

香港西贡牛尾海邻近岛屿植被与植物物种多样性

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Vegetation and vascular plant diversity of islands surrounding Port Shelter, Hong Kong, China

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摘要

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摘要 牛尾海是连接香港陆地和南中国海的重要通道。作者采取全面普查和重点线路补查的方法,于1997年8月、12月和2008年6月先后3次考察了牛尾海邻近各岛屿的植被概况和植物种类。结果表明,牛尾海邻近岛屿共有维管束植物345种,隶属于108科254属。植被类型以灌丛和草灌丛为主,兼有次生性常绿阔叶林和滨海砂生植被,并有相当数量的红树林分布。植物区系成分以热带、亚热带成分占优势,并分布有樟树(*Cinnamomum camphora*)、苏铁蕨(*Brainea insignis*)、龙眼(*Dimocarpus longan*)和粘木(*Ixonanthes reticulata*) 4种国家重点保护植物。根据调查结果和相关的文献资料,我们列出了该区域的植物名录。各岛屿植物物种丰富度与岛屿海拔高度、面积呈正相关关系,且与岛屿所处地理位置有直接关系。

关键词: 物种多样性 植被 植物区系 牛尾海

Abstract: Port Shelter is an important harbor connecting Hong Kong and South China Sea. To sample the vegetation type and plant species of islands neighboring Port Shelter, we carried out field survey with a number of transects in August and December of 1997, and June of 2008. Brushwood and shrub-grassland were the dominant vegetation types, followed with secondary evergreen broad-leaved forest. We also observed some beach and mangrove vegetation types. Integrating literature data with our survey data, we here provide a checklist of vascular plants on these islands. A checklist of 345 vascular plant species was developed, belonging to 254 genera and 108 families. Analysis of the floral elements showed that widespread tropical and subtropical species were dominant. Among these species, *Cinnamomum camphora*, *Brainea insignis*, *Dimocarpus longan* and *Ixonanthes reticulata* were listed as state protected species. Finally we discussed factors affecting species richness of each island.

Keywords: species diversity vegetation flora Port Shelter

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