

A List of Higher Syntaxonomical Units of Slovakia

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ABSTRACT

A revised list of higher syntaxonomical units of the vegetation of Slovakia is presented. This list contains 45 classes, 86 orders, 186 alliances and 31 suballiances.

ZUSAMMENFASSUNG

Die vorgelegte Arbeit enthält eine Liste der höheren Vegetationseinheiten der Slowakei. In der Liste sind 45 Klassen, 86 Ordnungen, 186 Verbände und 31 Unterverbände zusammengefaßt.

Reviews and surveys have always punctuated the development of science. They aid interpretations of the progress in science and promote further research by organizing data into systems. Lists of syntaxa and prodromes in geobotany have contributed greatly, enhancing progress in vegetation science since the very first steps this science had undertaken. A major role in the progress of systematic vegetation science has been played by lists of vegetation units organized into a highly formalized syntaxonomical system, making quick and operative communication among vegetation scientists possible.

The first lists of higher syntaxa in Slovakia, above the rank of association, were produced by KLIKA et al. (1941) and KLIKA (1948, 1955). The review of HOLUB et al. (1967), bringing together characteristics of higher syntaxa occurring in Czechoslovakia, represents another milestone of Czechoslovakian geobotany. More than 15 years of syntaxonomical work since the publication date of the 1967's prodromus put forward a need for revision of the system. Simultaneously, in both Bohemia and Slovakia new revisions of the syntaxonomical systems are being completed. Recently, a new short review of higher syntaxa of Bohemia has been released (MORAVEC et al., 1983). The list of Slovakia, though in a shorter version, is presented in this paper. The full version including associations and subassociations is under preparation. The rank of division is not considered here due to the in clarity of its status. As far as the availability of literature and the knowledge of the problem allowed the Code of phytosociological nomenclature was adopted.

Although there are some new syntaxa included in the list, they are still to be described in full length elsewhere. We are aware of the fact that the new syntaxa are not validly published here.

ASPLENIETEA TRICHOMANIS (Br.-Bl. in Meier et Br.-Bl. 1934) Oberd. in Oberd. et al. 1977

P o t e n t i l l e t a l i a c a u l e s c e n t i s Br.-Bl. in Br.-Bl. et Jenny 1926
Potentillion caulescentis Br.-Bl. in Br.-Bl. et Jenny 1926
Cystopteridion Richard 1972

A n d r o s a c e t a l i a v a n d e l l i i Br.-Bl. in Meier et Br.-Bl. 1934
? Androsacion vandellii Br.-Bl. in Br.-Bl. et Jenny 1926
Asplenion septentrionalis Gams 1927
Hypno-Polypodion Mucina ined.

PARIETARIETEA JUDAICAE Rivas-Martínez ex Rivas-Goday 1955

P a r i e t a r i e t a l i a j u d a i c a e (Rivas-Martínez ex Rivas-Goday 1964)
Oberd. in Oberd. et al. 1977
Centrantho-Parietaron Rivas-Martínez 1960 nom. inv.

THLASPIETEA ROTUNDIFOLII Br.-Bl. 1948

T h l a s p i e t a l i a r o t u n d i f o l i i Br.-Bl. in Br.-Bl. et Jenny 1926
Thlaspion rotundifolii Br.-Bl. in Br.-Bl. et Jenny 1926 em. Zollitsch 1966

A n d r o s a c e t a l i a a l p i n a e Br.-Bl. in Br.-Bl. et Jenny 1926
Androsacion alpinae Br.-Bl. in Br.-Bl. et Jenny 1926

- Epilobietalia fleischeri* Moor 1958
Epilobion fleischeri Br.-Bl. in J. et G. Br.-Bl. 1931
- Stipetalia calamagrostis* Oberd. et Seibert in Oberd. et al. 1977
Stipion calamagrostis Jenny-Lips ex Br.-Bl., Roussine et Nègre 1952
- JUNCETEA TRIFIDI Hadač in Klika et Hadač 1944
- Caricetalia curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926
Juncion trifidi Krajina 1933
Festucion versicoloris Krajina 1933
Nardion Br.-Bl. 1926, Luquet 1926
Loiseleurio-Vaccinion Br.-Bl. in Br.-Bl. et Jenny ex Krajina 1933
- SALICETEA HERBACEAE Br.-Bl. 1948
- Salicetalia herbaceae* Br.-Bl. in Br.-Bl. et Jenny 1926 em.
Důbravcová ined.
Salicion herbaceae Br.-Bl. in Br.-Bl. et Jenny 1926
Festucion pictae Krajina 1933
- Arabidetalia coeruleae* Rübel 1933
Arabidion coeruleae Br.-Bl. in Br.-Bl. et Jenny 1926
- BETULO-ADENOSTYLETEA Br.-Bl. et R. Tx. 1943
- Adenostyletalia* G. Br.-Bl. 1931
Adenostylion alliariae Br.-Bl. 1926
Eu-Adenostylenion Šýkora et Štursa 1973
Dryopteridi-Athyrenion distentifolii Holub in Holub et al. ex Šýkora et Štursa 1973
Delphinion elati Hadač 1962
- Calamagrostietalia villosae* Pawłowski, Sokołowski et Wallisch 1928
Calamagrostion villosae Pawłowski, Sokołowski et Wallisch 1928
Trisetion fuscii Krajina 1933
Calamagrostion arundinaceae (Luquet 1926) Jeník 1961
- Seslerietalia tatrae* Hadač 1962
Seslerion tatrae Hadač 1962
Seslerio tatrae-Festucion versicoloris Mucina ined.
- Petasito-Chaerophylletalia* Morariu 1967
Petasition officinalis Sillinger 1933
- MONTIO-CARDAMINETEA Br.-Bl. et R. Tx. ex Klika et Hadač 1944
- Montio-Cardaminetalia* Pawłowski in Pawłowski, Sokołowski et Wallisch 1928
Cardaminion amarae Maas 1959
Sweetio-Anisothecion squarrosi Hadač 1983
Cratoneuro filicinii-Calthion laetae Hadač 1983
- Cardamino-Cratoneuretalia* Maas 1959
Cratoneurion commutati Koch 1928
- CHARETEA FRAGILIS Fukarek ex Krausch 1964
- Charetalia hispidae* Sauer 1937
Thero-Charion asperae Krause 1969
- LEMNETEA R. Tx. 1955
- Lemnnetalia minoris* R. Tx. 1955
Lemnion minoris R. Tx. 1955
- Lemno-Utricularietalia* Passarge 1978
Utricularion vulgaris Passarge 1964
- Hydrocharitetalia* Rübel 1933
Hydrocharition Rübel 1933
- POTAMETEA Klika in Klika et Novák 1941
- Potametalia* Koch 1926
Nymphaeion albae Oberd. 1957
Magnopotamion Vollmar 1947
Potamenion lucentis Hejný in Moravec et al. 1983
Potamenion polygonifolii (Den Hartog et Segal 1964) Hejný 1983
Parvopotamion Vollmar 1947

Callitricho - Batrachietalia Passarge 1978

Batrachion fluitantis Neuhäusl 1959

Batrachion aquatilis Passarge 1964

LITTORELLETEA Br.-Bl. et R. Tx. 1943

Littorelletalia Koch 1926

Isoëtion lacustris Nordhagen 1937

Littorellion uniflorae Koch 1926

Elatino-Eleocharitenion acicularis Pietsch 1977

UTRICULARIETEA INTERMEDIO-MINORIS Pietsch 1965

Utricularietalia intermedio-minoris Pietsch 1965

Sphagno-Utricularion Müller et Görs 1960

ISOËTO-NANOJUNCETEA Br.-Bl. et R. Tx. 1943

Nanocyperetalia Klika 1935

Nanocyperion Koch 1926 em. Rivas-Goday 1961

Radiolion linoidis Pietsch 1973

Elatino-Eleocharition ovatae Pietsch 1965

Eu-Eleocharitenion ovatae Pietsch 1973

Elatino-Lindermenion pyxidatae Pietsch 1973

Heleochoo-Cyperion Br.-Bl. in Br.-Bl., Roussine et Nègre ex Pietsch 1973

Crypsietalia aculeatae Vicherek 1973

Cypero-Spergulion salinae Slavnić 1948

PHRAGMITI-MAGNOCARICETEA Klika in Klika et Novák 1941

Phragmitetalia (Koch 1926) Pignatti 1953

Phragmition Koch 1926

Nasturtio - Glycerietalia Pignatti 1953 em. Kopecký in Kopecký et Hejný 1965

Sparganio-Glycerion fluviatilis Br.-Bl. et Sissingh in de Boer 1942

Phalaridion arundinaceae Kopecký 1961

Oenanthetalia aquaticae Hejný in Kopecký et Hejný 1965

Oenanthion aquaticae Hejný ex Vicherek 1962

Bolboschoenetalia maritimi Hejný in Holub et al. 1967

Scirpion maritimi Dahl et Hadač 1941

Magnocaricetalia Pignatti 1953

Cicution virosae Hejný ex Segal in Westhoff et Den Held 1969

Magnocaricion elatae Koch 1926

Caricion rostratae Balátová-Tulácková 1963

Caricion gracilis Neuhäusl 1959

THERO-SUAEDETEA Vicherek 1973

Thero - Suaedetalia Br.-Bl. et de Bolós 1957 em. Beeftink 1962

Thero-Suaedion Br.-Bl. ex R. Tx. 1950

Thero-Camphorosmion (Bilik 1963) Vicherek 1973 prov.

FESTUCO-PUCCINELLIETEA Soó 1968

Scorzonero - Juncetalia gerardii Vicherek 1973

Scorzonero-Juncion gerardii (Wendelberger 1943) Vicherek 1973

Halo-Trichophorion pumili Vicherek 1973

Festuco - Puccinellietalia Soó 1968 em. Vicherek 1973

Puccinellion limosae Soó in Máthé 1933 corr. Wendelberger 1943 em. Vicherek 1973

Artemisio - Festucetalia pseudovinae Soó 1968

Festucion pseudovinae Soó in Máthé 1933

SCHEUCHZERIO-CARICETEA FUSCAE R. Tx. 1937

Caricetalia fuscae Koch 1926

Caricion fuscae Koch 1926 em. Klika 1934

Caricion lasiocarpae Vanden Berghen in Lebrun et al. 1949 em. Rybníček in Rybníček, Neuhäusl et Balátová-Tulácková 1984

Caricion demissae Rybníček 1964

Drepanocladion exannulati Krajina 1933

Caricion davallianae Klika 1934

Sphagno warnstorfiani-Tomenthypnion nitentis Dahl 1957

Scheuchzeria palustris Nordhagen 1936
Eriophorion gracilis Preising in Oberd. 1957 em. Rybníček in Rybníček, Neuhäusl et Balátová-Tuláčková 1984
Rhynchosporion albae Koch 1926
Sphagno recurvi-*Caricion canescentis* Passarge (1964) 1978
Leuko-Scheuchzeria palustris Nordhagen ex Dahl 1957

OXYCOCCO-SPHAGNETEA Br.-Bl. et R. Tx. 1943

Sphagnetalia medii Kästner et Flößner 1933
Oxycocco-Empetrition hermaphroditi Nordhagen 1937
Sphagnion medii Kästner et Flößner 1953 em. Dierßen in Oberd. et al. 1977
Sphagno-Ericetalia (Schwickerath 1940) Br.-Bl. 1949
Oxycocco-Ericion (Nordhagen 1936) R. Tx. 1937 em. Moore 1968

MOLINIO-ARRHENATHERETEA R. Tx. 1937 em. 1970

Arrhenatheretalia Pawłowski in Pawłowski, Sokołowski et Wallisch 1928
Arrhenatherion Koch 1926
Cynosurion cristati R. Tx. 1947
Lolio-Cynosuretion Jurko 1974
Polygalo-Cynosuretion Jurko 1974
Polygono-Trisetion Br.-Bl. et R. Tx. ex Marschall 1947 nom. inv.
Alchemillo-Trisetion Dierschke 1981
Poion alpinae Oberdorfer 1950

Molinietalia Koch 1926

Filipendulo-Cirsion oleracei Duvigneaud 1946
Calthion R. Tx. 1937 em. Balátová-Tuláčková 1978
Calthenion
Filipendulion ulmariae (Lohmeyer in Oberd. et al. 1967) Balátová-Tuláčková 1978
Alopecurion pratensis Passarge 1964
Molinion Koch 1926
Deschampsion caespitosae Horvatič 1930
Cnidion venosi Balátová-Tuláčková 1965
Veronico longifoliae-*Lysimachion vulgaris* (Passarge 1977) Balátová-Tuláčková 1981

Agrostietalia stoloniferae Oberd. in Oberd. et al. 1967

Lolio-Potentillion R. Tx. 1947
Loto-Trifolion (Westhoff et van Leeuwen ex Vicherek 1973) Passarge 1978
Beckmannion eruciformis Soó 1933
Juncion effusi Westhoff et van Leeuwen ex Hejný et al. 1979

ELYNO-SESLERIETEA Br.-Bl. 1948

Seslerietalia calcariae Br.-Bl. et Jenny 1926
Caricion firmiae Gams 1926
Seslerio-Asterion serpentimontani Hadač 1962 corr. Mucina 1981
Calamagrostion variaae Sillinger ex Hadač 1962

NARDO-CALLUNETEA Preising 1949

Nardetalia Oberd. ex Preising 1949
Violion caninae Schwickerath 1944
Nardo-Agrostion tenuis Sillinger 1933
Nardo-Juncion squarrosi (Oberd. 1957) Passarge 1964

Calluno-Ulicetalia R. Tx. 1937

Genistion Bøcher 1943
Sarothamnion R. Tx. in Preising 1949
Euphorbio-Callunion Schubert 1960
Vaccinion Bøcher 1943 em. Schubert 1960

KOELERIO-CORYNEPHORETEA Klika et Novák 1941

Corynephorretalia canescentis Klika 1945 em. R. Tx. 1962
Corynephorion canescentis Klika 1931 em. R. Tx. 1962

FESTUCETEA VAGINATAE Soó 1968 em. Vicherek 1972

Festuco-Astragaleetalia arenarii Vicherek 1972
Festucion vaginatae Soó 1940

SEDO-SCLERANTHETEA Br.-Bl. 1955

Thero-Airetalia Oberd. in Oberd. et al. 1967
Thero-Airion Oberd. 1957

Alyssosedetalia Moravec 1967

- Alyssosedetalia alyssoides-Sedum albi Oberd. et Müller in Müller 1961
- Helianthemum canis-Festucion pallentis Kolbek in Moravec et al. 1983
- Poa badensis-Teucrienion montani* Kolbek in Moravec et al. 1983

Sedo-Scleranthetalia Br.-Bl. 1955

- Sedum albi-Veronicion dillenii (Oberd. 1957) Korneck 1974
- Sedo-Scleranthion Br.-Bl. 1949

FESTUCO-BROMETEA Br.-Bl. et R. Tx. 1943

Festucetalia valesiaca Br.-Bl. et R. Tx. 1943

- Festucion valesiaca Klika 1931
- Festucion valesiaca*
- Asplenio-Festucion glaucae Zólyomi 1936
- Seslerio-Festucion glaucae Klika 1931 em. Kolbek 1981
- Seslerio-Festucion glaucae*
- Cirsio-Brachypodion pinnati Hadač et Klika in Klika et Hadač 1944
- Koelerio-Phleion phleoidis Korneck 1974
- ? Danthonio-Stipion Soó 1947

Brometalia erecti Br.-Bl. 1931

- Mesobromion Br.-Bl. et Moor 1938 em. Oberd. 1949

VIOLETEA CALAMINARIAE R. Tx. in Lohmeyer et al. 1962

Violetetalia calaminariae Br.-Bl. et R. Tx. 1943

- Armerion halleri Ernst 1964

TRIFOLIO-GERANIETEA SANGUINEI Müller 1961

Origanetalia vulgaris Müller 1961

- Geranion sanguinei R. Tx. in Müller 1961
- Trifolion medii Müller 1961
- Melampyryon pratensis Passarge 1967
- Potentillo-Holcicion Passarge 1979

RHAMNO-PRUNETEA Rivas-Goday et Borja-Carbonell 1961

Prunetalia R. Tx. 1952

- Prunion spinosae Soó (1931) 1940
- Corylo-Populion tremulae Br.-Bl. 1961
- Prunion fruticosae R. Tx. 1952

BETULO CARPATICA-EALNETEA VIRIDIS Rejmánek in Huml et al. 1979

Alnetalia viridis Rübel 1933

- Salicion silesiaca Rejmánek, Šýkora et Štursa 1971

SALICETEA PURPUREAE Moor 1958

Salicetalia purpurea Moor 1958

- Salicion eleagni Moor 1958
- Salicion triandrae Müller et Görs 1958
- Salicion albae (Oberd. 1953) Müller et Görs 1958

ALNETEA GLUTINOSAE Br.-Bl. et R. Tx. 1943

Alnetalia glutinosa R. Tx. 1937

- Alnion glutinosae Malcuit 1929

Salicetalia aurita Doing 1962

- Salicion cinerea Müller et Görs ex Passarge 1961

MOLINIO-BETULETEA PUBESCENTIS Passarge et Hoffmann 1968

Eriophoro-Betuleetalia pubescentis Passarge et Hoffmann 1968

- Eriophoro-Betulion pubescentis Passarge et Hoffmann 1968

QUERCO-FAGETEA Br.-Bl. et Vlieger in Vlieger 1937

Quercetalia pubescentis Br.-Bl. 1931

- Quercion pubescenti-petraeae Br.-Bl. 1931
- Quercion confertae-cerris Horvat 1959
- Aceri tatarici-Quercion Jakucs et Fekete 1957, Zólyomi 1957

Fagetalia Pawłowski in Pawłowski, Sokołowski et Wallisch 1928

- Alno-Ulmion Br.-Bl. et R. Tx. ex Tschou 1953 em. Müller et Görs 1958
- Alnenion glutinoso-incanae* Oberd. 1953
- Ulmion* Oberd. 1953

Carpinion betuli Issler 1931 em. Mayer 1937
Tilio-Carpinenion Oberd. 1957 em. J. et M. Michalko ined.
Galio sylvatici-Carpinenion Oberd. 1957
Carici pilosae-Carpinenion J. et M. Michalko ined.
Quercu robori-Carpinenion J. et M. Michalko ined.
Tilio-Acerion Klika 1955
Fagion Luquet 1926
Eu-Fagenion Oberd. 1957 em. R. Tx. in R. Tx. et Oberd. 1958
Cephalanthero-Fagenion R. Tx. in R. Tx. et Oberd. 1958
Acerenion Oberd. 1957 em. Husová in Moravec et al. 1982
Galio rotundifoliae-Abietenion Oberd. 1962
Luzulo-Fagion Lohmeyer et R. Tx. in R. Tx. 1954

QUERCETEA ROBORI-PETRAEAE Br.-Bl. et R. Tx. 1943

Quercetalia robori-petraeae R. Tx. 1931
Genisto germanicae-Quercion Neuhausl et Neuhauslová-Novotná 1967
Potentillo albae-Quercion J. Michalko ined.

Pino-Quercetalia Soó 1962
Pino-Quercion Medwecka-Kornaš in Medwecka-Kornaš, Kornaš et Pawłowski 1959

PULSATILLO-PINETEA Oberd. in Oberd. et al. 1967

Pulsatillo-Pinetalia Oberd. in Müller 1966
Cytiso ruthenici-Pinion Krausch 1962

ERICO-PINETEA Horvat 1959

Erico-Pinetalia Horvat 1959
Pulsatillo slavicae-Pinion Fajmonová 1978

VACCINIO-PICEETEA Br.-Bl. in Br.-Bl., Sissingh et Vlieger 1939

Piceetalia excelsae Pawłowski in Pawłowski, Sokołowski et Wallisch 1928
Piceion excelsae Pawłowski in Pawłowski, Sokołowski et Wallisch 1928
Eu-Vaccinio-Piceenion Oberd. 1957
Vaccinio-Abietenion Oberd. 1962
Pinion mugo Pawłowski, Sokołowski et Wallisch 1928

Athyrio-Piceetalia Hadač 1962
Oxalidion acetosellae Krajina 1933
Chrysanthemion rotundifolii Krajina 1933
Athyrio alpestris-Piceion Šýkora 1971
Abietion albae Březina et Hadač in Hadač 1962

Pinetalia Oberd. 1949
Dicrano-Pinion Libbert 1933

ROBINIETEA Jurko ex Hadač et Sofron 1980

Chelidonio-Robinietalia Jurko ex Hadač et Sofron 1980
Chelidonio-Robinion Hadač et Sofron 1980
Balloto nigrae-Robinion Hadač et Sofron 1980

EPILOBIETEA ANGUSTIFOLII R. Tx. et Preising in R. Tx. 1950

Atropetalia Vlieger 1937
Atropion Br.-Bl. ex R. Tx. 1937 em. Oberd. 1957
Epilobion angustifolii Soó 1933 em. R. Tx. 1950
Sambucetalia Oberd. 1957
Lonicero-Rubion sylvatici R. Tx. et Neumann in R. Tx. 1950
Sambuco-Salicion capreae R. Tx. et Neumann in R. Tx. 1950
Arctio-Sambucion nigrae Doing 1962

PLANTAGINETEA MAJORIS R. Tx. et Preising in R. Tx. 1950

Potentillo-Polygonetalia avicularis R. Tx. 1947
em. Oberd. in Oberd. et al. 1967
Polygonion avicularis Br.-Bl. 1931
Saginion procumbentis R. Tx. et Ohba in Gêhu, Richard et R. Tx. 1972
Poion supinae R. Tx. 1970

BIDENTETEA TRIPARTITAE R. Tx., Lohmeyer et Preising in R. Tx. 1950

- Bidentetalia tripartitae* Br.-Bl. et R. Tx. 1943
Bidenton tripartitae Nordhagen 1940 em. R. Tx. in Poli et J. Tx. 1960
Chenopodium rubri (R. Tx. in Poli et J. Tx. 1960) Soó 1968
Chenopodium glauci Hejný 1974

CHENOPODIETEA Br.-Bl. ex Br.-Bl., Roussine et Nègre 1952 em. Lohmeyer et al. ex Matuszkiewicz 1962

- Sisymbrietalia* J. Tx. ex Matuszkiewicz 1962
Malvion neglectae (Gutte 1972) Hejný 1978
Atriplici-Sisymbriion Hejný 1978
Atriplici-Sisymbrienion
Artemisio annuae-Atriplicenion Mucina ined.
Bromo-Hordeion murini Hejný 1978

- Polygono-Chenopodietalia* J. Tx. ex Matuszkiewicz 1962
Fumario-Euphorbion Müller in Görs 1966
Panico-Setarion Sissingh in Westhoff et al. 1946
Spergulo-Oxalidion Görs in Oberd. et al. 1967

- Eragrostietalia* J. Tx. in Poli 1966
Eragrostion (R. Tx. 1950) Oberd. 1954
Salsolion ruthenicae Philippi 1971

ARTEMISIETEA VULGARIS Lohmeyer, Preising et R. Tx. in R. Tx. 1950

- Onopordetalia* Br.-Bl. et R. Tx. ex Klika et Hadač 1944 em. Görs 1966
Onopordion acanthii Br.-Bl. et al. 1936
Dauco-Melilotion Görs ex Oberd. et al. 1967
Dauco-Melilotenion
Erysimo hieracifolii-Chamaerenenion Mucina ined.

- Agropyretalia repentis* Oberd., Müller et Görs in Oberd. et al. 1967
Convolvulo-Agropyron repentis Görs 1966
Artemisio-Agropyron intermediae Müller et Görs 1969

- Artemisieta* Lohmeyer in R. Tx. 1947 em. Görs 1966
Arction lappae R. Tx. 1947 em. Gutte 1972
Rumicion obtusifolii Gutte 1972
Carduo-Urticion dioicae Hadač 1962
Rumicion alpini Rübel ex Klika in Klika et Hadač 1944

- Circaeostachyeta* Passarge 1967
Galio-Alliarion Lohmeyer et Oberd. in Oberd. et al. 1967
Aegopodion podagrariae R. Tx. 1967

- Convolvuletalia sepium* R. Tx. 1950 em. Mucina ined.
Convolvulion sepium R. Tx. ex Oberd. 1949

SECALIETEA Br.-Bl., Roussine et Nègre 1952

- Secalietalia* Br.-Bl. 1931 em. Br.-Bl. in Br.-Bl. et al. 1936
Caucalidion lappulae R. Tx. 1950
Sherardion Kropáč et Hejný ex Kropáč 1978
Veronico politae-Taraxacion Kropáč et Hadač in Kropáč, Hadač et Hejný 1971

- Aperetalia spica-venti* J. et R. Tx. in Malato-Beliz, J. et R. Tx. 1960
Aphanion arvensis J. et R. Tx. in Malato-Beliz, J. et R. Tx. 1960
Arnoseridion minimae Malato-Beliz, J. et R. Tx. 1960

- ? *Lolio-Linetalia* J. et R. Tx. ex Matuszkiewicz 1962
 ? *Lolio remoti-Linion* R. Tx. 1950

? **ORYZETEA SATIVAE Miyawaki 1960**

- ? *Cypero-Echinochloëtalia oryzoidis* Bolòs et Masclans 1955
 ? *Oryzo-Echinochloion oryzoidis* Bolòs et Masclans 1955

Note: The sign ? indicates the syntaxa that might occur or had occurred in Slovakia.

REFERENCES

- HOLUB, J. et al. (1967): Übersicht der höheren Vegetationseinheiten der Tschechoslowakei. - Rozpr. Cs. Akad. Věd., Ser. Math.-Natur. 77(3): 1-75. Praha.
- KLIKA, J. (ed.) et al. (1941): Praktikum rostlinné sociologie, půdoznalectví, klimatologie a ekologie. - Praha. 385 pp.
- (1948): Rostlinná sociologie (fytocenologie). - Praha.
 - (1955): Nauka o rostlinných společenstvech. - Praha.
- MORAVEC, J. et al. (1983): Přehled vyšších vegetačních jednotek České socialistické republiky. - Preslia 55: 97-122. Praha.

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