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Title: Occurrence of multivalents and additional chromosomes in the pollen mother cells of *Allium cepa* L.

Keywords: Allium cepa, Hyperploidy, Multivalent formation, Chiasma frequency

Year: 2011

Name of journal: *The Nucleus*

Volume & Issue 54(3)

Page No: 137-140

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Abstract

A group of six plants of *Allium cepa* L., a diploid species with 2n = 16, growing in Kiharian village of Jammu province was studied for somatic and meiotic details. While the somatic cells of these plants possessed normal chromosome count, 14.75% of their pollen mother cells had 16 plus 1–4 chromosomes. These plants were also peculiar in having 12.49 and 8.78% chromosomes associating as multivalents (trivalents to hexavalents) at diakinesis and at metaphase I respectively. Segregation of chromosomes was irregular at anaphase I and pollen stainability very low. Besides, describing meiotic anomalies in detail, the mechanisms likely to be responsible for the same are discussed in the present communication.

DOI 10.1007/s13237-011-0042-0