

THE VEGETATION OF THE SUBTROPICAL ZONE IN THE GUANGXI ZHUANG AUTONOMOUS REGION  
– GUANGXI (CHINA SN) ON SELECTED EXAMPLES

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*Summary*

The region of Guangxi with Guilin city located south of the capital includes a subtropical monsoon zone, which is one of the three climatic zones running through China. The area has environmental features typical of tropical karst such as surface and underground water circulation, strongly carbonate soil and natural vegetation adequate for the climatic and lithological-pedological conditions. The botanical variety is closely connected with climatic conditions (abundance of rainfall up to 2000 mm, high temperatures and the number of hours of sunshine per year) and the chemical status of the ground (calcareous soil of the karst area, high availability of Cu, Fe, Mn, Ni, Zn and high mobility of these micronutrients) (Hui Yang et al. 2014). Many species of plants exhibit the characteristics of endemism, because the spatial structure and the method of the settlement of the biotope by plants are affected by habitat requirements. The methodology of research conducted under field conditions was based on the taxonomic identification of the species with the division into common, domesticated and protected – showing the character of the endemic forms, and determination of the biotope conditions of their occurrence specifying the type of soil and its pH, water conditions in the place of the species occurrence and the exposure, that is lighting conditions. Especially abundant species found in the Guangxi region include, among others, bougainvillea (*Bougainvillea* Comm. ex Juss.), bamboo (*Bambusa* Shreb.), *Cycas* (*Cycas revoluta* Thunb.), *Cinnamomum* (*Cinnamomum verum* Scheffer), juniper (*Juniperus chinensis* L.) and 32 Małgorzata Anna Józwiak numerous domesticated species specific to tropical and subtropical zones: *diospyros* (*Diospyros* L.), banana (*Musa × paradisiaca* L.), mandarin (*Citrus reticulata* Blanco), and coffee (*Coffea arabica* L.). Endemic species of the region are Chinese pine (*Pinus tabuliformis* Carr.), *Metasequoia glyptostroboides*, ginkgo biloba (*Ginkgo biloba* L.), tung tree (*Aleurites fordii*), *Davidia involucrata* (*Davidia involucrata*

Baill.), *Cathaya* (*Cathaya agryophylla* Chun & Kuang) – “Chinese mountain tree”. All the identified taxa are plants characteristic of the tropics and subtropics but many of them are species introduced into this area.