

Electronic supplementary materials

Title: Green solutions for heavy metal pollution in the aquatic environment of the Nile islands: cues from some submerged and emergent macrophytes

Journal: Water Air Soil Pollution

Authors: Abdel Rahman Nadi, Elsayed Mohamed, Ahmed M. M. A. Kasem, Abd El-Mageed F. M. Ghanem, Mohamed O. Badry

Corresponding author

Dr. Elsayed Mohamed

Botany and Microbiology Department,

Faculty of Science, Al-Azhar University,

Assiut, 71524, Egypt.

Email ID: sayedmohamed@azhar.edu.eg

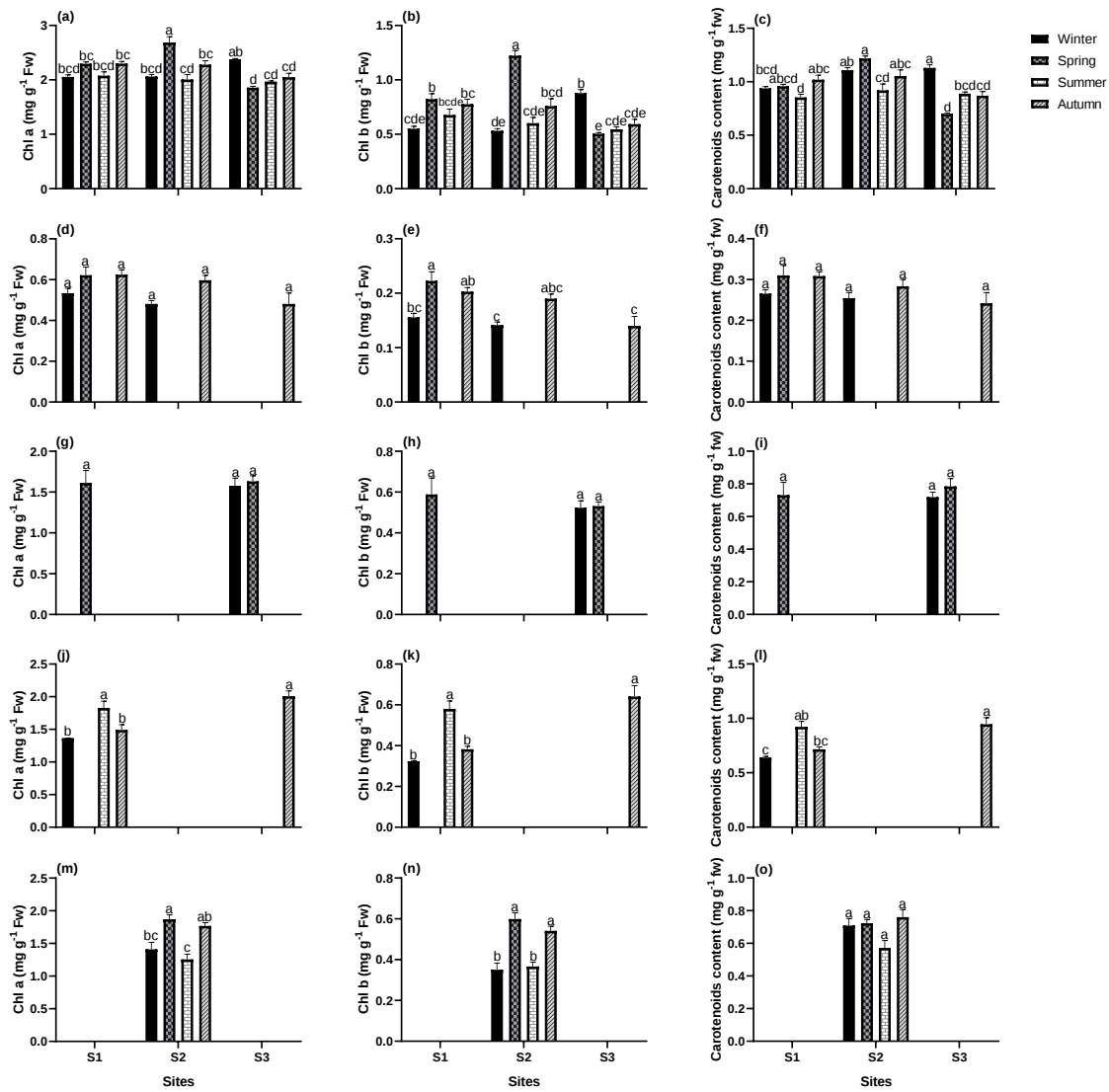


Fig. S1. Supplementary Fig. 1. Chlorophyll a, Chl b and carotenoids contents in the studied species: *Setaria geminata* (a, b, and c), *C. demersum* (d, e, and f), *Myriophyllum spicatum* (g, h, and i), *Persicaria senegalensis* (j, k, and L), *Ludwigia adscendens* (m, n, and O) from the three selected sites during different seasons. Values represent means of three replicates $\pm$ standard error. Different letters indicated significant differences among seasons and sites (Tukey's HSD, P<0.05).

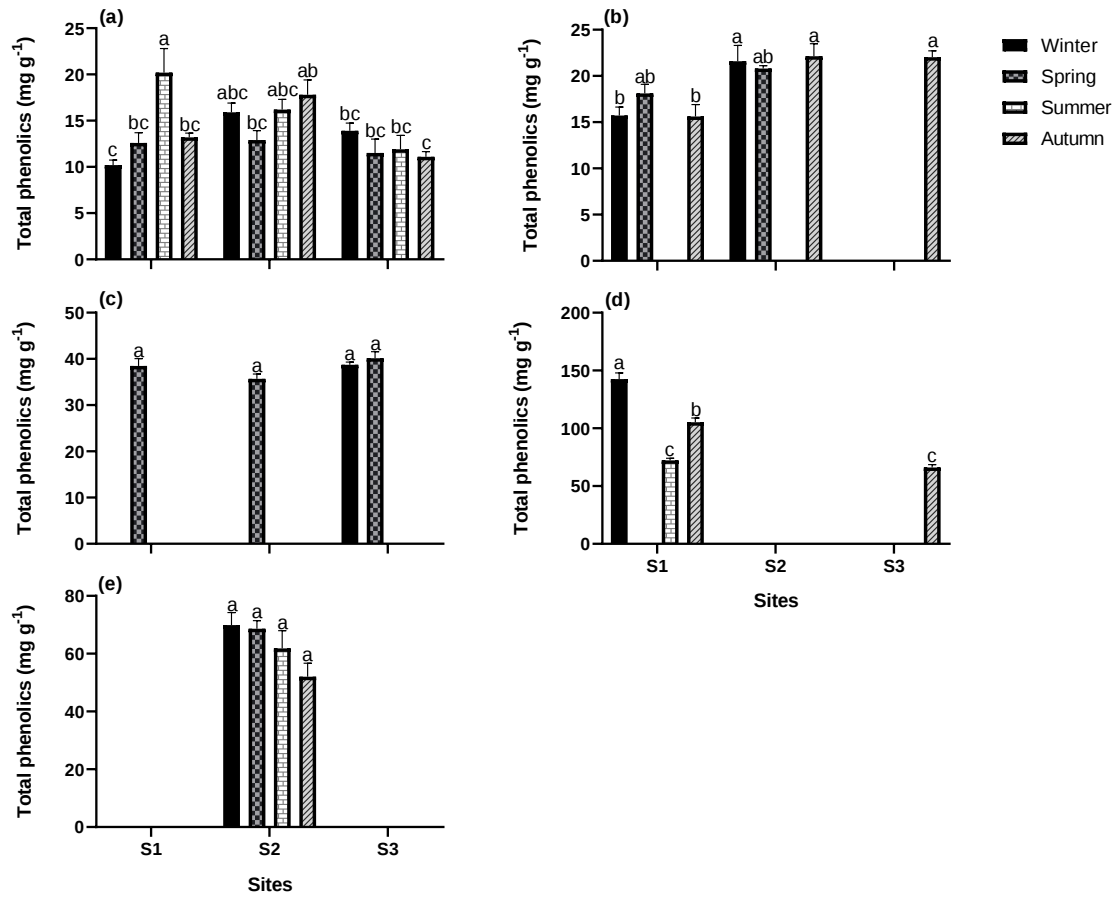


Fig. S2. Supplementary Fig. 2. Total phenol contents in the studied species (a) *Setaria geminata* shoot, (b) *C. demersum*, (c) *Myriophyllum spicatum*, (d) *Persicaria senegalensis* shoot, (e) *Ludwigia adscendens* shoot from the three selected sites during different seasons. Values represent means of three replicates $\pm$ standard error. Different letters indicated significant differences among seasons and sites (Tukey's HSD, $P < 0.05$).

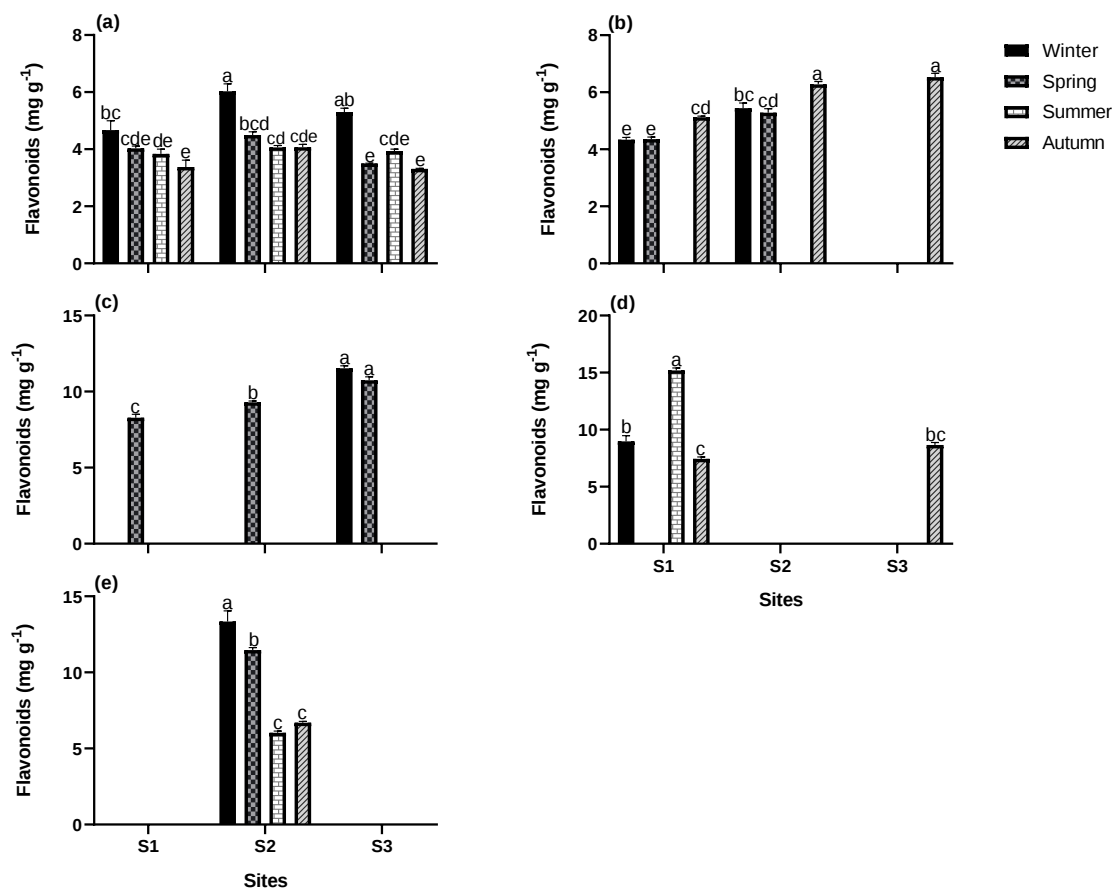


Fig. S3. Supplementary Fig. 3. Flavonoids contents in the studied species (a) *Setaria geminata* shoot, (b) *C. demersum*, (c) *Myriophyllum spicatum*, (d) *Persicaria senegalensis* shoot, (e) *Ludwigia adscendens* shoot from the three selected sites during different seasons. Values represent means of three replicates $\pm$ standard error. Different letters indicated significant differences among seasons and sites (Tukey's HSD, $P < 0.05$).