

**MINERAL COMPOSITION OF SEVERAL *PEDICULARIS* SPECIES
(SCROPHULARIACEAE) OF THE POLAR URALS
AND THE KOLA PENINSULA**

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SUMMARY

The concentrations of K, Ca, Mg, Zn, Mn, Ni, Cu in aboveground parts of *Pedicularis sceptrum-carolinum* L., *P. labradorica* Wirsing, *P. oederi* Vahl, *P. sudetica* Willd s. l., and soils of their habitats were determined. We found that these species accumulate considerable amounts of Zn (79.3–154 mg/kg). Nickel concentrations in species growing on ultrabasic massif were much higher (17.2–32.6 mg/kg), in comparison with *P. sceptrum-carolinum* and *P. labradorica* on acidic substrates. Their low concentrations of Ni (4.04–8.30 mg/kg), should be considered as background level. Analysis of macro- and microelements in plants showed that K and Mn accumulated intensively by acidophyte species.

Key words: *Pedicularis*, zinc, nickel, accumulation.