

# Macroecological patterns of forest structure and allometric scaling in mangrove forests

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## Funding information

U.S. Forest Service International Programs; USAID Indonesia Forest and Climate Supports, Grant/Award Number: AG-3187-C-13-0010; NSF, Florida Coastal Everglades Long-Term Ecological Research Program, Grant/Award Number: DEB-1832229; CAPES/CNPq, Grant/Award Number: BEX1930/13-3, BEX18379/12-5

## Abstract

**Aim:** Mangrove wetlands span broad geographical gradients, resulting in functionally diverse tree communities. We asked whether latitudinal variation, allometric scaling relationships and species composition influence mangrove forest structure and biomass allocation across biogeographical regions and distinct coastal morphologies.

**Location:** Global.

**Time period:** Present.

**Major taxa studied:** Mangrove ecosystems.

**Methods:** We built the largest field-based dataset on mangrove forest structure and biomass to date (c. 2,800 plots from 67 countries) to address macroecological