

SURVEY OF SYNTAXA OF FOREST AND SHRUB VEGETATION OF SERBIA

PREGLED SINTAKSONOV GOZDNE IN GRMIŠČNE VEGETACIJE SRBIJE

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ABSTRACT UDC 630*17(497.11)582(497.11)
Survey of syntaxa of forest and shrub vegetation of Serbia

This short review includes the complete list – of the, so far described, Syntaxa of woody vegetation in Serbia – amended in harmony with the principles of the more recent syntaxonomy. At the sametime, all syntaxa werw renamed, i. c. harmonized with the international Code of Phytosociological Nomenclature (WEBER, H. E., J. MORAVEC. & J.-P. THEURILLAT, 2000).

The Survey includes the syntaxa to the level of associations and geographic variants.

Key words: Code of Phytosociological Nomenclature; forest an shrub vegetation of Serbia; names of syntaxa.

IZVLEČEK UDK 630*17(497.11)582(497.11)
Pregled sintaksonov gozdne in grmiščne vegetacije Srbije

V prispevku je predstavljen pregled celotnega gradiva – vseh do sedaj opisanih sintaksonov gozdne in grmiščne vegetacije Srbije, preoblikovan v skladu z načeli novejše sintaksonomije. Istočasno so vsi sintaksoni preimenovani, to je usklajeni, z Mednarodnim kodeksom fitocenološke nomenklature (WEBER, H. E., J. MORAVEC. & J.-P. THEURILLAT, 2000).

Pregled vsebuje sintaksone do nivoja asocijacije in geografskih variant.

Ključne besede: Kodeks fitocenološke nomenklature; gozdna in grmiščna vegetacija Srbije; imena sintaksonov.

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INTRODUCTION

More recently, the number of the syntaxon units has been multiply increased, as the result of the phytocoenological reserches. The international Association for Vegetation Science has undertaken certain measures in order to unify the rules in syntaxonomy, with the obligation of respecting the same, scientically-verified nomenclature.

The tird, most complete and detailed supplement Code of Phytocoenological Nomenclature was published in 2000 (WEBER, H. E., J. MORAVEC & J.-P. THEURILLAT 2000). The last version of the Codex, which replaces all the previous ones, is the official version and imposes the obligation of harmonizing the current nomenclature with the international rules, which are in force in all parts of Europe.

There is a great number of syntaxa in the previous phytocoenological literature, including plenty of synonyms and homonyms, wchich makes confusion, even among phytocoenologists. For instance, in Serbia as many as 300 associations of woody and bushy species were reported, classified in 50 alliances and suballiances (TOMIĆ, Z., LJ. RAKONJAC 2004).

The studies on the classification of plant communities in Serbia were especially intensive over the period 1960-1990, during the construction of the vegetation

map of SFR of Yugoslavia. Based on the synthesis of the results of about 60 authors and collaborators, the Scientific Council of the Vegetation Map made the Prodrumus (*Prodromus phytocoenosum Jugoslaviae ad mappam vegetationis*), as a manual for the construction of maps scale 1:200,000 (1986), which was intended as the base for the production of vegetation maps in any region of SFR Yugoslavia. The presentation of forest plant communities in the publications Vegetation in Serbia II 1 (1997) and II 2 (2006) was based on the above Prodrumus, as the only agreed and identified classification on the territory of the former SFRY (with partial deviations by individual authors, especially in Volume II 1). The other source was the latest textbook of «Forest Phytocoenology» for the students of the Faculty of Forestry (author TOMIĆ, Z., 2004). Namely, in this textbook, the order of syntaxa, as well as the distribution of the lower into the higher classification units, was at least partially made by the principles of the more recent syntaxonomy. Simultaneously, for the Vegetation in Serbia, Volume II 2, based on the reviewers' recommendations, and within the limited options (TOMIĆ, Z. 2006), the nomenclature of all syntaxa was amended, i.e. harmonised with the *International Code of Phytosociological Nomenclature* (WEBER, H.-E., J. MORAVEC & J.-P. THEURILLAT 2000).

RESULTS

The presented forest vegetation of Serbia is classified into the following syntaxonomic categories – from the highest, classes, via orders, alliances and suballiances, to associations and geographic variants:

Clas. Alnetea glutinosae Br.-Bl. & R. Tx. 1943. ex Westhof et al. 1946.

Ord. *Salicetalia auritae* Doing 1962.

All. *Salicion cinereae* Th. Müller & Görs 1958.

Ass.

Salicetum cinereae B. Jovanović 1953.

Phragmito-Salicetum cinereae Gigov & Bogdanović 1962.

Syn: *Phragmiteto-Salicetum cinereae* Gigov & Bogdanović 1962.

Thelyptero-Phragmito-Salicetum cinereae (Gigov & Bogdanović 1962) Janković 1996.

All. *Alnion glutinosae* Malcuit 1929.

Ass.

Salici cinereae-Alnetum glutinosae B. Jovanović & S. Jovanović-Juga 1986.

Alnetum glutinosae Vukićević 1956. s.l.

Saliceto cinereaea-Fraxinetum angustifoliae B. Jovanović 1979.

Fraxinetum angustifoliae Vukićević 1959 s.l.

Syn: *Fraxinetum oxycarpae* Mišić & Čolić 1974.

Carici remotae-Fraxinetum angustifoliae B. Jovanović & Tomić 1979.

Clas. *Salicetea purpureae* (Moor 58.) Grass 1993

Ord. *Salicetalia purpureae* Moor 1958.

All. *Salicion elaeagni* Aichinger 1933.

Ass.

Salicetum elaeagni Moor 1958.

Salici amplexicaulis-Myricarietum germanicae Moor 1958.

Syn: *Salici-Myricarietum* Moor 1958.

Potentillo palustridis-Salicetum rosmarinifoliae V. Randelović 1994.

All. *Salicion triandrae* (Malcuit 29) Th. Müller-Görs 1958.

Ass.

Salicetum triandrae (Malcuit 29.) Karpáti in Karpáti & Toth 1961-1962.

Syn: *Salicetum triandrae balcanicum* Karpáti 1962.

Salicetum purpureae Wendelberger - Zelinka 1952.

All. *Salicion albae* Soó 1930.

Ass.

Salicetum albae Issler 1926.

Syn: *Salicetum albae pannonicum* Parabućski 1972.

Salicetum albae-amygdalinae Slavnić 1952.

Salicetum albae-fragilis Soó 1958.

Populeto-Salicetum Rajevski 1950. s.l.

Salici-Populetum nigrae Parabućski 1972.

Populetum nigrae (Knapp 48.) B. Jovanović & Tomić 1979.

Populetum nigrae-albae Slavnić 1952.

Crataego nigrae-Populetum albae Parabućski 1972.

Syn: *Populetum albae balcanicum* Karpáti 1962.

Clas. *Querceto-Fagetea Br.-Bl. & Vlieger* 1937.

Ord. *Quercetalia pubescentis* J. Br.-Bl. & G. Br.-Bl. 1931.

All. *Ostryo-Carpinion orientalis* Ht 54 emend 1958.

Ass.

Quercetum trojanae Em & Ht. 1958.

Syn: *Quercetum trojanae macedonicum* Em & Ht. 1958.

Quercetum trojanae metochiensae Glišić 1967.

- All. *Fraxino orni-Ostryon carpinifoliae* Tomažič 1940.
 Ass.
Eryngio palmati-Ostryetum carpinifoliae Tomić (80) 2006.
 Syn: *Querco-Ostryetum carpinifoliae* Ht. 1938.
Seslerio-Ostryetum Ht. & Horvatić 1950.
Querco-Ostryetum carpinifoliae scardicum Tomić 1980.

 var. geograf. *Corylus colurna* (Blečić 58) Tomić 2006.
 Syn: *Colurno-Ostryetum carpinifoliae* Blečić 1958.

Fraxino orni-Ostryetum carpinifoliae Aichinger 1933.
 Syn: *Ostrya carpinifolia -Fraxinus ornus* Aichinger 1933.
Fraxino orni-Ostryetum Aichinger 1933.
Ostrya carpinifolia-Fraxinus ornus (Aichinger 33) Gajić 1959.
Ostryo-Ornetum (Aichinger 33) Fukarek 1969.
- All. *Syringo-Carpinion orientalis* Jakuch 1959.
 Ass.
Syringo-Carpinetum orientalis (Rudski 49. emend. B. Jovanović 1953) Mišić 1966.
 Syn: *Carpinetum orientalis serbicum* Rudski 1949. emend. B. Jovanović 1953.
Carpinetum orientalis scardicum Krasniqui 1972.
Carpinetum orientalis silicicolum B. Jovanović 1977.

Syringo-Coryletum colurnae Mišić 1966.
 Syn: *Syringo-Coryletum colurnae mixtum* Mišić 1966.

 var. geogr. *Acer intermedium* B. Jovanović (53) 1979.
 Syn: *Syringo-Aceri intermedii-Coryletum colurnae* B. Jovanović (53) 1979.

Syringo-Prunetum mahalebi Mišić 1981
- All. *Quercion pubescentis-petraeae* Br.-Bl. 1931.
 Syn: *Quercion pubescentis sessiliflorae* Br.-Bl. 1931.

 Ass.
Quercetum pubescentis-virgilianae B. Jovanović & Tomić in Jović et al. 1980-1987)

Fraxino orni-Quercetum virgilianae Gajić 1955.
 Syn: *Quercus pubescens-Fraxinus ornus* Gajić 1952.
Orno-Quercetum pubescentis Gajić 1955.
Paeonio peregrinae-Quercetum virgilianae B. Jovanović 1976.
Rhamneto-Quercetum virgilianae Gajić 1983
Phleo montani-Orno-Quercetum virgilianae Pekanović 1991.

Querco-Tilietum tomentosae Stjepanović-Veseličić 1953.

Quercetum cerridis-virgilianae B. Jovanović & Vukićević 1977.

Carpino orientalis-Quercetum B. Jovanović 1960.
 Syn: *Carpino orientalis-Quercetum mixtum* Mišić 1966.

All. *Aceri tatarici-Quercion* Zolyomi & Jakucs 1957.

Ass.

Tilio-Quercetum crassiusculae Slavnić 1952.

Convallario-Quercetum roboris Soó 1958.

Violo-Quercetum roboris B. Jovanović & Tomić in N. Jović et al. 1989-1990)

Aceri tatarici-Quercetum roboris Zolyomi 1957.

Syn: *Aceri tatarico-Quercetum pubescentis-roboris* Zolyomi 1957.

Quercetum pedunculiflorae-cerridis B. Jovanović 1978.

Syn: *Quercetum pedunculiflorae moesiicum* B. Jovanović 1978.

Polyquercetum pedunculiflorae B. Jovanović 1978.

All. *Quercion frainetto* Ht. 1954.

Ass.

Quercetum frainetto-cerridis Rudski 1949. s.l.

Syn: *Quercetum farnetto-cerris* Rudski 1949.

Quercetum confertae-cerris serbicum Rudski (1936)1949.

Hieracio-Quercetum frainetto-cerris B. Jovanović 1976.

Quercetum frainetto-cerris-virgilianae B. Jovanović & Vukićević 1977.

Quercetum petraeae-Quercetum frainetto-cerris B. Jovanović 1979.

Carpino betuli-Quercetum frainetto-cerris (Rudski 49) B. Jovanović 1979.

Robori-Quercetum frainetto-cerris (Slavnić 52) B. Jovanović & Tomić 1979

Sedo maximi-Quercetum frainetto-cerris B. Jovanović (79) 1986.

Musco-Quercetum frainetto-cerris (Slavković 74) B. Jovanović 1988.

var. geogr. ***Carpinus orientalis*** (Knapp 1944.) B. Jovanović 1956.

Syn: *Carpino orientalis-Quercetum frainetto-cerris* B. Jovanović 1953.

var. geogr. ***Ruscus aculeatus*** B. Jovanović 1979.

Syn: *Rusco aculeati-Quercetum farnetto-cerris* (Rudski 49) B. Jovanović 1979.

Quercetum farnetto-cerris subass. *aculeatosum* Gajić 1952.

var. geogr. ***Juglans regia*** Vukićević 1976.

Syn: *Juglando-Quercetum frainetto-cerris* Vukićević 1976.

var. geogr. ***Ostrya carpinifolia*** Vukićević 1976.

Syn: *Ostryo-Quercetum frainetto-cerris* Vukićević 1976.

var. geogr. ***Moltkia doerfleri*** Krasniqui 1972.

Syn: *Quercetum frainetto-cerris scardicum* Krasniqui 1972.

Quercetum frainetto B. Jovanović 1982.

Syn: *Quercetum frainetto moesiicum* B. Jovanović 1982.

Hypno cupressiformae-Quercetum frainetto B. Jovanović 1979.

All. *Quercion petraeae-cerridis* (R. Lakušić 1976) R. Lakušić & B. Jovanović 1980.

Ass.

Tilio tomentosae-Quercetum ceridris Glišić 1974.

Syn: *Quercetum cerris pannonicum* Glišić 1974.

Quercetum cerris Vukićević 1966. subass. *tilietosum tomentosae* Glišić 1974.

Quercetum cerris Vukićević 1966. subass. *typicum* Glišić 1974.

Fraxino orni-Quercetum cerridis Stefanović 1968.

Syn: *Quercetum cerris* Vukićević 1966.

Orno-Quercetum cerris Stefanović 1968.

Orno-Quercetum cerris macedonicum Em 1964.

Carpino orientalis-Quercetum cerridis Borisavljević 1968.

Syn: *Quercetum cerris* Vukićević 1966. subass. *carpinetosum orientalis* Borisavljević 1968.

Orno-Quercetum cerris subass. *carpinetosum orientalis* Stefanović 1968.

Vaccinio myrtilli-Quercetum cerridis Blečić, Tatić & Atanacković 1974.

Syn: *Vaccinio-Quercetum cerris* Tatić, Blečić & Atanacković 1971.

Myrtillo-Quercetum cerris (Glišić 72) Blečić, Tatić & Atanacković 1974.

Quercetum petraeae-cerridis B. Jovanović 1979. s.l.

Syn: *Quercetum montanum* Černjavski & B. Jovanović 1953.

Quercetum montanum subass. *cerretosum* Černjavski & B. Jovanović 1953.

Quercetum montanum Černjavski & B. Jovanović 53. fac. *cerrosus* Gajić 1961

Orno-Quercetum petraeae subass. *cerretosum* Em 1964.

Quercetum cerris subass. *petraetosum* Vukićević 1966.

Carici digitatae-Quercetum cerris-petraeae Janković 1980.

Cerreto-Quercetum montanum Mišić, Dinić & V. Jovanović 1984.

Ostryo carpinifoliae-Quercetum (B. Jovanović 67) Tomić 1980.

Syn: *Helleboro-Querco-Ostryetum* B. Jovanović 1967.

Helleboro odori-Querco-Ostryetum B. Jovanović 1967.

Helleboro-Ostryo-Quercetum Tomić 1980.

Querco-Coryletum colurnae var. geogr. *Acer intermedium* Mišić & Dinić 1971.

Syn: *Querco-Aceri intermedii-Coryletum colurnae* Mišić & Dinić 1971.

Fraxino excelsioris-Coryletum colurnae var. geogr. *Acer intermedium* Mišić & Dinić 1972.

Syn: *Fraxino-Aceri intermedii-Coryletum colurnae* Mišić & Dinić 1972.

Quercetum petraeae Černjavski & B. Jovanović 1953. s.l.

Syn: *Quercetum montanum* Černjavski & B. Jovanović 1953. s.l.

Festuco heterophyllae-Quercetum petraeae (Černjavski & B. Jovanović 1953) B. Jovanović 1989.

Syn: *Quercetum montanum serbicum* Černjavski & B. Jovanović 1950.

Quercetum montanum Černjavski et B. Jovanović 1953. s. str.

Musco-Quercetum petraeae B. Jovanović 1979.

Carici pilosae-Quercetum montanum (Janković 1980) B. Jovanović 1989.

Poo nemoralis-Quercetum montanum B. Jovanović 1989.

Fraxino orni-Quercetum petraeae (Borisavljević 55.) Mišić 1978.

Syn: *Quercetum montanum serbicum* (Černjavski & B. Jovanović 1953) subass. *ornetosum* Borisavljević 1955.

Quercetum montanum Černjavski & B. Jovanović subass. *ruscetosum* fac.

Fraxinus ornus Vukićević 1966.

Rusco aculeati-Quercetum montanum B. Jovanović 1979.

Carpino orientalis-Quercetum montanum (Gajić 61) B. Jovanović 1979.

Quercetum submontanum Kalinić, Mišić & Dinić 1984.

Quercetum montanum Černjavski & B. Jovanović 1953. subass. *ornetosum* Tomić 2003.

Festuco drymeiae-Quercetum petraeae Janković 1974.

Syn: *Quercetum montanum festucetosum montanae* Janković & Mišić 1960.

Quercetum sessiliflorae festucetosum montanae Janković & Mišić 1960.

Festuco-Quercetum petraeae Janković 1974.

Rumici acetosellae-Quercetum petraeae Janković 1974.

Asplenio-Quercetum petraeae Janković 1974.

Festuco montanae-Quercetum petraeae Janković 1980.

Tilio tomentosae-Quercetum petraeae Dinić, Mišić & Savić 1998.

Poo nemoralis-Quercetum polycarpae B. Jovanović 1979.

Ord. *Paliuro-Cotinetalia* Fukarek 1962.

All. *Pruno tenellae-Syringion* B. Jovanović 1979.

Ass.

Sorbo ariae-Syringetum vulgaris Vukićević 1968.

Syn: *Sorbo-Fraxino-Syringetum* Vukićević 1968.

Seslerio rigidae-Syringetum vulgaris Vukićević 1968.

Syn: *Seslerio-Syringetum* Vukićević 1968.

Cotino coggygriae-Syringetum vulgaris Vukićević 1968.

Syn: *Cotino-Syringetum* Vukićević 1968.

Berberido-Syringetum vulgaris Vukićević 1968.

Eryngio palmati-Syringetum vulgaris Diklić 1965.

Syn: *Eryngio-Syringetum vulgaris* Diklić 1965.

Syringetum deli-jovanense Knapp 1944.

Artemisio camphorati-Prunetum tenellae B. Jovanović 1955.

Syn: *Artemisio-Prunetum tenellae* B. Jovanović 1955.

Stipo grafianae-Rosetum spinosissimae B. Jovanović 1955.

Syn: *Stipo-Rosetum spinosissimae* B. Jovanović 1955.

Helleboro serbici-Juniperetum oxycedri B. Jovanović 1980.

Syn: *Juniperetum oxycedri serpentinicum* B. Jovanović 1980.

Polygalo doerflerii-Forsythietum europaeae Blečić & Krasniqui 1971.

Syn: *Polygalo-Forsythietum europaeae* Blečić & Krasniqui 1971.

Euphorbio pannonicae-Paliuretum spinae-christi Bogojević 1969.

Syn: *Euphorbio-Paliuretum spinae-christi* Bogojević 1969.

Andropogono ischaemumi-Paliuretum spina-christi B. Jovanović (73) 1997.

Syn: *Botryochloo-Paliuretum* B. Jovanović (1973) 1997.

Ord. *Prunetalia spinosae* R. Tüxen.1952.

All. *Prunion spinosae* Soó. (1930) 1940.

Ass.

Pruno spinosae-Crataegetum (Soó 30) Hueck 1931.

Rhamno cathartici-Prunetum spinosae Parabućski 1988.

Pteridio aquilini-Prunetum spinosae D. Lakušić (93) 1997.

Syn: *Pteridio-Prunetum spinosi* D. Lakušić (93) 1997.

Junipero oxycedri-Prunetum spinosae D. Lakušić (1993) 1997.

All. *Prunion fruticosae* R. Tüxen 1952.

Ass.

Prunetum spinosae-fruticosae B. Jovanović 1968.

Prunetum fruticosae (Oberdorfer 57) Kornaš in Kornaš & Medwecka-Kornaš 1974.

Ord. *Quercetalia roboris-petraeae* Br.-Bl. 1932.

All. *Quercion roboris-petraeae* Br.-Bl. 1932.

Ass.

Luzulo-Quercetum petraeae Oberdorfer in Oberdorfer et al. 1967.

Syn: *Quercetum montanum* subass. *luzuletosim nemorosae* B. Jovanović 1975.

Luzulo-Quercetum montanum B. Jovanović 1979.

Luzulo nemorosae-Quercetum montanum B. Jovanović 1979.

Dicrano scoparii-Quercetum petraeae B. Jovanović 1979.

Syn: *Musco-Quercetum petraeae* B. Jovanović 1953.

Querco-Castanetum sativae (Ht. 38) Glišić 1975.

Syn: *Querco-Castanetum drinensae* Glišić 1975.

Galio-Querco-Carpinetum B. Jovanović 1967. subass. *castanetosum*

Carpino orientalis-Castanetum sativae Dinić, V. Jovanović & Mišić 1998.

Syn: *Carpino orientalis-Querco-Castanetum sativae* Dinić, V. Jovanović & Mišić 1998.

Castanetum sativae (Nikolovski 51) Janković 1958.

Syn: *Querco-Castanetum metochiensae* Glišić (69) 1975.

Castanetum sativae metochiensae Janković 1958.

Fago moesiaca-Castanetum sativae (Glišić 75) Matović 1986.

Syn: *Fageto-Castanetum sativae mixtum* Matović 1986.

Castaneo-Fagetum submontanum Glišić 1975.

Populo tremuli-Betuletum pendulae Glišić (50) 1975. s.l.

Betuletum verrucosae Glišić 1950. s.l.

Ord. *Fagetalia sylvaticae* Pawlowski in Pawlowski, Sokolovski & Walisch 1928.

All. *Carpinion betuli* Oberdorfer 1957. emend Weinert 1968.

Syn: *Carpinion betuli illyrico-moesiacum* Ht. (50) 1963.

Carpinion betuli moesiicum B. Jovanović 1979.

Sub. All. *Quercus petraeae-Carpinenion betuli* Tomić (2004) 2006.

Ass.

Quercus petraeae-Carpinetum betuli Rudski 1949. s. l.

Syn: *Quercus-Carpinetum serbicum* Rudski 1949.

Rusco aculeati-Carpinetum betuli B. Jovanović 1979.

Syn: *Rusco-Quercus-Carpinetum* B. Jovanović 1979.

Galio schultesii-Carpinetum betuli B. Jovanović 1967.

Syn: *Galio schultesii-Quercus-Carpinetum* B. Jovanović 1967.

Staphylleo pinnati-Carpinetum betuli Ht., Glavač & Ellenberg 1974.

Syn: *Staphylleo-Carpinetum* Ht., Glavač & Ellenberg 1974.

Carici pilosae-Carpinetum betuli B. Jovanović 1979.

Syn: *Carici pilosae-Quercus-Carpinetum* B. Jovanović 1979.

Aegopodio podagrariae-Carpinetum betuli B. Jovanović 1979.

Syn: *Aegopodio-Quercus-Carpinetum* B. Jovanović 1979.

Carpinetum betuli Dinić 1977. s.l.

Chrysosplenio alternifoliae-Carpinetum betuli Dinić 1972.

Syn: *Chrysosplenio-Carpinetum betuli* Dinić 1972.

Carpino betuli-Quercetum petraeae

var. geogr. ***Quercus cerris*** B. Jovanović & Tomić (1980) 1997.

Syn: *Carpino-Quercetum petraeae-cerris* B. Jovanović & Tomić (1980) 1997.

Sub. All. *Quercus robori-Carpinenion betuli* Tomić (2004) 2006.

Syn: *Quercenion roboris planarum* Rauš 1974.

Ass.

Carpino betuli-Quercetum roboris (Anić 59) Rauš 1971.

Syn: *Carpino betuli-Quercetum roboris* (Vukićević 1956) B. Jovanović & Glišić 1967. s.l.

var. geogr. ***Quercus cerris*** Rauš 1971.

Syn: *Carpino betuli-Quercetum roboris* subass. *cerretosum* Rauš 1971.

Carpino-Quercetum robori-cerridis B. Jovanović (1980) 1997.

var. geogr. ***Tilia argentea* + *Tilia cordata*** B. Jovanović (1980) 1997.

Syn: *Tilio-Quercetum robori-cerridis* B. Jovanović (1980) 1997.

Tilio-Carpino betuli-Quercetum roboris B. Jovanović & Tomić (1980) 1997.

Carpino betuli-Quercetum roboris (Anić 59) subass. *tilietosum tomentosae* Rauš 1971.

var. geogr. ***Quercus frainetto*** B. Jovanović & Tomić 1980

Syn: *Carpino-Quercetum robori-cerris* subass. *frainetosum* B. Jovanović & Tomić 1980

All. *Fraxino excelsioris-Acerion* Fukarek 1968.

Ass.

Tilio-Fraxinetum excelsioris Knapp 1944. emend. B. Jovanović 1985.

Aceri-Fraxinetum excelsioris Černjavski & B. Jovanović 1950.

All. Fagion moesiaca Blečić & Lakušić 1976.

Sub. All. *Helleboro odori-Fagenion moesiaca* Soó & Borhidi 1960. in Borhidi 1963.

Syn: *Fagenion moesiaca submontanum* B. Jovanović 1976.

Ass.

Helleboro odori-Fagetum moesiaca Soó & Borhidi 1960. in Borhidi, A. 1963

Syn: *Fagetum timokensae* Knapp 1944.

Fagetum montanum serbicum Rudski 1949.

Helleboro odori-Fagetum Soó & Borhidi 1960. in Borhidi, A. 1963

Festuco montanae-Fagetum submontanum betuli Janković & Mišić 1960

Hyperico androsaemi-Fagetum submontanum E. Vukićević (1966) 1977.

Fagetum submontanum moesiicum (Rudski 1949) Jovanović 1976.

Rusco-Fagetum submontanum Gajić 1966.

Fagetum submontanum mixtum Mišić 1963.

Fagetum croaticum pannonicum submontanum Rauš 1974.

Dentario glandulosae-Fagetum submontanum B. Jovanović 1973.

Fagetum moesiaca submontanum B. Jovanović 1976.

Juglando-Fagetum moesiaca Mišić (1966) B. Jovanović 1970.

Syn: *Juglando-Fagetum submontanum* Mišić (1966) B. Jovanović 1970.

Fagetum submontanum (calcicolum) B. Jovanović 1955. subass. *juglandetosum* Mišić 1966.

Tilio tomentosae-Fagetum moesiaca (Janković & Mišić 60) Mišić 1972.

Syn: *Tilio-Fagetum submontanum* (Janković & Mišić 1960) Mišić 1972.

Quercu petraeae-Fagetum moesiaca Glišić 1971.

Syn: *Festuco montanae-Fagetum submontanum petraeae* Janković & Mišić 1960.

Quercu-Fagetum Glišić 1971.

Sub. All. *Asperulo-Fagenion moesiaca* Knapp (42) 1944.

Syn: *Asperulo-Fagion* Knapp (42) 1944 nomen invalidum

Asperulo-Fagion R.Tüxen 1956.

Fagenion moesiaca montanum B. Jovanović 1976.

Ass.

Asperulo odoratae-Fagetum moesiaca B. Jovanović 1973.

Syn: *Fagetum montanum serbicum* Rudski 1949

Fagetum moesiaca montanum B. Jovanović 1953.

Fagetum montanum silicicolum B. Jovanović 1953.

Fagetum montanum moesiicum B. Jovanović 1967.

Fagetum montanum serpentanicum B. Jovanović 1959.

Fagetum montanum asperuletosum B. Jovanović 1973.

Fagetum montanum dentarietosum B. Jovanović 1973.

Var. geogr. ***Laurocerasus officinalis*** B. Jovanović 1973.

Syn: *Lauroceraso-Fagetum* B. Jovanović 1973.

Asperulo taurinae-Fagetum moesiaca B. Jovanović 1955.

Syn: *Fagetum deli jovanense* Knapp 1944.

Fagetum montanum calcicolum B. Jovanović 1953.

Cephalanthero-Fagetum Oberdorfer 1957.

Festuco drymeiae-Fagetum moesiaca Mišić 1972.

- Syn: *Fagetum moesiaca montanum drymetosum* Janković & Mišić 1954.
Festuco montanae-Fagetum submontanum (Janković & Mišić 1960) Mišić 1972
Festuco drymeiae-Fagetum montanum B. Jovanović 1973.

Ilici-Fagetum moesiaca Gajić 1969.

- Syn: *Fagetum serbicum* Rudski 1949. subass. *ilicetosum* Gajić 1961.
Acereto-Fraxineto-Carpineto-Fagetum mixtum ilicetosum Mišić & Dinić 1967.
Ilici-Fagetum montanum Gajić 1969.
Ilici-Fagetum submontanum (Gajić 1961) B. Jovanović 1979.
Fagetum moesiaca montanum ilicetosum B. Jovanović 1979.

Sub. All. *Abieti-Fagenion moesiaca* B. Jovanović 1976.

Ass.

Polypodio-Fagetum moesiaca B. Jovanović (59) 1979.

- Syn: *Doronico columnae-(Abieti)-Fagetum* B. Jovanović 1955.
Abieti-Fagetum serbicum B. Jovanović 1955.
Abieti-Fagetum moesiaca B. Jovanović 1959.
Abieti-Fagetum silicicolum Gajić 1961.
Carpino betuli-Abieti-Fagetum Gajić 1969
Polypodio-Abieti-Fagetum B. Jovanović 1979.
Drymeo-Abieti-Fagetum Jovanović 1979.
Galio-Abieti-Fagetum B. Jovanović 1979.
Ilici-Abieti-Fagetum B. Jovanović 1979.

Fago moesiaca-Abietetum B. Jovanović 1953.

- Syn: *Fagetum abietetosum* B. Jovanović 1953.
Abieti-Fagetum poetosum nemoralis B. Jovanović 1955.
Abieti-Fagetum colurnetosum Gajić 1961.
Abieti-Fagetum calcicolum B. Jovanović 1967.
Corylo colurnae-Abieti-Fagetum Gajić 1961.

Epimedio alpini-Abietetum (B. Jovanović 79) Tomić 2006.

- Syn: *Abieti-Fagetum serpentanicum* B. Jovanović 1979.
Abieti-Fagetum serpentanicum Beus 1980.

Sub. All. *Aceri heldreichii-Fagenion moesiaca* B. Jovanović 1957.

- Syn: *Fagenion moesiaca subalpinum* B. Jovanović 1976.

Ass.

Fagetum longipedunculata (Greibenščikov 50) Mišić 1957.

- Fagetum subalpinum serbicum* Grebenščikov 1950.
Fagetum subalpinum superiorum Mišić & Popović 1954.
 Syn: *Fagetum subalpinum scardo-pindicum* Em 1961.

Aceri heldreichii-Fagetum moesiaca B. Jovanović 1957.

- Acereto heldreichii-Fagetum* B. Jovanović 1957.
 Syn: *Fago-Aceretum visianii* Blečić & Lakušić 1976.

Sub. All. *Ostryo-Fagenion moesiaca* B. Jovanović 1976.

Ass.

Ostryo carpinifoliae-Fagetum moesiaca B. Jovanović 1967.

- Syn: *Ostryo-Fagetum* Wraber 1966.

- Seslerio variaie-Ostryetum* B. Jovanović 1972.
Ostryo-Fago-Quercetum Vukićević 1976.
Aceri-Ostryo-Fagetum subass. *juglandetosum* Vukićević et al. 1976.
Aceri-Ostryo-Fagetum B. Jovanović 1967.
- Sub. All. *Fago-Corylenion colurnae* Borhidi 1964.
 Syn: *Fago-Colurnion* Borhidi 1964.
Corylo colurnae-Fagenion moesiaca B. Jovanović 1979.
 Ass.
Aceri intermedi-Coryletum colurnae B. Jovanović 1953.
 Syn: *Fago-hyrano-colurnetum* B. Jovanović 1953.
Fago-Aceri intermedi-Coryletum colurnae B. Jovanović 1979.
- Fago moesiaca-Coryletum colurnae*** Mišić 1966.
 Syn: *Fago-Coryletum colurnae mixtum* Mišić 1966.
- Corylo colurnae-Fagetum moesiaca*** B. Jovanović (55) 1979.
 Syn: *Fagetum montanum colurnetosum* B. Jovanović 1955.
Corylo colurnae-Fagetum B. Jovanović (1955) 1979.
- Sub. All. *Luzulo-Fagenion moesiaca* B. Jovanović 1976.
 Ass.
Luzulo-Fagetum moesiaca Mišić & Popović (54) 1978.
 Syn: *Fagetum moesiaca montanum luzuletosum* B. Jovanović 1953.
Luzulo-Fagetum montanum Mišić & Popović (1954) 1978.
Luzulo-Fagetum moesiaca submontanum B. Jovanović 1976.
Luzulo-Fagetum submontanum (Rajevski 1953) B. Jovanović 1976.
Luzulo-Fagetum festucetosum drymeiae Mišić & Popović (1954) 1978.
- Musco-Fagetum moesiaca*** B. Jovanović 1953.
 Syn: *Musco-Fagetum* B. Jovanović 1953.
Fageto-Muscetum B. Jovanović 1953.
Musco-Fagetum montanum B. Jovanović 1973.
Polytricho formosi-Fagetum B. Jovanović 1976.
Leucobryo-Fagetum montanum B. Jovanović (76) 1979.
- Vaccinio-Fagetum moesiaca*** Fukarek 1968.
- Vaccinio myrtilli-Abietetum*** B. Jovanović 1979.
 Syn: *Vaccinio myrtilli-Fago-Abietetum* B. Jovanović 1979.
- All. *Alnion glutinosae-incanae* Oberdorfer 1953.
 Ass.
Alnetum incanae Lüdi 1921.
 Syn: *Alnetum incanae* Tatić 1975
- Oxali-Alnetum incanae*** Blečić 1960.
- Carpino betuli-Alnetum incanae*** Dinić 1983.
 Syn: *Alno incanae-Carpinetum betuli* Dinić 1983.
- Alnetum glutinosae-incanae*** B. Jovanović et al. 1983.

Deschampsio caespitosae-Alnetum glutinosae B. Jovanović & Vukićević 1983.

Syn: *Deschampsio-Alnetum glutinosae montanum* B. Jovanović & Vukićević 1983.

Geo urbani-Alnetum glutinosae B. Jovanović & Vukićević 1983.

Syn: *Geo-Alnetum glutinosae montanum* B. Jovanović & Vukićević 1983.

Ord. *Quercetalia roboris* R. Tüxen 1931.

All. *Alno-Quercion roboris* Ht. 1938.

Ass.

Genisto elatae-Quercetum roboris Ht 1938.

Syn: *Querceto-Genistetum elatae* Ht. 1938.

Querceto-Genistetum elatae (Ht. 38) Vukićević 1959.

Carici praecocis-Quercetum roboris Erdeš 1971.

Quercetum roboris Mišić & Čolić 1974.

Deschampsio caespitosae-Quercetum roboris B. Jovanović 1979.

Ulmum campestris Parabućski 1972.

Fraxino angustifoliae-Ulmum effusae Slavnić 1952.

Syn: *Fraxineto-Ulmum effusae* Slavnić 1952.

Fraxino angustifoliae-Quercetum roboris B. Jovanović & Tomić 1979.

Quercu roboris-Fraxinetum angustifoliae Rudski 1949.

Syn: *Quercu-Fraxinetum moesiicum* Rudski 1949.

Querceto-Fraxinetum serbicum mixtum B. Jovanović 1951.

Quercu roboris- Fraxinetum palisae B. Jovanović (51) 1982.

Syn: *Querceto-Fraxinetum palisae* B. Jovanović 1982.

Clas. *Erico-Pinetea* Ht. 1959.

Ord. *Erico-Pinetalia* Ht. 1959.

All. *Pinion nigrae-sylvestris* (Ht. 1953) Zupančič 2007

Syn: *Orneto Ericion* Ht. 1958

Pinion nigrae Lakušić 1976

Orno-Pinion Em 1978

Pinion austroillyricum Fukarek 1969

Sub. All. *Pinenion illyricae* Stefanović 1960.

Syn: *Pinenion illyricum calcicolum* Stefanović 1960.

Pinion nigrae-illyricae R. Lakušić 1976.

Ass.

Laserpitio sileri-Pinetum illyricae Fukarek 1969.

Syn: *Pinetum nigrae montenegrinum* Blečić 1958.

Pinetum illyricum calcicolum Stefanović 1960.

Laserpitio sileri-Pinetum nigrae Fukarek 1969.

Ostryo carpinifoliae-Pinetum illyricae Čolić 1965.

Syn: *Seslerio-Ostryetum* Ht 1950. subass. *pinetosum nigrae* Fukarek & Stefanović 1958

Ostryeto-Ornetum pinetosum nigricantis Fukarek & Stefanović 1958.
Ostryo-Pinetum nigrae Čolić 1965.

Piceo omorikae-Pinetum illyricae Čolić 1965.

Syn: *Omorikae-Piceeto-Abieto-Fageto-Ostryeto-Pinetum nograe* Čolić 1965.

Sub. All. *Fraxino orni-Pinenion pallasianae* Em 1978.

Syn: *Orno-Pinenion pallasianae* Em 1978.

Ass.

Carici humilis-Pinetum nigrae B. Jovanović 1956.

Syn: *Humileto-Pinetum nigrae* B. Jovanović 1956.

Taxo-Pinetum nigrae Mišić 1981

Sub. All. *Erico-Pinenion gocensis* (Krause & Ludwig 57) Tomić 2004.

Syn: *Orno-Ericenion serpentanicum* Krause & Ludwig 1957.

Ass.

Erico-Pinetum gocensis Krause 1957. in Krause & Ludwig 1957.

Syn: *Pinetum nigrae serpentanicum* Pavlović 1951.

Pinetum silvestris nigrae subass. *ericetosum* Pavlović 1951.

Pinetum nigrae-nigrae Rajevski 1951.

Erico-Pinetum nigrae serpentanicum Krause 1957. in Krause & Ludwig 1957.

Pinetum silvestris nigrae subass. *genistetosum* Pavlović 1964.

Pinetum nigrae Tatić 1967. subass. *ericetosum-brometosae*

Euphorbio glabriflorae-Pinetum nigrae B. Jovanović 1972.

Seslerio rigidae-Pinetum gocensis Gajić 1954.

Syn: *Pinetum nigrae serpentanicum* Pavlović 1951 subass. *seslerietosum rigidae*

Seslerio-Pinetum nigrae Gajić 1954.

Pinetum silvestris nigrae subass. *seslerietosum* Pavlović 1964.

Pinetum nigrae Tatić 1967. subass. *seslerietosum rigidae*

Seslerio serbicae-Pinetum Ritter-Studnička 1970.

Potentillo heptaphyllae-Pinetum gocensis B. Jovanović 1959.

Syn: *Potentillo-Pinetum nigrae gočensis* B. Jovanović 1959.

Pinetum sylvestris-nigrae Pavlović 1951.

Syn: *Pinetum nigrae-sylvestris* Pavlović 1951.

Erico-Pinetum sylvestris Stefanović 1963.

Syn: *Erico-Pinetum sylvestris serpentanicum* Stefanović 1963.

Quercu dalechampii-Pinetum gocensis Pavlović 1964.

Syn: *Quercu-Pinetum* Pavlović 1964.

Pino nigrae-Quercetum dalechampii serpentanicum Cvjetičanin 1999.

Piceo omorikae-Pinetum gocensis Čolić 1965.

Syn: *Omorikae-Piceeto-Abieto-Fageto-Pinetum mixtum* Čolić 1965.

All. *Fraxino orni-Quercion dalechampii* (Ht. 63) Tomić 2004.

Syn: *Orno-Quercion serpentanicum* Ht. 1963.

Ass.

Asplenio cuneifoliae-Quercetum dalechampii (Pavlović 51) Cvjetičanin 1999.

- Syn: *Quercetum sessiliflorae* Pavlović 1951.
Erico-Quercetum petraeae serpentinum Krause & Ludwig 1957.
Quercetum montanum serpentinum Černjavski & B. Jovanović 1959.
Potentillo albae-Quercetum petraeae (Pavlović 51.) Ht. 1959.
Seslerio rigidae-Quercetum montanum serpentinum Slavković 1976.
Quercetum petraeae-dalechampii serpentinum Stefanović 1984.
Quercetum dalechampii serpentinum Cvjetičanin 1999.
Orno-Quercetum dalechampii serpentinum Cvjetičanin 1999.
Fago-Quercetum dalechampii serpentinum Cvjetičanin 1999.

***Ostryo carpinifoliae-Quercetum dalechampii* (Vukićević 64) Cvjetičanin 1999**

- Syn: *Querceto-Ostryetum* Krause & Ludwig 1957.
Ostryeto-Quercetum petraeae serpentinum Vukićević 1964.
Ostryo-Quercetum dalechampii serpentinum Cvjetičanin 1999.

All. *Pinion heldreichii* Ht. 1950.

Ass.

***Pinetum heldreichii* Janković 1958.**

- Syn: *Pinetum heldreichii typicum* Janković 1958.
Verbasco nikolai-Pinetum heldreichii Janković 1958.
Pinetum heldreichii bertisceum Blečić 1959. s.l.

***Helleboro purpurascens-Pinetum heldreichii* Janković 1958.**

- Syn: *Pinetum heldreichii-Helleboretum purpurascens* Janković 1958.

***Fago moesiaca-Pinetum heldreichii* Janković 1958.**

- Syn: *Fago-Pinetum heldreichii* Janković 1958.

***Thalictro aquilifolium-Pinetum heldreichii* Janković 1958.**

***Genisto radiatae-Pinetum heldreichii* Janković 1958.**

- Syn: *Pinetum heldreichii patulectorum* Janković 1958.

***Rhamno fallacis-Pinetum heldreichii* Janković & Pavlović-Muratspahić 2003.**

***Seslerio autumnale-Pinetum heldreichii* Janković & Bogojević 1962.**

- Syn: *Seslerio Pinetum heldreichii* Janković & Bogojević 1962.

***Junipero oxycedri-Pinetum heldreichii* Blečić & Tatić 1960.**

- Syn: *Junipero-Pinetum heldreichii* Blečić & Tatić 1960.
Pinetum heldreichii-Bruckenthalieto-Ptilotrichetum dieckii Janković & Bogojević 1962.
Ptilotricho-Pinetum heldreichii Janković 1975.
Ptilotricho-Bruckenthalio-Pinetum heldreichii Janković 1982.

All. *Cytisanthion radiati* N. Randelović & Rexhepi 1979.

Ass.

***Cytisanthetum radiati* N. Randelović & Rexhepi 1979.**

Clas. *Vaccinio-Piceetea* Br.-Bl. in Br.-Bl. et al. 39. emend Zupančič (76) 1980

Ord. *Vaccinio-Piceetalia* (Pawlowski in Pawlowski et al. 28) Br.-Bl. in Br.-Bl. et al. 1939. emend. K. Lund 1967.

All. *Vaccinio-Piceion* (Pawłowski in Pawłowski et al. 28) Br.-Bl. in Br.-Bl. et al. 1939.

Sub. All. *Abieti-Piceenion* Br.-Bl. in Br.-Bl. et al. 1939.

Ass.

Abieti-Piceetum abietis Mišić & Popović 1978.

Syn: *Abieti-Piceetum serbicum* Mišić & Popović 1978.

Piceo-Abietetum Čolić 1965.

Syn: *Piceo-Fago-Abietetum* Čolić 1965.

Piceeto-Abieti-Fagetum moesiacum Mišić et al. 1978.

Abieti-Fagetum piceetosum Mišić & B. Jovanović 1983.

Erico-Abietetum Mišić & Popović (54) 1960.

Syn: *Erico-Abieti-Piceetum* Mišić & Popović 1960.

Sub. All. *Vaccinio-Piceenion* Oberdorfer 1957.

Ass.

Oxali acetosellae-Piceetum abietis (Rudski 49) Mišić & Popović 1960.

Syn: *Piceetum excelsae montanum serbicum* Grebenščikov 1950.

Piceetum abietis serbicum (Rudski 49) Mišić & Popović 1960.

Arctostaphyllo-Piceetum Mišić & Popović 1960.

Junipero sibiricae-Piceetum abietis Mišić & Popović 1960.

Syn.: *Vaccinio-Junipero sibiricae-Piceetum* Mišić & Popović 1960.

All. *Dicrano-Pinion* (Libbert 1932) Matuszkiewicz 1962.

Syn: *Pinion sylvestris* R. Lakušić 1976.

Ass.

Vaccinio myrtilli-Pinetum sylvestris Tomažič 1940.

Syn: *Pinetum sylvestris dinaricum* Stefanović 1958.

Pinetum illyricum calcicolum Stefanović 1960.

Pinetum moesiacum calcicolum Obratov 1992.

Piceo abietis-Pinetum sylvestris Stefanović 1960.

Syn: *Piceo-Pinetum illyricum* Stefanović 1960.

Piceo-Pinetum sylvestris montenegrinum Blečić 1976.

Piceeto-Pinetum moesiacum Obratov 1992.

All. *Pinion peuces* Ht. 1950.

Ass.

Wulfenio carinthiacae-Pinetum peuces Blečić & Tatić 1957.

Syn: *Wulfenio-Pinetum peuces* Blečić & Tatić 1957

Pinetum peuces montenegrinum Blečić & Tatić 1957.

Pinetum peuces Janković 1958.

Syn: *Pinetum peuces scardicum* Tomanić et al. 1998.

Ajugo pyramidalis-Pinetum peuces Janković & Bogojević 1962.

Syn: *Ajugo-Pinetum peuces* Janković & Bogojević 1962.

Rhododendro ferruginei-Pinetum peuces Janković & Bogojević 1962.

Syn: *Rhododendro-Pinetum peuces* Janković & Bogojević 1962.

Pinetum peuces-Rhododendretum ferruginei Janković & Bogojević 1962.

- Piceo-Pinetum peuces*** Lakušić 1965.
- Pinetum heldreichii-peuces*** Stevanović, S. Jovanović & Janković 1994.
 Syn: *Pinetum heldreichii-peuces scardicum* Stevanović, S. Jovanović & Janković 1994.
- All. *Piceion omorikae* Tregubov 1941.
 Ass.
Piceetum omorikae Tregubov 1941. s.l.
- Piceo omorikae-Abietetum*** Čolić 1965.
 Syn: *Piceo omorikae-Abieti-Fagetum* Čolić 1965.
- Alno glutinosae-Piceetum omorikae*** Čolić & Gigov 1958.
 Syn: *Omorikae-Piceeto-Alnetum glutinosae* Čolić & Gigov 1958.
- Erico carneae-Piceetum omorikae*** Matović 1986.
 Syn: *Erico-Piceetum omorikae mixtum* Matović 1986.
- All. *Pinion mugo* Pawlowski in Pawlowski et al. 1928.
 Ass.
Pinetum mugi Janković 1972.
 Syn: *Pinetum mugi typicum* Janković 1972.
Pinetum mugi Mišić et al. 1978.
- Wulfenio carinthiacae-Pinetum mugi*** Grebenščikov 1943.
 Syn: *Wulfenio-Pinetum mugi* (Grebenščikov 43) Janković & Bogojević 1967.
- Achilleo alexandri-regis-Pinetum mugi*** Rexhepi 1986.
 Syn: *Achilleo-Pinetum mugi* Rexhepi 1986.
Pinetum mugi calcicolum Rexhepi 1986.
- Sorbo mougeotii-Pinetum mugi*** B. Jovanović 1953.
 Syn: *Sorbo-Pinetum mugi* B. Jovanović 1953
- Geo bulgarici-Pinetum mugi*** Amidžić 2003.
 Syn: *Pinetum mugi-Geum bulgaricum* Amidžić 2003.
- Homogyno alpinae-Pinetum mugi*** Pavlović - Muratspahić & Janković 2003.
 Syn: *Homogyno-Pinetum mugi-Vaccinietum* Pavlović - Muratspahić & Janković 2003.
- Bruckenthalio spiculifoliae-Pinetum mugi*** Janković & Bogojević (74) 1976.
 Syn: *Pinetum mugi serpentinum* Rexhepi 1986.
Pinetum mugi-Ptilotricho-Bruckenthalietum spiculifoliae Janković & Bogojević 1974.
Ptilotricho-Bruckenthalio-Pinetum mugi Janković & Bogojević 1976.
- All. *Juniperion sibiricae* Br.-Bl. in Br.-Bl. et al. 1939.
 Syn: *Juniperion nanae* Br.-Bl. 1936.
 Ass.
Piceo subalpinae-Juniperetum sibiricae Mišić & Popović (54) 1978.
 Syn: *Piceo subalpinae-Vaccinio-Juniperetum* Mišić & Popović (1954) 1978.

Vaccinio myrtilli-Juniperetum sibiricae Mišić 1964.

Syn: *Vaccinio-Juniperetum sibiricae* Mišić 1964.

Juniperetum sibiricae-intermediae B. Jovanović 1953.

All. *Bruckenthalion spiculifoliae* (Ht. 38.) Zupančič 1992.

Ass.

Bruckenthalio spiculifoliae-Juniperetum sibiricae (Ht. 38) Zupančič 1992.

Syn: *Bruckenthalio-Juniperetum* Ht. 1938.

Vaccinio-Bruckenthalietum spiculifoliae R. Jovanović-Dunjić 1972.

Syn: *Vaccinio-Bruckenthalietum* R. Jovanović-Dunjić 1972.

Ord. *Vaccinietalia* R. Lakušić 1979.

All. *Vaccinion uliginosi* R. Lakušić 1979.

Ass.

Vaccinietum myrtilli (Pavlović 1951) Mišić 1960.

Vaccinietum uliginosi R. Jovanović-Dunjić 1976.

Clas. *Betulo-Adenostyletea* Br.-Bl. & R.Tx. 1943.

Ord. *Adenostyletalia* G. Br.-Bl. & J. Br.-Bl. 1931.

All. *Alnion viridis* Aichinger 1933.

Ass.

Salici silesiaca-Alnetum viridis Čolić, Mišić & Popović 1963.

Syn: *Salici-Alnetum viridis* Čolić, Mišić & Popović 1963.

CONCLUSIONS

This paper introduce new, scientifically-verified nomenclature of basic and higher syntaxa in Serbia – from associations and geographic variants, via suballiances, alliances, orders to classes.

There is a great number of over 300 associations of woody and bushy species which number is reduced on 179 associations and 12 geographic variants with 35 alliances and 14 suballiances, 12 orders and 6 classes.

POVZETEK

Pregled sintaksonov gozdne in grmiščne vegetacije vsebuje vse do sedaj opisane gozdne vegetacije v Srbiji, ki je usklajen z najnovejšimi principi sintaksonomije. Gradivo je razporejeno po drugačnem redosledu od najnižjih do najvišjih sintaksonov, kot je bilo doslej. Preimenovanja sintaksonov je usklajeno z Mednarodnim kodeskom fitocenološke nomenklature (WEBER, H. E., J. MORAVEC & J. P. THEURILLAT 2000). Pregled je urejen do nivoja

asociacij oziroma geografskih variant, s tem, da je za asociacije in zveze dodana sinonimika, da je mogoče pravilno slediti in obravnavati predhodne rezultate v zvezi z novo, po mednarodnih pravilih, imenovane sintaksone — asociacije in zveze.

Pregled vsebuje naslednje razrede, rede, zveze in podzveze.

SAŽETAK

U radu je dat pregled celokupne materije – svih do sada opisanih sintaksona drvenaste vegetacije Srbije – prekomponovan u skladu sa principima novije sintaksonomije. To znači da je materija raspoređena po drugačijem rredosledu sintaksona, a raspored nižih u više klasifikacione jedinice delimično promenjen u odnosu na raniju klasifikaciju. Istovremeno je izvršeno preimenovanje svih sintaksona, tj. usklađivanje sa Međunarod-

dnim kodeksom fitocenološke nomenklature (WEBER, H. E., MORAVEC, J. & THEURILLAT, J. P., 2000.). Pregled je urađen do nivoa asocijacija i geografskih varijanti, s tim što je za asocijacije i sveze data i sinonimika, da bi se omogućilo pravilno korišćenje prethodno objavljenih rezultata.

U pregledu su dati sledeći razredi, redovi, sveze i podsveze:

Razred Alnetea glutinosae Br.-Bl. & R. Tüxen 1943. ex Westhof et al. 1948.
Red Salicetalia auritae Doing 1962.

Sveze

Salicion cinereae Th. Müller & Görs 1958. – 2 asocijacije

Alnion glutinosae Malcuit 1929. – 5 asocijacija

Razred Salicetea purpureae (Moor 1958.) Grass 1993.
Red Salicetalia purpureae Moor 1958.

Sveze

Salicion elaeagni Aichinger 1933. – 3 asocijacije

Salicion triandrae (Malcuit 29) Th. Müller-Görs 1958. – 2 asocijacije

Salicion albae Soó 1930. – 8 asocijacija

Razred Quercu-Fagetea Br.-Bl. & Vlieger 1937.
Red Quercetalia pubescentis J. Br.-Bl. & G. Br.-Bl. 1931.

Sveze

Ostryo-Carpinion orientalis Ht (54) 1958. – 1 asocijacija

Fraxino orni-Ostryon carpinifoliae Tomažič 1940. – 2 asocijacije, 1 geografska varijanta

Syringo-Carpinion orientalis Jakuch 1959. – 3 asocijacije, 1 geografska varijanta

Quercion pubescentis-petraeae Br.-Bl. 1931. – 5 asocijacija

Aceri tatarici-Quercion Zolyomi & Jakucs 1957. – 5 asocijacija

Quercion frainetto Ht. 1954. – 3 asocijacije, 5 geografskih varijanti

Quercion petraeae-cerridis (R. Lakušić 1976) Lakušić & B. Jovanović 1980.
– 13 asocijacija, 2 geografske varijante

Red Paliuro-Cotinetalia Fukarek 1962.

Sveze

Pruno tenellae-Syringion B. Jovanović 1979. – 11 asocijacija

Red Prunetalia spinosae R. Tüxen 1952.

Sveze

Prunion spinosae Soó. (1930) 1940. – 4 asocijacije

Prunion fruticosae R. Tüxen 1952. – 2 asocijacije

Red. Quercetalia roboris-petraeae Br. – Bl. 1932.

Sveza

Quercion roboris-petraeae Br.-Bl. 1932. - 8 asocijacija

Red Fagetalia sylvaticae Pawlowski in Pawlowski et al. 1928.

Sveze

Carpinion betuli Oberdorfer 1957. emend Weinert 1968.

Podsveze

Quercus petraeae-Carpinion betuli Tomić (2004) 2006. - 9 asocijacija, 1 geografska varijanta

Quercus roboris-Carpinion betuli Tomić (2004) 2006. - 1 asocijacija, 3 geografske varijante

Fraxino excelsioris-Acerion Fukarek 1968. - 2 asocijacije

Fagion moesiaca Blečić & Lakušić 1976.

Podsveze

Helleboro odori-Fagenion moesiaca Soó & Borhidi 1960. in Borhidi 1963. - 4 asocijacije

Asperulo-Fagenion moesiaca Knapp (42) 1944. - 4 asocijacije, 1 geografska varijanta

Abieti-Fagenion moesiaca B. Jovanović 1976. - 3 asocijacije

Aceri heldreichii-Fagenion moesiaca B. Jovanović 1957. - 2 asocijacije

Ostryo-Fagenion moesiaca B. Jovanović 1976. - 1 asocijacija

Fago-Corylenion columnae Borhidi 1964. - 3 asocijacije

Luzulo-Fagenion moesiaca B. Jovanović 1976. - 4 asocijacije

Alnion glutinosae-incanae Oberdorfer 1953. - 3 asocijacije

Red Quercetalia roboris R. Tüxen 1931.

Sveza

Alno-Quercion roboris Ht 1938. 7 asocijacija

Razred Erico-Pinetea Ht. 1959.

Red Erico-Pinetalia Ht. 1959.

Sveze

Fraxino orni-Pinetum nigrae-sylvestris (Ht. 53) Zupančič 2007

Podsveza

Pinenion illyrica - *sylvestris* Stefanović 1960. - 3 asocijacije

Fraxino orni-Pinenion pallasiana Em 1978. - 2 asocijacije

Erico-Pinenion gočensis (Krause & Ludwig 57) Tomić 2004. - 6 asocijacija

Fraxino orni-Quercion dalechampii (Ht. 63) Tomić 2004. - 2 asocijacije

Pinion heldreichii Ht. 1950. - 8 asocijacija

Cytisanthion radiati N. Randelović & Rexhepi 1979. - 1 asocijacija

Razred Vaccinio-Piceetea Br.-Bl. in Br.-Bl. et al. 39. emend. Zupančič (76) 1980.

Red Vaccinio-Piceetalia (Pawlowski in Pawlowski et al. 28) Br.-Bl. in Br.-Bl. et al. 1939. emend K. Lund 1967.

Sveze

Vaccinio-Piceion (Pawlowski in Pawlowski et al. 28) Br.-Bl. in Br.-Bl. et al. 1939.

Podsveze

Abieti-Piceenion Br.-Bl. in Br.-Bl. et al. 1939. - 3 asocijacije

Vaccinio-Piceenion Oberdorfer 1957. - 3 asocijacije

Dicrano-Pinion (Libbert 32) Matuszlewicz 1962. - 2 asocijacije

Pinion peuces Ht. 1950. - 6 asocijacija

Piceion omorikae Tregubov 1941. - 4 asocijacije

Pinion mugi Pawlowski in Pawlowski et al. 1928. - 7 asocijacija

Juniperion sibiricae Br.-Bl. in Br.-Bl. et al. 1939. – 3 asocijacije
Bruckenthalion spiculifoliae (Ht. 38) Zupančič 1992. – 2 asocijacije

Red Vaccinietalia R. Lakušić 1979.

Sveza
Vaccinion uliginosi R. Lakušić 1979. – 2 asocijacije

Razred Betulo-Adenostyletea Br.-Bl. & Tüxen 1943.
Red Adenostyletalia G. Br.-Bl. & J. Br.-Bl. 1931.

Sveza
Alnion viridis Aichinger 1933. – 1 asocijacija

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