

## Abstract

# A study on Antioxidant Properties of Different Extracts from *Kitaibelia balansae* <sup>†</sup>

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<sup>†</sup> Presented at the 3rd International conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 18–20 December 2019.

Published: 26 December 2019

**Abstract:** Nowadays, knowledge of ancient botanical medicinal practices and application of modern phytochemical techniques have provided the excellent tools for the purification and structural elucidation of various phyto-compounds, which, in turn, has given insights into their mode of action on the human body. This study has been designed to investigate for the first time the antioxidant effects of the ethyl acetate, methanolic, and water extracts of *Kitaibelia balansae*. Different chemical methods were performed and the observed abilities depend on the solvent used. The best antioxidant ability was noted in water extract, followed by methanol and ethyl acetate extracts. The highest level of phenolic was also detected in water extract. The present findings suggest that *K. balansae* can be considered as a potential source of bioactive compounds for novel phytopharmaceuticals development

**Keywords:** *Kitaibelia balansae*; antioxidant; phenolics; natural agents



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