

# Epiphytic mosses within *Orthotrichaceae* family in Góry Bialskie Mts. (SW Poland)

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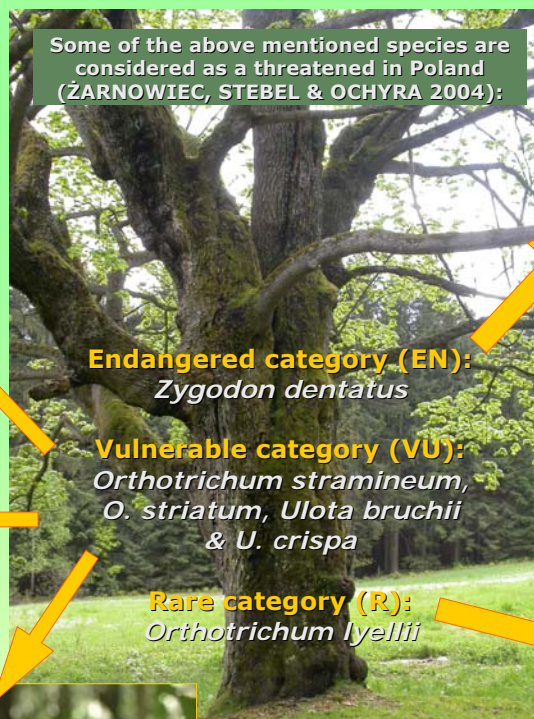
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Góry Bialskie Mts. is a mountain range (60 km<sup>2</sup> large) situated in the SW part of the Poland along Polish-Czech border line (see map). The scale of an altitude oscillates from 550 to 1140 m a.s.l. there. Thanks to high rates of rainfall (about 1000 mm per year) and impermeable surface, the range belongs to exceptionally humid region. Both of climatic conditions & number of suitable and easy-reached substrates (solitaire deciduous trees, alleys, fruit trees, etc.) enable the communities of epiphytic bryophytes to successfully evolve there.

Bryological survey of epiphytes in Góry Bialskie Mts. was carrying out during 2003-2005. Total 10 species of *Orthotrichum* genus (*O. affine*, *O. anomalum*, *O. diaphanum*, *O. lyellii*, *O. obtusifolium*, *O. pallens*, *O. pumilum*, *O. speciosum*, *O. stramineum* & *O. striatum*), 2 species of *Ulota* genus (*U. bruchii*, *U. crispa*) and 1 species of *Zygodon* genus (*Z. dentatus*) were recorded there by authors. Contrary to bryofloristical data from similar mountain ranges the diversity of epiphytic bryophytes seems to be higher there.

## Vulnerable taxa



## Endangered species



## Rare species



All recorded species were located by GPS navigator and moreover ecological data of them were collected (e.g. habitat, tree species - see graph, height-position at the trunk, size of moss cover, exposition, inclination of substrate, moisture and shadow conditions & fertility of the plants).

Relative frequency of occurrence of mosses within *Orthotrichaceae* family in relation to tree species

