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## Elemental composition of different plant species

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### Abstract

Element concentrations in leaves and needles of different plant species (*Rhizophora mangle*, *Astertripolium*, *Vaccinium vitis-idaea* and *Pinus sylvestris*) are presented in the form of element concentration cadasters with reference to their abundance. The concentration cadasters of the two halophytes (*Rhizophoramangle* and *Aster tripolium*) show that the elements Na, Cl, Br and Sr occur at high concentrations in halophytes. The changes in chemical abundances of halophytes can be attributed to the extreme habitat conditions, i. e. physiological drought, under which they grow. Certain elements are preferentially accumulated in specific plants, e. g. Mn in *Vaccinium vitis-idaea*.

### Key words

- [Plant analysis](#),
- [Element concentration cadaster](#),
- [halophytes](#),
- [glycophytes](#)