

## Accepted Manuscript

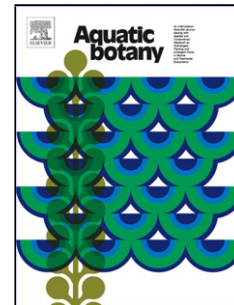
Title: Plant distribution along an elevational gradient in a macrotidal salt marsh on the west coast of Korea

Authors: Jeong Hwan Bang, Mi-Jung Bae, Eun Ju Lee

PII: S0304-3770(17)30303-0  
DOI: <https://doi.org/10.1016/j.aquabot.2018.03.005>  
Reference: AQBOT 3019

To appear in: *Aquatic Botany*

Received date: 24-8-2017  
Revised date: 19-3-2018  
Accepted date: 25-3-2018



Please cite this article as: Bang JH, Bae M-Jung, Lee EJ, Plant distribution along an elevational gradient in a macrotidal salt marsh on the west coast of Korea, *Aquatic Botany* (2018), <https://doi.org/10.1016/j.aquabot.2018.03.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Plant distribution along an elevational gradient in a macrotidal salt marsh on the west coast of Korea

Jeong Hwan Bang<sup>a</sup>, Mi-Jung Bae<sup>b</sup>, Eun Ju Lee<sup>a,\*</sup>

<sup>a</sup> *School of Biological Sciences, Seoul National University, Seoul 08826, Korea*

<sup>b</sup> *Freshwater Biodiversity Research Bureau, Nakdonggang National Institute of Biological Resources, Sangju 37242, Korea*

\*Corresponding author: Eun Ju Lee

E-mail: ejlee@snu.ac.kr

Postal address: School of Biological Sciences, Seoul National University,  
Seoul 08826, Korea

### Highlights

- Salt marsh plant species showed a distinct zonation according to elevation.
- Plots formed four clusters based on similarities in plant community composition.
- *Suaeda japonica* occurred in the widest range of elevation and salinity.
- There was considerable variation in salinity among the high-elevation plots.
- Soil available phosphorus had a significant negative correlation with elevation.

### Abstract

The distribution of halophytes in salt marshes is generally determined by environmental gradients, and it is important to identify the principal factors involved. This study recorded how marsh plants, which have received limited attention, were distributed along elevational gradients, and investigated the environmental factors affecting their distribution on the Siheung Tidal Flat, which has one of the

Download English Version:

<https://daneshyari.com/en/article/8883577>

Download Persian Version:

<https://daneshyari.com/article/8883577>

[Daneshyari.com](https://daneshyari.com)