

The inventory of bryophytes in Radhošť National Natural Reserve (Moravskoslezské Beskydy Mts, Czech Republic)

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Abstract: Bryological research in Radhošť National Natural Reserve was carried out in 2011. A list of all recorded taxa and their threat status are given.

Keywords: Bryophytes, Moravskoslezské Beskydy Mts, Czech Republic, Radhošť

Introduction

National Natural Reserve Radhošť is an extensive complex of primeval forest stands situated on the north-eastern part of the Czech Republic in summit areas of Moravskoslezské Beskydy mountain range (see map). The territory covers about 145 ha area in the climatically exposed slopes. The elevation lies between 660 and 1120 m a.s.l. The territory has been protected since 1955. Comprehensive bryological research has not been carried out there.

Methods

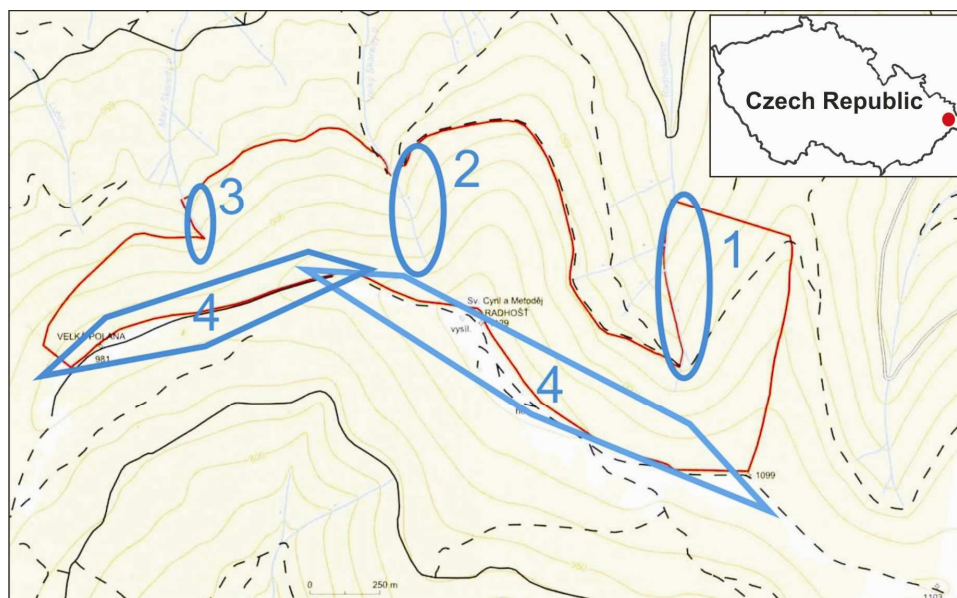
Intensive bryofloristic survey was realized by author during 2011. Herbarium specimens are housed in OP. For better presentation of recorded bryophytes the whole area was divided into 4 localities (see map):

Locality 1: area along the middle and upper part of Radhoštnice stream valley

Locality 2: area along upper part of Velký Škaredný potok stream valley

Locality 3: area along upper part of Malý Škaredný potok stream valley

Locality 4: primeval forest along a mountain ridge



Map 1: View on the study area with marking of the localities 1-4.

A list of recorded bryophytes

A total of 104 bryophytes were recorded (32 liverworts, 72 mosses) on the studied area. Nomenclature follows Kučera, Váňa & Hradílek (2012). Species are presented in alphabetical order. Each item in the list contains locality number(s) and threat status according to Kučera, Váňa & Hradílek (2012). A total of 10 species of bryophytes recently placed on the Red list were recorded (6 liverworts, 4 mosses) – see at the list below.

Liverworts

<i>Aneura pinguis</i>	1, 2	<i>Nowellia curvifolia</i> LC-att	1, 4
<i>Bazzania trilobata</i>	1, 4	<i>Pellia epiphylla</i>	1, 2, 3, 4
<i>Blepharostoma trichophyllum</i>	1, 2, 3, 4	<i>P. neesiana</i>	4
<i>Calypogeia azurea</i>	1, 2, 3	<i>Plagiochila asplenoides</i>	1
<i>C. muelleriana</i>	2	<i>P. porelloides</i>	1, 2, 3, 4
<i>Cephalozia bicuspidata</i>	1, 2, 3, 4	<i>Porella platyphylla</i>	4
<i>C. lunulifolia</i>	1, 3	<i>Ptilidium ciliare</i>	4
<i>Chiloscyphus pallescens</i> LC-att	1, 2, 3	<i>P. pulcherrimum</i>	4
<i>C. profundus</i>	1, 2, 3, 4	<i>Radula complanata</i>	1, 3, 4
<i>Conocephalum conicum</i>	3	<i>Riccardia latifrons</i> LC-att	1, 2, 3
<i>Frullania dilatata</i>	1, 3, 4	<i>R. palmata</i> LC-att	1, 2, 3
<i>Lepidozia reptans</i>	1, 2, 3, 4	<i>Scapania mucronata</i> DD	1
<i>Liochlaena lanceolata</i> LR-nt	1	<i>S. nemorea</i>	1, 2, 3
<i>Lophozia ventricosa</i> var. <i>ventricosa</i>	4	<i>S. undulata</i>	1, 2, 3
<i>Marchantia polymorpha</i>	1, 2	<i>Solenostoma gracillimum</i>	1, 2
<i>Metzgeria furcata</i>	1, 4	<i>Tritomaria exsecta</i>	1, 2

Mosses

<i>Amblystegium serpens</i>	1, 2, 3, 4	<i>O. speciosum</i>	2, 4
<i>Atrichum undulatum</i>	1, 2, 3, 4	<i>O. stramineum</i>	4
<i>Brachydontium trichodes</i> LC-att	1, 4	<i>Oxyrrhynchium hians</i>	3, 4
<i>Brachytheciastrum velutinum</i>	1, 2, 3, 4	<i>Oxystegus tenuirostris</i> LC-att	4
<i>Brachythecium rivulare</i>	1, 2	<i>Paraleucobryum longifolium</i>	1, 3, 4
<i>B. rutabulum</i>	1, 2, 3, 4	<i>Plagiomnium affine</i>	1, 2, 3, 4
<i>B. salebrosum</i>	1, 2, 3, 4	<i>P. undulatum</i>	1, 3, 4
<i>Bryum moravicum</i>	1, 2, 3, 4	<i>Plagiothecium curvifolium</i>	2, 3, 4
<i>B. pseudotriquetrum</i>	1, 2, 3	<i>P. denticulatum</i> var. <i>denticulatum</i>	3, 4
<i>Campylostelium saxicola</i>	1	<i>P. laetum</i>	1, 2, 3, 4
<i>Ceratodon purpureus</i>	4	<i>P. undulatum</i>	4
<i>Climacium dendroides</i>	1, 2	<i>Platygyrium repens</i>	1, 2, 3, 4
<i>Dicranella heteromalla</i>	1, 2, 3, 4	<i>Platyhypnidium riparioides</i>	1, 3
<i>Dicranodontium denudatum</i>	1, 3, 4	<i>Pleurozium schreberi</i>	4
<i>Dicranum montanum</i>	1, 2, 3, 4	<i>Pogonatum aloides</i>	4
<i>D. scoparium</i>	1, 2, 3, 4	<i>P. urnigerum</i>	4
<i>Dichodontium pellucidum</i>	1, 2, 3	<i>Pohlia nutans</i> subsp. <i>nutans</i>	1, 2, 3, 4
<i>Encalypta streptocarpa</i>	1	<i>Polytrichum formosum</i>	1, 2, 3, 4
<i>Eurhynchium angustirete</i>	4	<i>P. commune</i>	1, 4
<i>Fissidens dubius</i> var. <i>dubius</i>	1, 2	<i>P. juniperinum</i>	4
<i>F. pusillus</i> LC-att	1, 2, 3, 4	<i>P. piliferum</i>	4
<i>Grimmia hartmanii</i>	1, 2, 3, 4	<i>Pseudoleskeella nervosa</i>	4
<i>G. pulvinata</i>	4	<i>Pseudotaxiphyllum elegans</i>	3, 4
<i>Herzogiella seligeri</i>	1, 2, 3, 4	<i>Pterigynandrum filiforme</i>	4
<i>Heterocladium heteropterum</i>	3, 4	<i>Pylaisia polyantha</i>	4
<i>Homalia trichomanoides</i>	1, 2	<i>Racomitrium aciculare</i>	1, 2, 3
<i>Homalothecium sericeum</i>	4	<i>Rhabdoweisia fugax</i>	4
<i>Hygrohypnum luridum</i>	1	<i>Rhizomnium punctatum</i>	1, 2, 3, 4
<i>Hypnum cupressiforme</i>	1, 2, 3, 4	<i>Rhytidiadelphus loreus</i>	4
<i>H. pallescens</i> LC-att	1, 2, 3, 4	<i>R. squarrosus</i>	1, 2, 3, 4
<i>Isothecium alopecuroides</i>	2, 3, 4	<i>Schistidium apocarpum</i>	1, 4
<i>Mnium hornum</i>	1, 2, 3, 4	<i>Sciuro-hypnum populeum</i>	4
<i>M. stellare</i>	4	<i>S. reflexum</i>	4
<i>Nyholmiella obtusifolia</i>	4	<i>Syntrichia ruralis</i> var. <i>ruralis</i>	4
<i>Orthotrichum affine</i>	4	<i>Tetraphis pellucida</i>	1, 2, 3, 4
<i>O. pallens</i>	4	<i>Thuidium tamariscinum</i>	1, 3

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