

## **Qualitative and quantitative estimation of free amino acids in the selected taxa of *Vicia faba***

**D.P. Mishra<sup>1</sup> and H.K. Chourasia<sup>2</sup>**

Received July 5, 2017 and Accepted September 29, 2017

**ABSTRACT :** *Vicia faba* is gaining ground in its cultivation and consumption as an excellent source of vegetable protein for human diet and is also being used as feed and fodder. Due to these potential, nutritional status of twelve cultivars of *Vicia faba* in term of free amino acids have been analysed. Results obtained on the ground of qualitative and quantitative estimation of free amino acids have been helpful to provide inherent picture of chemical evolution and range of diversification within cultivars of *Vicia faba*. The information are of course more or less of basic nature but definitely, these carry tremendous applied value in future breeding programmes on legume.

**Key Words:** *Vicia faba*, amino acids, chemical divergence.