

ツバル国を対象とした植栽工への応用を目的とした植生と地形特徴の調査
Investigation of geographical feature and vegetation using for planting plan of the coastal zone at Tuvalu

桑原 祐史^{1*}; 佐藤 大作²; 横木 裕宗³; 藤田 昌史⁴

KUWAHARA, Yuji^{1*}; SATO, Daisaku²; HIROMUNE, Yokoki³; FUJITA, Masafumi⁴

¹茨城大学 広域水圏環境科学教育研究センター, ²東京電機大学, ³茨城大学 工学部 都市システム工学科, ⁴茨城大学 工学部 都市システム工学科

¹Center for Water Environment Studies, Ibaraki University, ²Dept. of Architectural, Civil and Environmental Engineering, Tokyo Denki University, ³Dept. of Urban and Civil Engineering, Ibaraki University, ⁴Dept. of Urban and Civil Engineering, Ibaraki University

The objective of this study is to investigate the geographical feature of coastal vegetation growing in Funafuti Atoll, Tuvalu. In order to maintain the living environment of the South Pacific islands countries, sea-level rise is a serious problem. Thus, in this study, analyzed was the relation of land cover of shoreline area and hinterland by using aerial photograph (1984) and satellite image (2004). Then, geographical feature conditions of the coastal vegetation growing under natural condition were surveyed, and it was found that the coastal vegetation was growing in the altitude between 1.1m - 2.2m at Fongafale-island, Funafuti atoll.