

# Ascorbic acid and ascorbate peroxidase based defence system induced by *Pseudomonas fluorescens* against wilt pathogen in chickpea

■ U.K. KANDOLIYA\* AND D.N. VAKHARIA

Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, JUNAGADH (GUJARAT) INDIA

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**\*Corresponding author:**

Email: [ukkandolia@yahoo.com](mailto:ukkandolia@yahoo.com)

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## ABSTRACT

An induction of defense mechanisms against pathogens along with induction of antioxidant system is the mechanisms by which PGPR promote plant growth promotion is well known. So, the present experiment was conducted to study the plant defense system induced by PGPR bacteria *Pseudomonas fluorescens* against *Fusarium* wilt in chickpea. The results suggest that seed treatment of *Pseudomonas fluorescens* effectively elicits activity of defense-related antioxidant system such as ascorbic acid and APX leading to improved plant resistance and reduces the mortality of chickpea plant against soil borne disease like wilt.

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