

## **A cytotaxonomic study of five species of *Impatiens* (Balsaminaceae) in Java and Borneo, Malesia**

### **Abstract**

Somatic chromosome numbers of five species belonging to the genus *Impatiens* (Balsaminaceae) collected from Java and Borneo, Malesia are reported. *Impatiens chonoceras* Hassk. was found to be  $2n = 14$ , *I. javensis* Steud., *I. platypetala* Lindl., and *I. radicans* Zoll. were  $2n = 16$ , and *I. kinabaluensis* S. Akiyama & H. Ohba was  $2n = 12$ . Chromosome numbers of *I. chonoceras*, *I. javensis*, *I. radicans*, and *I. kinabaluensis* were examined for the first time. Karyotypes of *I. javensis*, *I. platypetala*, and *I. radicans* are similar and are thought to be closely related to each other. Taxonomical notes for each species are given.