad Safeda. PME activity increased up to the climacteric peak of respiration, whereas cellulase showed progressive increase in activity throughout ripening. Similarly, POD activity decreased during development of the fruits and increased in the pre-ripening and ripening stages.

**Key Words :** Guava, enzyme changes, cellulase, peroxidase, fruit ripening