

## **Cytophotometric study on DNA quantification in *Vicia faba* varieties**

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**ABSTRACT :** A thorough genomic survey of the cultivars of *Vicia faba* has not been done so far on a consolidated basis and that only fragmentary informations are available. Furthermore, a synthetic approach appears to be imperative in order to visualize the genomic differences at the cultivar level. Genomic divergence within *Vicia faba* has been known in terms of 2C nuclear DNA content through cytophotometry. Twelve cultivars have been obtained from seed banks of different research stations for DNA quantification. Results have shown some remarkable variations at the intraspecific level in nuclear DNA amount. This may be due to generic divergence within the gene pool of *Vicia faba*.

**Key Words :** *Vicia faba*, Cytophotometry, DNA quantification.