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INTERVARIETAL KARYOMORPHOLOGICAL STUDIES ON TWO SPECIES OF PASSIFLORA L. (PASSIFLORACEAE)

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The present study aimed to study the Karyomorphological analysis of seven species of Passiflora (P. edulis, P. foetida, P. subpeltata, P. quadraularis, P. ligularis, P. leschenaultii, and P. tripartita). The species are exhibited the diploid status with difference in chromosome number, ie, P. edulis f. flavicarpa (2n = 18), P. foetida var. foetida (2n = 20), P. subpeltata (2n = 18), P. quadrangularis (2n = 18), P. ligularis (2n = 18), P. leschenaultii (2n = 18) and P. tripartita (2n = 18) with perceptible difference in the karyotypic features, total chromosome length (TCL), and the total arm Percentage (TF%). Low TF% (38,05 %) observed in varieties of P. foetida point to the evolved nature of the species. Idiogram were constructed based on relative length of chromosomes.

Key words: Karyomorphology, chromosomes, karyotype and idiogram.

МІЖСОРТОВЕ КАРІОМОРФОЛОГІЧНЕ ДОСЛІДЖЕННЯ ДВОХ ВИДІВ PASSIFLORA L. (PASSIFLORACEAE)

Мета даного дослідження полягала у проведенні каріоморфологічного аналізу семи видів *Passiflora* (*P. edulis*, *P. foetida*, *P. subpeltata*, *P. quadraularis*, *P. ligularis*, *P. leschenaultii*, and *P. tripartita*). Ці види мають диплоїдний статус з різницею в кількості хромосом: *P. edulis* f. *flavicarpa* (2n = 18), *P. foetida* var. *foetida* (2n = 20), *P. subpeltata* (2n = 18), *P. quadrangularis* (2n = 18), *P. ligularis* (2n = 18), *P. leschenaultii* (2n = 18) та *P. tripartita* (2n = 18) з відчутними відмінностями щодо характеристик каріотипу, загальної довжини хромосоми (TCL) та сумарної довжини коротких плечей (TF%). Низькі значення TF% (38,05 %), які спостерігали у видів *P. foetida*, вказують на еволюційний розвиток виду. Ідіограми були розроблені на підставі відносної довжини хромосом.

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Ключові слова: каріоморфологія, хромосоми, каріотип, ідіограма.

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