

RESEARCH PAPER

In vitro enzymatic antioxidants potency of *Citrus karna* seeds

SHRADDHA MICHAEL* AND SUSHMA

Department of Biochemistry and Biochemical Engineering, Sam Higginbottom Institute of Agriculture, Technology and Sciences-Deemed University, ALLAHABAD (U.P.) INDIA

ABSTRACT

Present study was undertaken to evaluate eight enzymatic antioxidants in *Citrus karna*. Those are Glutathione-S-transferase, Peroxidase, Glutathione peroxidase, Polyphenol oxidase, Glutathione reductase, Superoxide dismutase, Guaiacol peroxidase and Catalase. Seeds were taken for assaying all the above antioxidants and found Peroxidase enzyme having highest specific activity (8.182U/mg).

Key Words : Enzymatic antioxidants, Peroxidase, Seeds, *Citrus karna*

View point paper : Michael, Shraddha and Sushma (2016). *In vitro* enzymatic antioxidants potency of *Citrus karna* seeds. *Asian Sci.*, **11** (1): 52-55, DOI : 10.15740/HAS/AS/11.1/52-55.

.....

* Author for correspondence

Shraddha Michael, Department of Biochemistry and Biochemical Engineering, Sam Higginbottom Institute of Agriculture, Technology and Sciences-Deemed University, ALLAHABAD (U.P.) INDIA (Email: shraddha.mic.11@gmail.com)