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CINTRACTIA MAJEWSKII, A NEW SMUT FUNGUS (USTILAGINOMYCETES) ON FIMBRISTYLIS (CYPERACEAE) FROM AFRICA

MARCIN PIĄTEK & KÁLMÁN VÁNKY

Abstract. A new species of smut fungi, *Cintractia majewskii* M. Piątek & Vánky *sp. nov.* on *Fimbristylis* sp., collected in the Democratic Republic of the Congo in Africa, is described, illustrated and compared with similar taxa. A key for the identification of the eight smut fungi on *Fimbristylis* spp. is provided.

Key words: *Cintractia*, new species, smut fungi, Ustilaginomycetes, *Fimbristylis*, taxonomy, Democratic Republic of the Congo, Africa

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

Kálmán Vánky, Herbarium Ustilaginales Vánky (HUV), Gabriel-Biel-Str. 5, D-72076 Tübingen, Germany; e-mail: vanky.k@cityinfonyet.de

TAXONOMIC POSITION OF THE SMUT FUNGUS *USTILAGO ALSINES*

MARCIN PIĄTEK

Abstract: *Ustilago alsines* G. P. Clinton & Zundel on *Stellaria praecox* A. Nelson (= *Stellaria nitens* Nutt.) from North America belongs to the genus *Microbotryum* Lév. emend. Vánky; therefore the new combination *M. alsines* (G. P. Clinton & Zundel) M. Piątek is proposed. The species is described in detail and also illustrated. Its affinities to similar species are discussed. The geographical range of this taxon is discussed.

Key words: Microbotryales, Urediniomycetes, taxonomy, nomenclature

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

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A NOTE ON THE GENUS *XENASMATELLA* (FUNGI, BASIDIOMYCETES)

MARCIN PIĄTEK

Abstract. *Dendrothele canariensis* (Manjón & G. Moreno) Hjortstam subsp. *bicornis* Boidin & Duhem is raised to species rank and transferred to the genus *Xenasmatella* Oberw. as *Xenasmatella bicornis* (Boidin & Duhem) M. Piątek, stat. et comb. nov. The species is illustrated and compared with *Xenasmatella canariensis* (Manjón & G. Moreno) M. Piątek, comb. nov.

Key words: *Aphanobasidium*, *Phlebiella*, *Xenasmatella*, corticioid fungi

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

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SCLERODERMA SEPTENTRIONALE (FUNGI, BASIDIOMYCETES), FIRST RECORDS FROM CENTRAL EUROPE

MIKAEL JEPPESSON & MARCIN PIĄTEK

Abstract. *Scleroderma septentrionale* Jeppson, a species hitherto known from North Europe and North America is reported from Central Europe. Three inland localities in Poland and one in southern Slovakia represent a significant range extension of *S. septentrionale*. Its distribution in Europe is mapped. The taxonomy of the species is discussed and a SEM micrograph of the basidiospores is published for the first time.

Key words: gasteromycetes, Poland, Slovakia, sand dunes, *Scleroderma*, Sclerodermataceae

Mikael Jeppsson, Lilla Håjumsgatan 4, S-461 35 Trollhättan, Sweden; e-mail: jeppson@sverige.nu

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

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CATALOGUE OF POLISH SMUT FUNGI, WITH NOTES ON FOUR SPECIES OF *ANTHRACOIDEA*

MARCIN PIĄTEK, MAŁGORZATA RUSZKIEWICZ-MICHALSKA & WIESŁAW MULENKO

Abstract. A catalogue of smut fungi known in Poland is presented, incorporating the current nomenclature and classificatory system for the species. The species now known from Poland number 174, classified in 30 genera and 14 families. The Polish collections of *Anthracoidea* Bref. on *Carex fuliginosa* (= misnamed *C. sempervirens*), *C. hartmanii*, *C. humilis*, *C. michelii* and *C. sempervirens* are revised. *Anthracoidea buxbaumii* Kukkonen, *A. humilis* Vánky and *A. michelii* Vánky are records new for Poland. *Anthracoidea sempervirentis* Vánky, previously poorly known, is considered to be fairly common in the Tatra Mts. All species of *Anthracoidea* are fully documented with voucher specimens, original descriptions and SEM micrographs, and their distribution in Poland is mapped.

Key words: Ustilaginomycetes *p.p.*, Urediniomycetes *p.p.*, census catalogue, *Anthracoidea*, taxonomy, Poland

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

Malgorzata Ruskiewicz-Michalska, Department of Algology and Mycology, University of Łódź, Banacha 12/16, PL-90-237 Łódź, Poland; e-mail: mrusz@biol.uni.lodz.pl

Wiesław Muleńko, Department of General Botany, Maria Curie-Skłodowska University, Akademicka 19, PL-20-033 Lublin, Poland; e-mail: botog@biotop.umcs.lublin.pl

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CONTRIBUTION TO THE KNOWLEDGE OF LICHENS AND LICHENICOLOUS FUNGI OF WESTERN UKRAINE

URSZULA BIELCZYK, EWA BYLIŃSKA, PAWEŁ CZARNOTA, KRYSZYNA CZYŻEWSKA, BEATA GUZOW-KRZEMIŃSKA, MARIUSZ HACHUŁKA, JÓZEF KISZKA, AGNIESZKA KOWALEWSKA, BEATA KRZEWICKA, MARTIN KUKWA, GRZEGORZ LEŚNIAŃSKI,
LUCYNA ŚLIWA & ANNA ZALEWSKA

Abstract. The results of a lichen survey carried out in the Podil's'ki Tovtry National Park (Western Ukraine) in June 2003 are presented. The study yielded 22 species new to the Ukraine: *Agonimia opuntiella* (Buschardt & Poelt) Vězda, *Anema decipiens* (A. Massal.) Forssell, *Arthonia galactinaria* Leight., *Caloplaca flavocitrina* (Nyl.) H. Olivier, *Diplotomma venustum* (Körb.) Körb., *Lecanora admontensis* Zahlbr., *L. rouxii* S. Ekman & Tønsberg, *L. xanthostoma* Cl. Roux & Fröberg, *Lecidea umbonata* (Hepp) Mudd, *Naetrocymbe saxicola* (A. Massal.) R. C. Harris, *Protoblastenia terricola* (Anzi) Lyngbe, *Ramalina intermedia* (Delise ex Nyl.) Nyl., *Roselliniella cladoniae* (Anzi) Matzer & Hafellner, *Staurothele ambrosiana* (A. Massal.) Zschack, *Stigmidium rouxianum* Calatayud & Triebel, *S. tabacinae* (Arnold) Triebel, *Verrucaria bryoctona* (Th. Fr.) Orange, *V. foveolata* (Flörke) A. Massal., *V. fuscoatroides* Servit, *V. obfuscans* Nyl., *V. subdolosa* Servit, *Zwackhiomyces lecanorae* (Stein) Nik. Hoffman & Hafellner. As many as 93 species are new reports for the Khmel'nyts'ka Oblast'. In total, 208 species, including 11 lichenicolous fungi are reported from the area.

Key words: lichens, lichenicolous fungi, new records, distribution, Ukraine

Urszula Bielczyk, Beata Krzewicka & Lucyna Śliwa, Laboratory of Lichenology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: bielczyk@ib-pan.krakow.pl, bkrzew@ib-pan.krakow.pl, sliwa@ib-pan.krakow.pl

Ewa Bylińska, Institute of Plant Biology, University of Wrocław, Kanonia 6/8, PL-50-328 Wrocław, Poland; e-mail: bylinske@biol.uni.wroc.pl

Paweł Czarnota, Scientific Laboratory of the Gorce National Park, Poręba Wielka 590, PL-34-735 Niedźwiedź, Poland; e-mail: pawczarnota@poczta.onet.pl

Krzyszyna Czyżewska & Mariusz Hachułka, Department of Algology and Mycology, University of Łódź, Banacha 12/16, PL-90-237 Łódź, Poland; e-mail: czyzew@biol.uni.lodz.pl

Beata Guzow-Krzemińska, Department of Molecular Biology, University of Gdańsk, Kładki 24, PL-80-822 Gdańsk, Poland; e-mail: dokbg@univ.gda.pl

Józef Kiszka, Institute of Biology, Pedagogical Academy, Podbrzezie 3, PL-31-054 Kraków, Poland

Agnieszka Kowalewska & Martin Kukwa, Department of Plant Taxonomy and Nature Conservation, University of Gdańsk, Al. Legionów 9, PL-80-441 Gdańsk, Poland; e-mail: bioak@univ.gda.pl, dokmak@univ.gda.pl

Grzegorz Leśnianański, Department of Biosystematics, University of Opole, Oleska 22, PL-45-032 Opole, Poland; e-mail: grzeles@uni.opole.pl

Anna Zalewska, Department of Botany and Nature Protection, University of Warmia and Mazury in Olsztyn, Pl. Łódzki 1, PL-10-718 Olsztyn, Poland; e-mail: annazalw@uwm.edu.pl

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HIERACIUM SILESIACUM (ASTERACEAE) IN POLAND

PATRIK MRÁZ

Abstract. *Hieracium silesiacum* E. Krause, a subendemic species of the subalpine belt of the Western Carpathians, has been rediscovered in the Polish part of the Tatra Mts after 36 years. The collection site, on the SE slope of Giewont Mt. below Kondracka Przełęcz pass (West Tatras), represents the only known recent locality in Poland. *H. silesiacum* is one of the rarest vascular plants of the Polish flora. The pattern of morphological variation and the general distribution show that *H. silesiacum* probably evolved in the Western Carpathians and subsequently migrated to the Eastern Sudetes, like other so-called Carpathian migrants. Tetraploidy (2n~4x) was determined in one analyzed plant by flow cytometry, in accordance with previously published chromosome counts.

Key words: Carpathians, Compositae, DNA ploidy level, *Hieracium sparsum* group

Patrik Mráz, Institute of Biology & Ecology, P. J. Šafárik University, Faculty of Science, Mánesova 23, SK-041 54 Košice, Slovakia; Institute of Botany, Slovak Academy of Sciences, Dúbravská cesta 14, SK-845 23 Bratislava, Slovakia, e-mail: mrazpat@upjs.sk

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THE LICHEN SPECIES *CLADONIA INCRASSATA* (LECANORALES, ASCOMYCOTA LICHENISATI) IN POLAND, AND NOTES ON *C. ANITAE*

MARTIN KUKWA

Abstract. A revision of *Cladonia incrassata* Flörke material from Poland yielded specimens from 15 localities. Two chemotypes occurred: one with didymic, squamatic and usnic acids, and one with didymic and squamatic acids. Material with morphology similar to and chemistry identical to that of *C. anitae* W. L. Culb. & C. F. Culb. and referred to as *C. aff. anitae* was confirmed from three localities. In Europe such individuals have been known only from Germany till now.

Key words: *Cladonia incrassata*, *Cladonia anitae*, distribution, lichen, Poland

Martin Kukwa, Department of Plant Taxonomy and Nature Conservation, University of Gdańsk, Al. Legionów 9, PL-80-441 Gdańsk, Poland; e-mail: dokmak@univ.gda.pl

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CALOPLACA RUDERUM, A LICHEN SPECIES NEW TO POLAND

MIROSLAWA CEYNOWA-GIELDON & EDYTA ADAMSKA

Abstract. *Caloplaca ruderum* (Malbr.) Laundon, a lichen species not reported from Poland so far, was collected in Toruń city and environs (Lower Vistula region). The taxon occupies old walls of two medieval castles.

Key words: *Caloplaca ruderum*, lichens, distribution, Poland

Mirosława Ceynowa-Gieldon & Edyta Adamska, Department of Plant Taxonomy & Geography, Institute of Ecology and Environment Protection, Nicolaus Copernicus University, Gagarina 9, PL-87-100 Toruń, Poland, e-mail: ceynowa@biol.uni.torun.pl

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PROTOMYCES CIRSII-OLERACEI (FUNGI, PROTOMYCETALES), A NEW SPECIES FOR POLAND

KAMILA BACIGÁLOVÁ, MARCIN PIĄTEK & MAREK WÓLKOWYCKI

Abstract. *Protomyces cirsii-oleracei* Buhr was found on living leaves of *Cirsium oleraceum* (L.) Scop. in the Puszcza Białowieska primeval forest. This is a new species for the Polish mycota. The species is described, illustrated, and compared with similar taxa.

Key words: Protomycetaceae, *Cirsium oleraceum*, Asteraceae, fungi, parasite, taxonomy, Poland

Kamila Bacigálová, Institute of Botany, Slovak Academy of Sciences, Dúbravská cesta 14, SK-845-23 Bratislava, Slovak Republic; e-mail: kamila.bacigalova@savba.sk

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl

Marek Wołkowycki, Sacharewo Osada 1, PL-17-200, Hajnówka, Poland; e-mail: wolkm@poczta.onet.pl

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THE GENUS *MYCENELLA* (AGARICALES, TRICHOLOMATACEAE) IN POLAND

HALINA KOMOROWSKA

Abstract. Four species of *Mycenella* (Agaricales) recorded from Poland are described, illustrated and discussed. All available specimens of *Mycenella* from Polish herbaria were reexamined to verify their identity. *Mycenella rubropunctata* Boekhout and *M. salicina* (Velen.) Singer are reported for the first time in Poland. Maps of the localities of the examined material and a key to European species are provided.

Key words: Basidiomycetes, Tricholomataceae, *Mycenella*, morphology, ecology, distribution, Poland

Halina Komorowska, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, ul. Lubicz 46, PL-31-512 Kraków, Poland; e-mail: komoro@ib-pan.krakow.pl

UROCYSTIS MUSCARIDIS (USTILAGINOMYCETES), A FUNGAL SPECIES NEW IN POLAND

AGATA WOLCZAŃSKA & ROBERT ROZWĄŁKA

Abstract. *Urocystis muscaridis* (Niessl) Moesz is reported for the first time from Poland. The fungus is the second species of Ustilaginomycetes collected on the genus *Muscari* (Liliaceae) in Poland. Previously only *Vankya vaillantii* (Tul. & C. Tul.) Ershad was reported from two localities in Lower Silesia. The new collection of *Urocystis muscaridis* is described, illustrated and discussed. A key to the smut fungi on *Muscari* in Europe is provided.

Key words: Ustilaginomycetes, *Urocystis muscaridis*, *Vankya vaillantii*, taxonomy, Poland

Agata Wolczańska, Department of Botany and Mycology, Institute of Biology, Maria Curie-Skłodowska University, Akademicka 19, PL-20-033 Lublin, Poland; e-mail: awolczan@biotop.umcs.lublin.pl

Robert Rozwółka, Department of Zoology, Institute of Biology, Maria Curie-Skłodowska University, Akademicka 19, PL-20-033 Lublin, Poland; e-mail: rrozwalk@biotop.umcs.lublin.pl

CHRYSOPHYTE STOMATOCYSTS OF THE SULPHURIC SALT MARSH IN THE OWCZARY RESERVE (CENTRAL POLAND)

JOLANTA PIĄTEK & MARCIN PIĄTEK

Abstract: Eleven chrysophycean stomatocysts are reported from sulphuric saline waters in the Owczary Reserve in Central Poland. Of these, two morphotypes are new to science, one is new to Europe, and one is new to Poland. All specimens were represented only by unornamented stomatocysts without a collar. These studies provide the first documentation of an assemblage of extant chrysophycean stomatocysts in sulphuric saline waters of Poland. All cysts are described according to International Statospore Working Group (ISWG) guidelines and illustrated with SEM micrographs.

Key words: Stomatocysts, chrysophytes, taxonomy, sulphuric saline waters, Owczary Reserve, Poland

Jolanta Piątek, Department of Phycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: cabala@ib-pan.krakow.pl

Marcin Piątek, Department of Mycology, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland; e-mail: mpiatek@ib-pan.krakow.pl