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Influences of *Spartina alterniflora* Invasion on Ecosystem Services of Coastal Wetland and its Countermeasures

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Biological invasions, a ubiquitously ecological phenomenon, can result in serious ecological consequences to native species and ecosystems through a variety of avenues. So the ecological impact of invasive plants is one of the most important issues in the study of biological ecology. Based on analyzing the *Spartina alterniflora* invasion process into the Chinese coastal wetland, the paper discussed major influences of *Spartina alterniflora* invasion on ecosystem services. They can increase the biomass of salt marsh ecosystem by spreading on the tidal flat, and have the potential to exclude native plants by competition. They also have great influence to on the hydrodynamic status, depositional process, soil formation, nutritional accumulation and vegetation succession. Therefore, pertinent countermeasures should be taken to manage the *Spartina alterniflora* ecosystem. It is very important to take full advantage of *Spartina alterniflora* and reduce the negative effect based on flat characters and using programming.

【Key Words】 : ***Spartina alterniflora* biological invasion ecosystem services countermeasure**
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