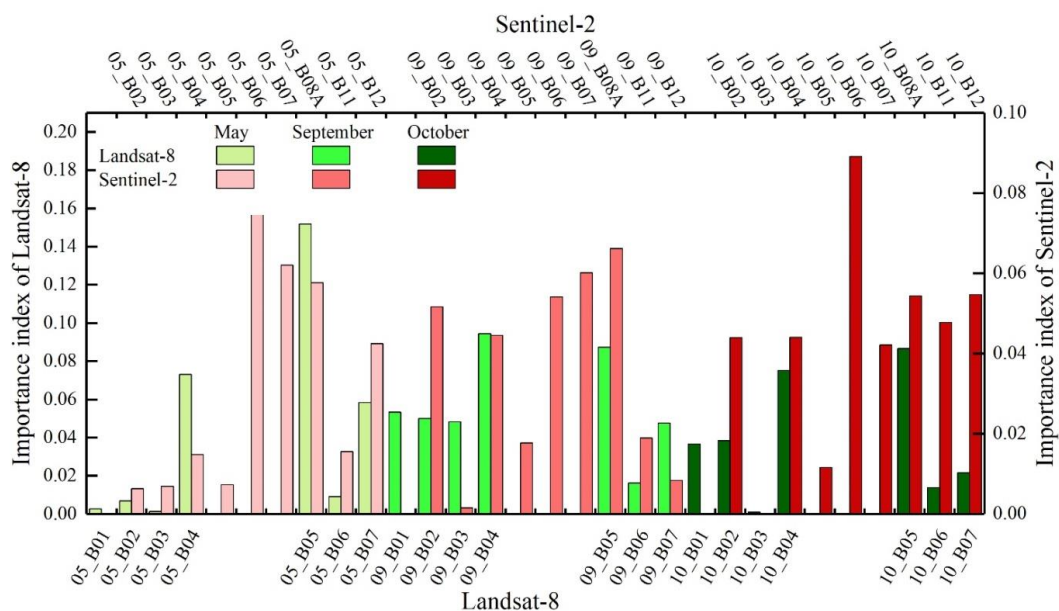
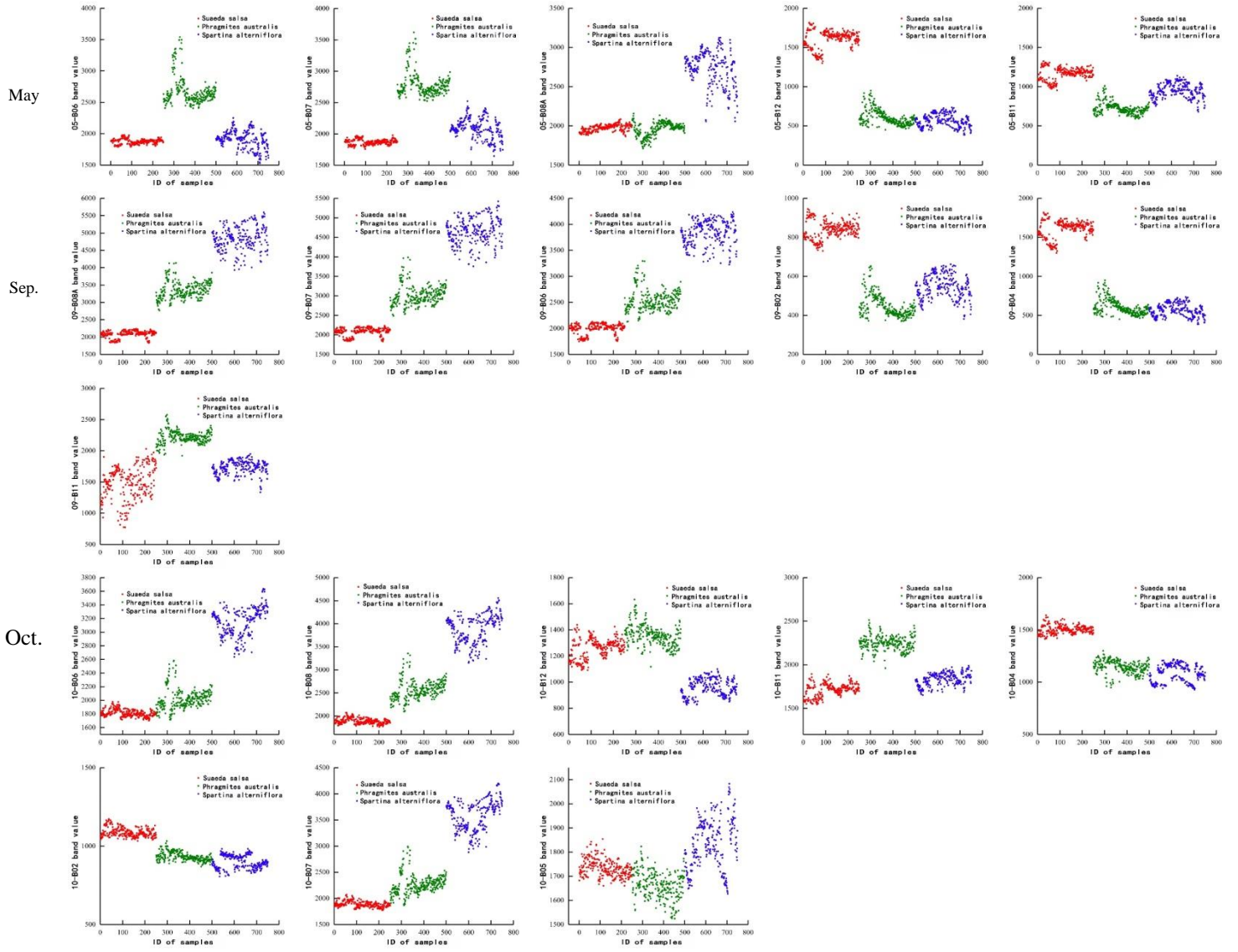


**Figure 1.** Location of the study area and field photos for (d) *S. salsa*, (e) *P. australis*, and (f) *S. alterniflora*

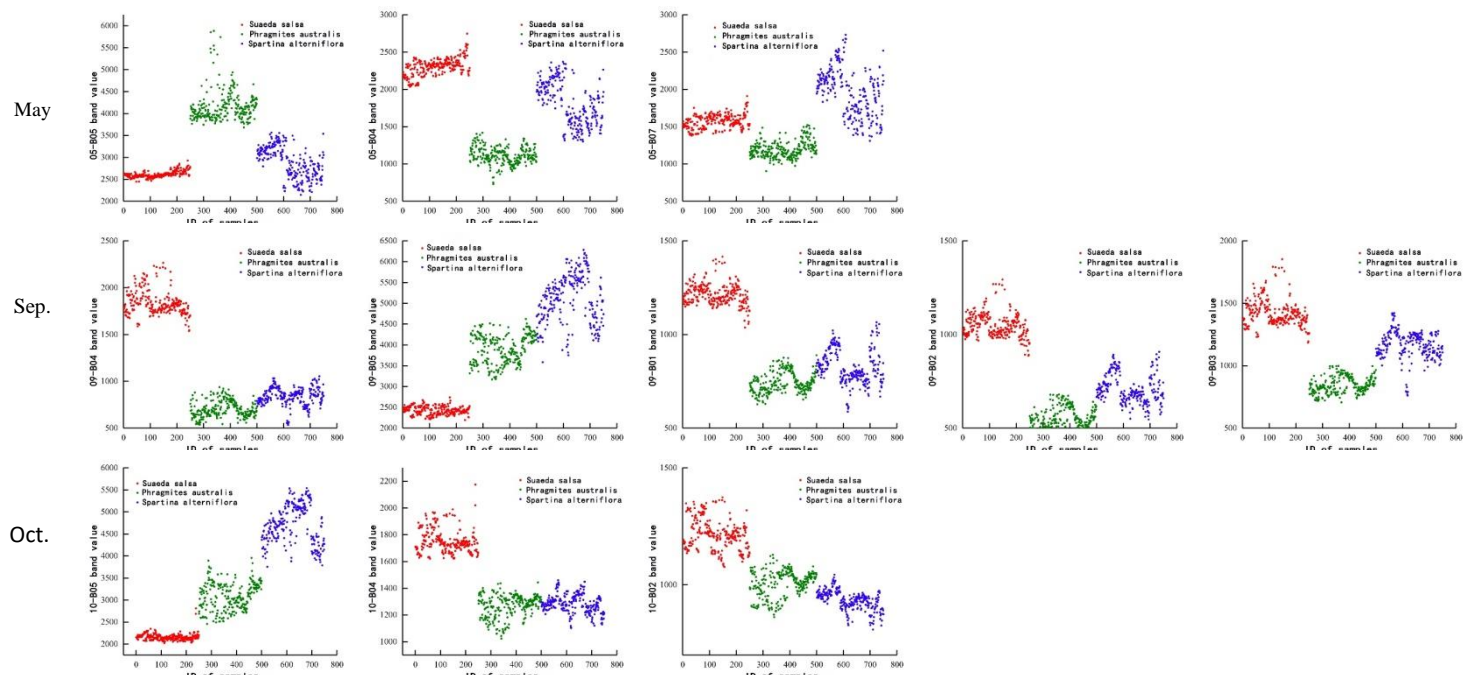


**Figure 2.** Importance of bands during different months from Sentinel-2 and Landsat-8 data.

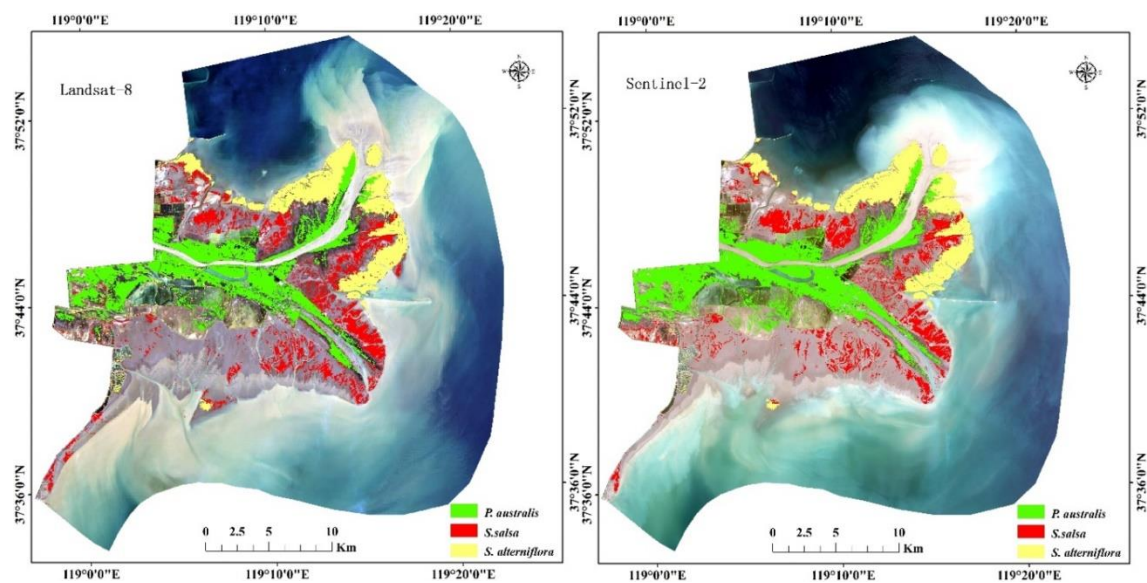
Note: 05\_B02 indicates the blue band of the image in May; 05\_B03 indicates the green band of the image in May... and so on, as shown in the figure.



**Figure 3.** Spectral separability of the first  $n$  important bands from Sentinel-2 during different months.

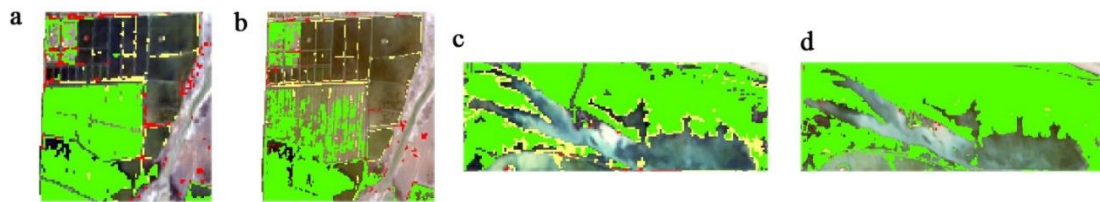


**Figure 4.** Spectral separability of the first n important bands from Landsat-8 during different months

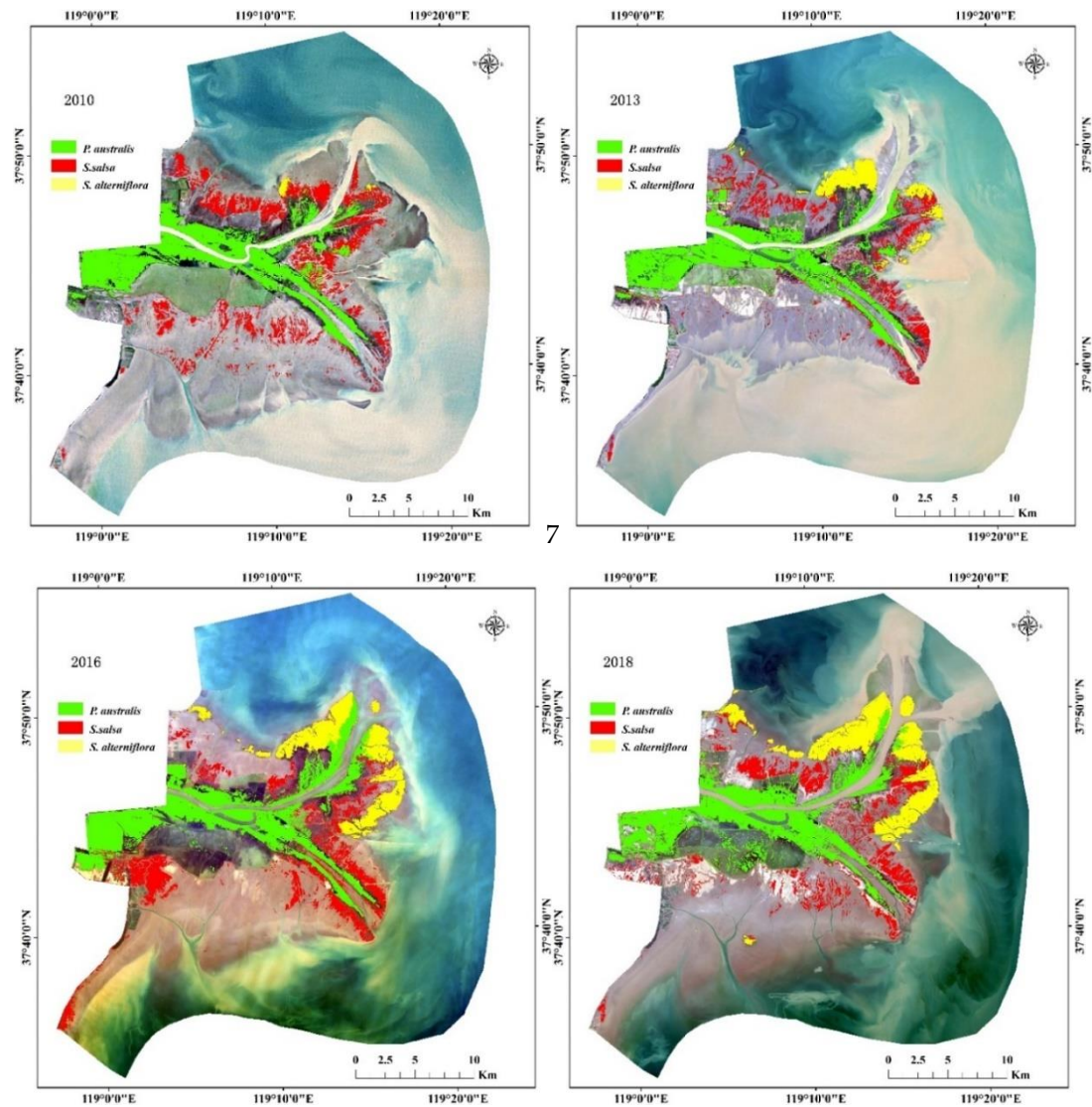


**Figure 5.** Locations of native and invasive plant species growing in the Yellow River Delta extracted from Landsat-8 (left) and Sentinel-2 (right) satellite data.

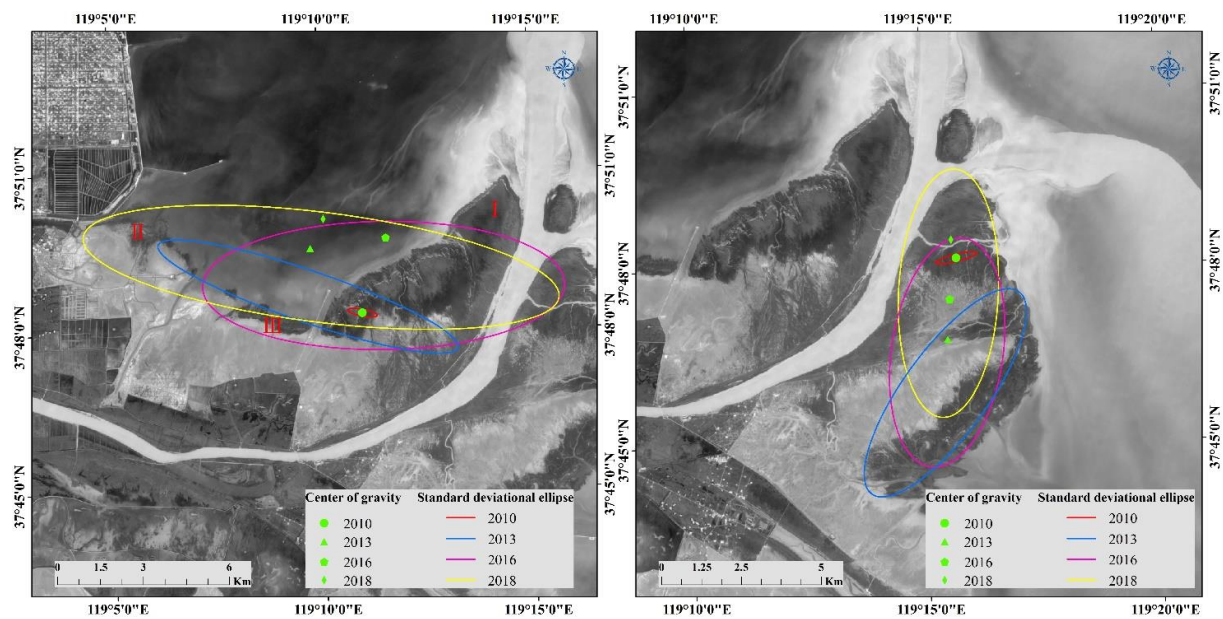




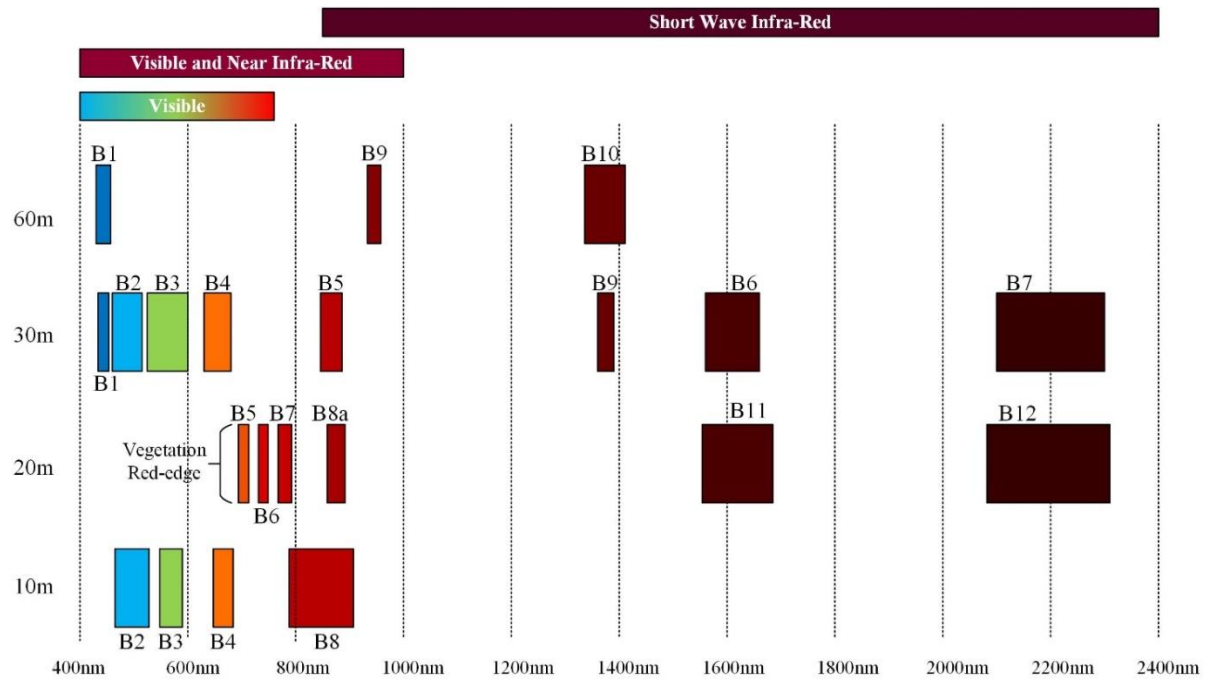
**Figure 6.** Comparison of extraction results for *P. australis* and *S. alterniflora* in some areas (left: human activity area, right: edge of *P. australis* extraction result; a, c: Landsat-8; b, d: Sentinel-2)



**Figure 7.** Multi-year extraction results showing the invasive and native species growing in the wetlands of the Yellow River Delta.



**Figure 8.** Changes in the spatial expansion pattern of *S. alterniflora* from 2010 to 2018.



**Figure S1.** Spectral and spatial information for Sentinel-2 MSI and Landsat-8 OLI (Changed from Sentinel-2 MSI Level 2A Products Algorithm Theoretical Basis Document)