

**Bryophytes found so far in the vicinity of Mt Bol. Thač<sup>1</sup>, compiled from the available data by Volker Otte**

**Marchantiopsida**

- Aneura pinguis* (L.) Dumort.  
 (2: as *Riccardia p.* (L.) Gray)  
*Apometzgeria pubescens* (Schrank) Kuwah. (2)  
*Barbilophozia hatcheri* (A. Evans) Loeske (2)  
*Blepharostoma trichophyllum* (L.) Dumort. (2)  
*Cololejeunea calcarea* (Lib.) Schiffl. (5)  
*Frullania bolanderi* Aust. (4)  
*Frullania dilatata* (L.) Dumort. (2)  
*Frullania parvistipula* Steph. (1, 2)  
*Frullania tamarisci* (L.) Dumort. (2)  
*Jungermannia subulata* A. Evans (2)  
*Lepidozia reptans* (L.) Dumort. (2)  
*Marchantia polymorpha* L. (2)  
*Metzgeria conjugata* Lindb. (2)  
*Metzgeria fruticulosa* (Dicks.) A. Evans (2)  
*Metzgeria furcata* (L.) Dumort. (2)  
*Plagiochila asplenioides* (L.) Dumort. (2)  
*Porella arboris-vitae* (With.) Grolle (2)  
*Porella platyphylla* (L.) Pfeiff. (2)  
*Preissia quadrata* (Scop.) Nees (2)  
*Ptilidium pulcherrimum* (Weber) Vain. (2)  
*Radula complanata* (L.) Dumort. (2)  
*Radula lindenbergiana* Gottsche ex C. Hartm. (2)  
*Riccardia palmata* (Hedw.) Carruth. (2)  
*Scapania aequiloba* (Schwägr.) Dumort. (2)  
*Scapania calcicola* (Arnell & J. Perss.)  
 Ingham (2)  
*Tritomaria exsecta* (Schmidel) Loeske (2)

**Bryopsida**

- Abietinella abietina* (Hedw.) M. Fleisch. (2)  
*Amblystegium subtile* (Hedw.) Schimp. (1)  
*Anomodon attenuatus* (Hedw.) Huebener (2)  
*Anomodon longifolius* (Brid.) Hartm. (2)  
*Anomodon rugelii* (Müll. Hal.) Keissl. (2)  
*Anomodon viticulosus* (Hedw.)  
 Hook. & Taylor (2)  
*Atrichum flavisetum* Mitt. (2)  
*Aulacomnium turgidum* (Wahlenb.) Schwägr. (2)  
*Barbula convoluta* Hedw. (1)  
*Barbula crocea* (Brid.) F. Weber & D. Mohr (2)  
*Barbula unguiculata* Hedw. (1)  
*Bartramia halleriana* Hedw. (1)  
*Bartramia ithyphylla* Brid. (2)

- Brachythecium albicans* (Hedw.) Schimp. (1)  
*Brachythecium rivulare* Schimp. (1)  
*Brachythecium salebrosum* (F. Weber &  
 D. Mohr) Schimp. (1)  
*Brachythecium velutinum* (Hedw.) Schimp. (2)  
*Bryoerhythrophyllum recurvirostrum* (Hedw.)  
 P. C. Chen (1)  
*Bryum argenteum* Hedw. (1, 2)  
*Bryum capillare* Hedw. (1)  
*Bryum pseudotriquetrum*  
 (Hedw.) P. Gärtner et al. (1)  
*Bryum subelegans* Kindb. (2)  
*Buxbaumia viridis* (DC. in Lam. & DC.)  
 Moug. & Nestl. (2)  
*Calliergon stramineum* (Brid.) Kindb. (1)  
*Camptothecium lutescens* (Hedw.) Schimp. [syn.  
*Homalothecium l.* (Hedw.) Robins.] (2)  
*Campylium halleri* (Hedw.) Lindb. (2)  
*Campylium protensum* (Brid.) Kindb. (1)  
*Campylium stellatum* (Hedw.) C. E. O. Jensen (1)  
*Ceratodon purpureus* (Hedw.) Brid. (1, 2)  
*Cirriphyllum cirrosium* (Schwägr. in Schultes)  
 Grout (1)  
*Climacium dendroides* (Hedw.) F. Weber &  
 D. Mohr (1)  
*Cratoneuron commutatum* (Hedw.) G. Roth (1)  
*Cratoneuron filicinum* (Hedw.) Spruce (1)  
*Ctenidium molluscum* (Hedw.) Mitt. (1, 2)  
*Cynodontium polycarpum* (Hedw.) Schimp. (1)  
*Dichodontium pellucidum* (Hedw.) Schimp. (1)  
*Dicranella palustris* (Dicks.) Crundw.  
 ex E. F. Warb. (1)  
*Dicranodontium denudatum* (Brid.) E. Britton  
 in Williams (1)  
*Dicranum bonjeanii* De Not. (1)  
*Dicranum muehlenbeckii* Bruch & Schimp. (1)  
*Dicranum scoparium* Hedw. (2)  
*Dicranum viride* (Sull. & Lesq.) Lindb. (1)  
*Didymodon fallax* (Hedw.) R. H. Zander (1)  
*Didymodon rigidulus* Hedw. (1)  
*Distichium capillaceum* (Hedw.) Bruch &  
 Schimp. (1)  
*Distichium inclinatum* (Hedw.) Bruch & Schimp.  
 (1)  
*Ditrichum flexicaule* (Schwägr.) Hampe (1, 2)  
*Encalypta streptocarpa* Hedw. (1)

<sup>1</sup> For a map of the study area see Fig. 2 on page 87 in this volume

- Encalypta vulgaris* Hedw. (1, 2)  
*Entodon concinnus* (De Not.) Paris (1, 2)  
*Entodon schleicheri* (Schimp.) Demet. (1)  
*Eurhynchium angustirete* (Broth.) T. J. Kop. (2)  
*Eurhynchium hians* (Hedw.) Sande Lac. (1)  
*Eurhynchium striatum* (Hedw.) Schimp. (1)  
*Fissidens dubius* P. Beauv. (2)  
*Fissidens gracilifolius*  
   Bruggemann-Nannenga & Nyh. (1)  
*Fissidens osmundoides* Hedw. (2)  
*Fissidens taxifolius* Hedw. (2)  
*Funaria hygrometrica* Hedw. (1)  
*Grimmia affinis* Hoppe & Hornsch.  
   ex Hornsch. (2)  
*Gymnostomum aeruginosum* Sm. (1)  
*Gyroweisia tenuis* (Hedw.) Schimp. (1)  
*Hedwigia ciliata* (Hedw.) P. Beauv. (1)  
   – var. *leucophaea* Bruch & Schimp. (2)  
*Herzogiella seligeri* (Brid.) Z. Iwats. (2)  
*Homalia besseri* Lobarz. (1, 2)  
*Homalia trichomanoides* (Hedw.) Schimp. (2)  
*Homalothecium philippeanum*  
   (Spruce) Schimp. (1, 2)  
*Homalothecium sericeum* (Hedw.) Schimp. (1)  
*Hygroamblystegium tenax* (Hedw.) Jenn. (1)  
*Hygrohypnum luridum* (Hedw.) Jenn. (1, 2)  
*Hylacomium splendens* (Hedw.) Schimp. (2)  
*Hypnum cupressiforme* Hedw. (1)  
   – var. *filiforme* Brid. (1)  
*Hypnum vaucheri* Lesq. (1)  
*Isopterigiopsis pulchella* (Hedw.) Z. Iwats. (1)  
*Isothecium alopecuroides* (Dubois) Isov. (2)  
*Leskeella nervosa* (Brid.) Loeske (2)  
*Leucobryum glaucum* (Hedw.) Ångstr. (1)  
*Leucodon immersus* Lindb. (3)  
*Leucodon sciuroides* (Hedw.) Schwägr. (1, 2)  
*Meesia uliginosa* Hedw. (1)  
*Mnium ambiguum* H. Müll. (1)  
*Mnium marginatum* (Dicks.) P. Beauv. (1, 2)  
*Mnium spinulosum* Bruch & Schimp. (2)  
*Mnium stellare* Hedw. (1)  
*Molendoa sendtneriana*  
   (Bruch & Schimp.) Limpr. (1)  
*Myurella julacea* (Schwägr.) Schimp. (1)  
*Neckera complanata* (Hedw.) Huebener (2)  
*Neckera crispa* Hedw. (2)  
*Neckera pennata* Hedw. (2)  
*Neckera pumila* Hedw. (2)  
*Oncophorus virens* (Hedw.) Brid. (1)  
*Orthodicranum flagellare* (Hedw.) Loeske (1)  
*Orthodicranum montanum* (Hedw.) Loeske (1)  
*Orthotrichum anomalum* Hedw. (1)  
*Orthotrichum cupulatum* Brid. (2)  
*Orthothecium intricatum* (Hartm.) Schimp. (1)  
*Orthotrichum lyellii* Hook. & Taylor (1)  
*Orthotrichum obtusifolium* Brid. (1)  
*Orthotrichum pallens* Bruch ex Brid. (1)  
*Orthothecium rufescens* (Brid.) Schimp. (1)  
*Orthotrichum rupestre* Schleich. ex Schwägr. (2)  
*Orthotrichum sordidum* Sull. & Lesq. (1)  
*Orthotrichum speciosum* Nees in Sturm (2)  
*Orthotrichum stramineum* Hornsch. ex Brid. (2)  
*Orthotrichum striatum* Hedw. (2)  
*Orthotrichum vladikavkanum* Vent. (3)  
*Palamocladium euchloron*  
   (Müll. Hal.) Wijk & Marg. (1)  
*Palustriella commutata* (Hedw.) Ochyra (1)  
*Palustriella decipiens* (De Not.) Ochyra (1)  
*Paraleucobryum longifolium*  
   (Hedw.) Loeske (1, 2)  
*Philonotis fontana* (Hedw.) Brid. (1)  
*Plagiomnium cuspidatum* (Hedw.) T. J. Kop. (2)  
*Plagiomnium ellipticum* (Brid.) T. J. Kop. (1)  
*Plagiomnium rostratum* (Schrad.) T. J. Kop. (1)  
*Plagiomnium undulatum* (Hedw.) T. J. Kop. (1)  
*Plagiopus oederianus*  
   (Sw.) H. A. Crum & L. E. Anderson (1, 2)  
*Plagiothecium denticulatum*  
   (Hedw.) Schimp. (1, 2)  
*Plagiothecium laetum* Schimp. (1)  
*Plagiothecium nemorale* (Mitt.) A. Jaeger  
   [incl. *P. succulentum* (Wilson) Lindb.] (1, 2)  
*Platydictya jungermannioides*  
   (Brid.) H. A. Crum (1)  
*Pleurochaete squarrosa* (Brid.) Lindb. (1)  
*Pleurozium schreberi* (Brid.) Mitt. (1)  
*Pogonatum aloides* (Hedw.) P. Beauv. (2)  
*Pogonatum urnigerum* (Hedw.) P. Beauv. (2)  
*Pohlia cruda* (Hedw.) Lindb. (1, 2)  
*Pohlia wahlenbergii*  
   (F. Weber & D. Mohr) A. L. Andrews (1)  
*Polytrichastrum alpinum*  
   (Hedw.) G. L. Sm. (1, 2)  
*Polytrichum formosum* Hedw. (1, 2)  
*Polytrichum juniperinum* Hedw. (1)  
*Polytrichum sexangulare* Brid. (1, 2)  
*Pseudoleskeella catenulata* (Schrad.) Kindb. (1)  
*Pterigynandrum filiforme* Hedw. (2)  
*Ptilium crista-castrensis* (Hedw.) De Not. (2)  
*Prychodium plicatum* (F. Weber & D. Mohr.)  
   Schimp. (1)  
*Pylaisia polyantha* (Hedw.) Schimp. (1, 2)

- Racomitrium canescens* (Hedw.) Brid. (2)  
*Rhizomnium pseudopunctatum*  
 (Bruch. & Schimp.) T. J. Kop. (1)  
*Rhizomnium punctatum* (Hedw.) T. J. Kop. (2)  
*Rhynchostegium murale* (Hedw.) Schimp. (1)  
*Rhynchostegium riparioides*  
 (Hedw.) Cardot (1, 2)  
*Rhytidiadelphus triquetrus*  
 (Hedw.) Warnst. (1, 2)  
*Rhytidium rugosum* (Hedw.) Kindb. (2)  
*Sanionia uncinata* (Hedw.) Loeske (2)  
*Schistidium apocarpum* (Hedw.) Bruch &  
 Schimper s. l. (1, 2)  
*Seligeria donniana* (Sm.) Müll. Hal. (2)  
*Seligeria pusilla* (Hedw.) Bruch & Schimp. (3)  
*Sphagnum subsecundum* Nees (1)  
*Tetraphis pellucida* Hedw. (2)  
*Thamnobryum alopecurum*  
 (Hedw.) Gangulee (1, 2)
- Thuidium delicatulum* (Hedw.) Mitt. (1)  
*Thuidium philibertii* Limpr. (1, 2)  
*Thuidium recognitum* (Hedw.) Lindb. (2)  
*Timmia austriaca* Hedw. (1, 2)  
*Timmia megapolitana* Hedw. var. *bavarica*  
 (Hessl.) Brid. (1)  
*Tortella tortuosa* (Hedw.) Limpr. (2)  
*Tortula mucronifolia* Schwägr. (1)  
*Tortula norvegica*  
 (F. Weber) Wahlenb. ex Lindb. (1, 2)  
*Tortula subulata* Hedw. (2)  
*Trichostomum crispulum* Bruch (1)  
*Ulota coarctata* (P. Beauv.) Hammar (3)  
*Ulota crispa* (Hedw.) Brid. (2)  
*Weissia controversa* Hedw. (2)  
*Zygodon rupestris* Schimp. ex Lorentz (2)

### Data sources

- (1) AKATOVA, T. V. & V. OTTE (2007) in this volume: (as far as not mentioned in (2) or with additional stands here)
- (2) OTTE, V. (2001): Flechten und Moose im Gebiet des Bolschoi Tchatsch (NW-Kaukasus) – eine erste Übersicht, ergänzt durch einige von D. Benkert bestimmte Pezizales. – *Feddes Repert.* **112**: 565 – 582
- (3) OTTE, V. (2004): Flechten, Moose und lichenicole Pilze aus dem nordwestlichen Kaukasus – erster Nachtrag. – *Feddes Repertorium* **115** (1 – 2): 155 – 163
- (4) OTTE, V. (2006): Erster Nachweis von *Frullania bolanderi* (Marchantiophyta: Jubulaceae) im Kaukasus. – *Herzogia* **19**: 353 – 355
- (5) OTTE, V (ined.: Herb. Otte or GLM)