

A black and white photograph of the SEARCA building entrance. The word "SEARCA" is displayed in large, raised, block letters on a white horizontal panel above the entrance. In the foreground, a large, abstract, textured sculpture stands on a tiered base. The sculpture is composed of various geometric shapes and has a perforated or pitted surface. The building's facade is made of vertical slats, and palm trees are visible in the background.

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PAPERS



Coastal Landscape Restoration in Ranong Mangrove Forest, Ranong Province, Thailand

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ABSTRACT

The Ranong mangrove ecosystem in Thailand was evaluated for its mangrove attributes and species distribution. The aim was to assess, identify, and recommend suitable restoration areas and mangrove species for rehabilitation and restoration using biodiversity corridor network. Six study sites were selected based on accessibility, size of mangrove patch, and associated elements such channels and distance. Remote sensing data on patch size, shape, and arrangement were collected using Landsat-5 TM. The Point Centered Quarter (PCQ) method of vegetation analysis was used to profile the distribution of mangrove species. Four dominant taxa, namely: *Rhizophora*, *Avicennia*, *Ceriops*, and *Bruguiera* were recommended for planting in identified areas. Coastal landscape rehabilitation will restore ecological habitats as well as provide livelihood for local residents.

Keywords: mangrove ecosystem rehabilitation, biodiversity conservation, coastal zone, dominant species, corridor network

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Comparative Altitudinal Vegetation Zonation of Philippine Mountains: Issues and Concerns

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ABSTRACT

The altitudinal vegetation zonation of selected Philippine mountains (Mt. Pulag, Mt. Akiki, Mt. Mayon, Mt. Makiling) were documented using cluster and ordination analyses. A critical analysis of the observed pattern of vegetation zonation in these mountain ecosystems was comparatively done. Environmental issues like biodiversity loss, habitat degradation, deforestation, bioinvasion, among others, were evident. Concerns for environmental rehabilitation and ecological restoration through appropriate sustainable management practices are elucidated.

Keywords: environment, natural resource management, biodiversity loss, habitat degradation, environmental rehabilitation, ecological restoration.

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