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**MINISTRY OF EDUCATION AND SCIENCES OF UKRAINE  
V. N. KARAZIN KHARKIV NATIONAL UNIVERSITY**

**K. O. ZVYAGINTSEVA**

**AN ANNOTATED CHECKLIST  
OF THE URBAN FLORA OF KHARKIV**

**Kharkiv-2015**

UDK 581.9 (477.54)  
BBK 28.592  
3-45

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The summary of Kharkiv urban flora that numbers 1094 species of vascular plants of 512 genera and 116 families has been made and is based on the original data, the critical analysis of *KW*, *CWU*, *DNZ* Herbaria collections and the data from literature. The information on every species includes the data on biomorphology, ecology and geography; the degree of hemoroby, the connection with city zones, the status of protection; for the species of the adventive fraction of flora there is also data chronoelement, the degree of naturalization and the way of introduction included.

The information is intended for botanists, ecologists, representatives of environmental and plant quarantine agencies, university teachers and students.

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**НАЦІОНАЛЬНА АКАДЕМІЯ НАУК УКРАЇНИ  
ІНСТИТУТ БОТАНІКИ імені М. Г. ХОЛОДНОГО**

**МІНІСТЕРСТВО ОСВІТИ ТА НАУКИ УКРАЇНИ  
ХАРКІВСЬКИЙ НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ  
імені В. Н. КАРАЗІНА**

**К. О. ЗВЯГІНЦЕВА**

**АНОТОВАНИЙ КОНСПЕКТ  
УРБАНОФЛОРИ ХАРКОВА**

**Харків-2015**

УДК 581.9 (477.54)  
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3-45

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**Звягінцева К. О.**

3-45

Анотований конспект урбанофлори Харкова / К. О. Звягінцева ; наук. ред. М. В. Шевера. – Х. : ХНУ імені В. Н. Каразіна, 2015. – 96 с.

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Конспект урбанофлори Харкова, який налічує 1094 види судинних рослин з 512 родів та 116 родин, складено на основі оригінальних даних, критичному опрацюванні колекцій Гербаріїв *KW*, *CWU*, *DNZ* і літературних даних. Для кожного виду подано відомості з біоморфології, екології та географії, зазначено ступінь гемеробії, приуроченість до зон міста, охоронний статус, а для видів адвентивної фракції флори, також, хроноелемент, ступінь натуралізації та спосіб занесення.

Для ботаніків, екологів, працівників природоохоронних та фітокарантинних служб, викладачів та студентів вищих навчальних закладів.

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## ***Introduction***

Urban floristics as a school has been established in the countries of Western Europe, and now it is being actively developed in Ukraine. The research into urban floras is one of the priority tendencies of contemporary floristics, and its scientific significance is growing due to the increasing anthropogenic pressure.

For the past 15 years, the researches into urban flora in Ukraine have been carried out in the theses by I.I. Moysienko (1999), dedicated to Kherson; R.P. Melnik (2001), Mykolaiv; L.M. Gubar (2006), the towns of Small Polissya; G.F. Arkushina (2007), Kirovohrad; D.V. Yepikhina (2008), Simferopol; O.K. Galagan (2010), Kremenets; L.V. Zavyalova (2012), Chernihiv; G.G. Derevyanska (2014), the Donetsk-Makiivka megalopolis. There have been summaries published on urban flora of South-Eastern Ukraine (Burda, 1997), Uzhhorod (Prototopova, Shevera, 2002), Kryvyi Rih (Kucherevskiy, Shol', 2003, 2009), Kamianets-Podilskyi (2004), Kirovohrad (2010), Chernihiv (Zavyalova, 2012), as well as numerous articles.

## ***City location***

Kharkiv (N 50°0'0", E 36°13'45") is located on the East European Plain in the northeast of Ukraine on the border of two landscape zones – forest-steppe and steppe. The city stretches 25 km from east to west and more than 20 km from north to south; the total area is 310 km<sup>2</sup> (2013); population – 1,452,230, density – 5157/km<sup>2</sup>.

Kharkiv's climate is humid continental; the relief is marked by undulating and broad undulating ravine plane divided by river valleys, with prevailing south-facing surface slopes. Rivers the Udy, the Lopan and the Kharkiv flow through the city (the Don Basin).

## ***Summary of the city's historical development***

Kharkiv is a big industrial, scientific and cultural center of Kharkiv Region. The name 'Kharkiv' was first mentioned in the historical statement on 23 March 1656, where the settlement was called a new town that was still being built. The initial settlement was situated on the pointed high cape between the Lopan and the Kharkiv rivers.

The territory of Kharkiv has been always expanding unevenly. The biggest expansion was in the 19th century when the territory expanded from 85 square km to 273.3 square km in 1850s. By the beginning of the 20th century, the territory of Kharkiv was 306.0 square km, and expanded to 310.0 square km by the 21st century. With the urban development, the diversity of species was decreasing while the degree of synantropization was increasing and led to a significant transformation of the plant cover.

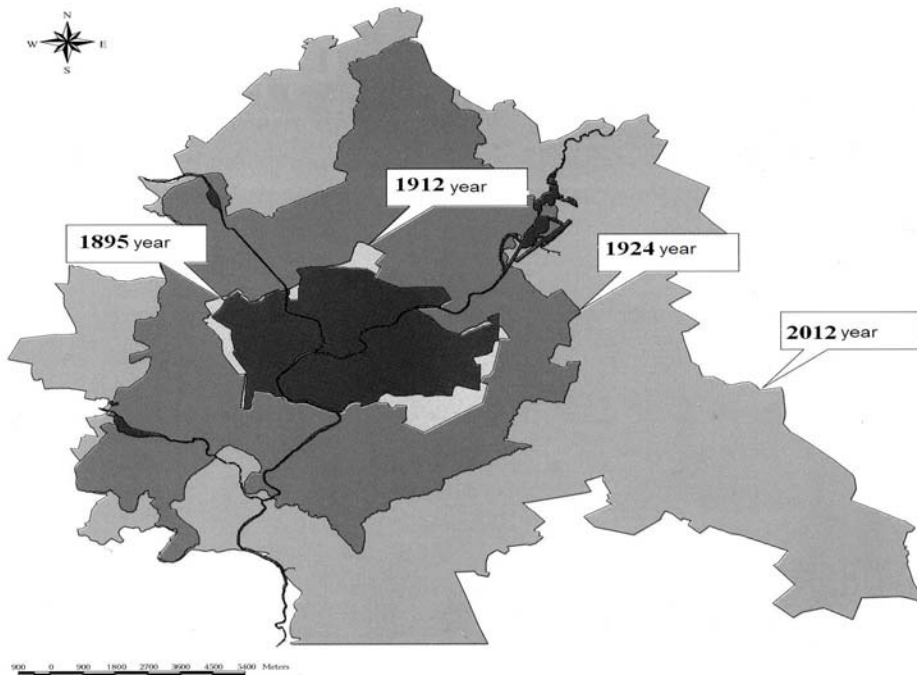


Fig. 1. Stages of development of the Kharkiv

### ***Brief history of the researches into the plant cover of Kharkiv***

The researches into Kharkiv flora can be divided into four main stages. The first stage (1859—1904) is characterized by the inventory of flora and the first lists published: V.M. Cherniayeva (1859), K.S. Gornitsky (1873), L.O. Pavlovich (1889), P.M. Nalyvaiko (1899), G.Y. Tymofeyeva (1904) and others. The second stage (1916—1956) was connected with the researches into separate groups of plants and types of vegetation within Kharkiv borders and its surroundings: V.M. Arnoldi (1916), V.I. Taliev (1913), Y.M. Lavrenko (1925), M.I. Kotov (1927, 1930, 1931), M.V. Klokov (1924), O.I. Kolesnikov (1937), O.L. Lypa (1952), Y.D. Yermolenko (1956) and others. The third stage (1986—1993) – accumulation of the information about floristic findings in the city – Y.M. Prokudin (1977), M.M. Tzvelev (1981, 1982, 1983), R.I. Burda and O.A. Ryabokon' (1993), and others. The fourth stage (1994—2014) – comprehensive researches into Kharkiv urban flora within the increase of anthropogenic pressure: R.I. Burda and O.A. Ryabokon' (1994, 1995, 1996), K.O. Zvyagintseva (2010, 2011, 2012, 2013, 2014, 2015).

### ***Materials and methods***

The field studies were carried out during the vegetation period from 2009 to 2014 within the administrative borders of Kharkiv. The work was based on our own studies, literature reviews, critical processing of the Herbaria of the

N.G. Kholodny Institute of Botany (KW), V.N. Karazin Kharkiv National University (CWU), Donetsk Botanical Garden of the National Academy of Sciences of Ukraine (DNZ) and cartographic materials. The conventional methods of floristic analysis were used: systematic – by A.I. Tolmachev (1962, 1974), biomorphological – by C. Raunkiaer (1934) and I.G. Serebryakov, geographical – by Y.D. Kleopov (1990), ecological – by Ya.P. Didukh (2003). The fractional analysis of urban flora was carried out according to the classification by Y. Kornas (1968). In order to assess the participation of species of various degree of hemeroby in urban flora, the scale of hemeroby by J. Jalas (1955) was used. The zoological characteristics of species is given according to the 'Red Book of Ukraine, Plants' (2009) and the 'Official Regional Lists of Rare Plants in the Administrative Territories of Ukraine' (2012). The list of species of urban flora is made according to 'Vascular Plants of Ukraine: A Nomenclatural Checklist' (Mosyakin, Fedoronchuk, 1999).

### **Main Results**

According to our data, summarized on the basis of the original researches, the critical processing of the KW, CWU and DNZ Herbaria collections as well as of the sources in literature, Kharkiv urban flora is represented by 1094 species of vascular plants that belong to 512 genera and 116 families. There have been two species found – *Eragrostis suaveolens* A.Becker ex Claus, *Phragmites altissimus* (Benth) Nabile – that are new for the left-bank forest-steppe zone.

The synanthropic fraction of Kharkiv urban flora is represented by 629 species, including 284 apophytes and 345 species of adventive plants; the native flora – by 465 species. The species composition has been replenished by 141 species, including: 69 species of adventive plants; 72 native species, 19 of them are apophytes which influenced the systematic specter and in particular the increase in significance of families such as *Chenopodiaceae*, *Fabaceae* that are typical for the synanthropic fractions of flora, and the decrease in significance of species in *Cyperaceae* and *Ranunculaceae* families that are typical for the native zonal flora. During the period of analysis, 22 species of vascular species have disappeared (e.g., *Lycopodiella inundata*, *Stratiotes aloides*, *Cicuta virosa*, *Heliotropium ellipticum*, *Juncus filiformis* and others).

The systematic structure of the analyzed urban flora is similar to the regional one; the high positions of *Brassicaceae*, *Fabaceae*, *Lamiaceae* families indicate the intensification of characteristics that are typical for the Ancient Mediterranean region.

The analysis of the geographical structure of Kharkiv urban flora has shown that it is of boreal sub-Mediterranean and European character with some

characteristics of Eurasian, South-Siberian and Nomadic geographical elements. The major feature of the analyzed urban flora is the less active participation of the boreal geographical element of flora at the expense of a higher role of the nemoral one.

The research into the ecological structure of Kharkiv urban flora has indicated the dominance of heliophilous species of mesophylls group from the sub-Mediterranean thermal zone.

It has been found that 67 species of Kharkiv urban flora are rare, 17 of them are added to The Red Book of Ukraine, 9 of them are protected by CITES, 4 of them are protected by Berne Convention, 37 species are regionally rare.

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### ***Вступ***

Урбанофлористика як науковий напрямок започаткований у країнах Західної Європи, а зараз активно розвивається і в Україні. Дослідження урбанофлор – один із пріоритетних напрямків сучасної флористики, наукове значення якого зростає через активізацію антропогенного пресу.

За останні 15 років урбанофлористичні дослідження в Україні реалізувалися в дисертаційних роботах І. І. Мойсієнко (1999), присвячених м. Херсону, Р. П. Мельник (2001) – Миколаєву, Л. М. Губар (2006) – малих міст Малого Полісся, Г. Ф. Аркушиної (2007) – Кіровограду, Д. В. Єпіхіна (2008) – Сімферополя, О. К. Галаган (2010) – Кременцю, Л. В. Зав'ялової



(2012) – Чернігову, Г. Г. Дерев'янської (2014) – мегаполісу Донецьк-Макіївка. Оpubліковано конспекти урбанofлор південного сходу України (Burda, 1997), Ужгорода (Protoporova, Shevera, 2002), Кривого Рогу (Кучеревський, Шоль, 2003, 2009), Кам'янця-Подільського (2004), Кіровограду (2010), Чернігова (Zavyalova, 2012), а також у численних статтях.

### ***Розташування міста***

Харків (N 50°0'0", E 36°13'45") розташований у межах Східно-Європейської рівнини на північному сході України на межі двох ландшафтних зон – Лісостепу й Степу. Протяжність території міста із заходу на схід становить 25 км, із півночі на південь – понад 20 км; на 2013 р. загальна площа – 310 км<sup>2</sup>; населення міста – 1452,23 тис. осіб, щільність населення – 5157 осіб/км<sup>2</sup>.

Клімат Харкова – помірно-континентальний, рельєф – хвиляста і широко хвиляста балкова рівнина, розчленована річковими долинами, з переважним нахилом поверхні на південь. По території міста протікають річки Уда, Лопань та Харків (басейн Дону).

### ***Короткий історичний огляд розвитку міста***

Харків – великий промисловий, науковий і культурний центр Харківської області. В історичних актах уперше назва «Харків» зафіксована 23 березня 1656 року, де населений пункт називається новим містом, яке ще будується. Початкове поселення Харкова було зосереджено на гострому піднесеному мисі між річками Лопань і Харків.

Територія Харкова за час його існування збільшувалася нерівномірно. Найбільший ріст припадає на ХІХ ст., коли в 50-ті р. територія міста збільшилася з 85 км<sup>2</sup> до 273,3 км<sup>2</sup>. До початку ХХ ст. площа Харкова становила 306,0 км<sup>2</sup>, а в ХХІ ст. – 310,0 км<sup>2</sup>. З посиленням процесу урбанізації знижувалося природне видове різноманіття, а ступінь синантропізації флори зростає, що призвело до суттєвої трансформації рослинного покриву.

### ***Коротка історія вивчення рослинного покриву м. Харкова***

У вивченні флори Харкова виділяємо чотири основних етапи. Перший етап (1859–1904) характеризується інвентаризацією флори та публікацією перших списків В. М. Черняєва (1859), К. С. Горницького (1873), Л. О. Павловича (1889), П. М. Наливайка (1899), Г. Є. Тимофєєва (1904) та ін. Другий етап (1916–1956) пов'язаний із дослідженнями окремих груп рослин та типів рослинності у межах міста Харкова та його околиць такими

вченими, як В. М. Арнольдї (1916), В. І. Талїєв (1913), Є. М. Лавренко (1925), М. І. Котов (1927, 1930, 1931), М. В. Клоков (1924), О. І. Колесніков (1937), О. Л. Липа (1952), Є. Д. Єрмоленко (1956) та ін. Третій етап (1986–1993) – накопичення відомостей про флористичні знахідки в місті: Ю. М. Прокудїн (1977), М. М. Цвельов (1981, 1982, 1983), Р. І. Бурда і О. А. Рябоконь (1993) та ін. Четвертий етап (1994–2014) – комплексне вивчення урбанofлори Харкова в умовах зростаючого антропогенного пресу вченими Р. І. Бурдою та О. А. Рябоконею (1994, 1995, 1996), К. О. Звягінцевою (2010, 2011, 2012, 2013, 2014, 2015).

### **Матеріали та методи**

Полевї дослідження проводилися у вегетаційний період з 2009 по 2014 рр. у адміністративних межах міста Харкова. В основу роботи покладено дані власних досліджень, літературних оглядів, критичного опрацювання гербарних колекцій Інституту ботаніки ім. М. Г. Холодного НАН України (*KW*), Харківського національного університету імені В. Н. Каразіна (*CWU*), Донецького ботанічного саду НАН України (*DNZ*) та картографічного матеріалу. Використано загальноприйнятї методики флористичного аналізу: систематичний – за А. І. Толмачовим (1962, 1974), біоморфологічний – за К. Раункиєром (1934) та І. Г. Серебряковим (1962), географічний – за Ю. Д. Клеповим (1990), екологічний – за Я. П. Дидухом (2003). Фракційний аналіз урбанofлори здійснено відповідно до класифікації Я. Корнася (1968). Для визначення участі видів різного ступеня гемеробії в урбанofлорі використовувалася класифікація гемеробії за Дж. Яласом (1955). Созологічна характеристика видів подана згідно з «Червоною книгою України. Рослинний світ» (2009) та «Офіційні переліки регіонально рідкісних рослин адміністративних територій України» (2012). Назви видів урбанofлори подано за «Vascular plants of Ukraine: A nomenclatural checklist» (Mosyakin, Fedoronchuk, 1999).

### **Основні результати**

За нашими даними, узагальненими на підставі оригінальних досліджень, критичного опрацювання гербарних колекцій *KW*, *CWU* і *DNZ*, а також літературних джерел, урбанofлора Харкова налічує 1094 видів судинних рослин, що належать до 512 родів та 116 родин. Виявлено два нові для Лівобережного Лісостепу види – *Eragrostis suaveolens* A. Becker ex Claus, *Phragmites altissimus* (Benth.) Nabile.

Синантропна фракція урбанofлори Харкова представлена 629 видами, у т. ч. 284 апофіти та 345 види адвентивних рослин, природня –

465. Видовий склад поповнився 141 видом, у т. ч. 69 – видами адвентивних, 72 – аборигенних рослин, з яких 19 – апофіти, що відобразилося на систематичному спектрі, зокрема підвищенням ролі родин, наприклад, *Chenopodiaceae*, *Fabaceae* типових для синантропних фракції флори і зменшення участі видів в родинях *Cyperaceae* та *Ranunculaceae*, характерних для зональної природної флори. За період, що аналізується, зникло 22 види судинних рослин (наприклад, *Lycopodiella inundata*, *Stratiotes aloides*, *Cicuta virosa*, *Heliotropium ellipticum*, *Juncus filiformis* та ін.).

За систематичною структурою досліджена урбанofлора подібна до регіональної; високі позиції родини *Brassicaceae*, *Fabaceae*, *Lamiaceae* свідчать про посилення рис, характерних для флор Давньо-середземноморської області.

Аналіз географічної структури урбанofлори Харкова показав, що остання має бореально-субсередземноморсько-європейський характер з домішками євразійсько-південносибірських та номадійських геоелементів. Особливістю дослідженої урбанofлори є послаблення участі бореального геоелементу флори за рахунок зростання ролі неморального.

У результаті дослідження екологічної структури урбанofлори Харкова виявлено домінування світлолюбивих видів мезофільної групи із субсередземноморської термозони.

Встановлено, що в урбанofлорі Харкова 67 видів є рідкісними, з них 17 видів занесено до Червоної книги України, 9 видів знаходяться під охороною Конвенції CITES, 4 види – Бернської конвенції, 37 видів – регіонально рідкісні.

### **Подяка**

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## AN ANNOTATED CHECKLIST OF THE URBAN FLORA OF KHARKIV

The summary is composed according to the uniform scheme that includes the name of a family, names of its species listed alphabetically, the basic synonyms, the origin relative to the regional flora (native or adventive), biomorph, hydromorph, natural habitat, the degree of hemeroby, the connection with city zones, the status of protection, location in the herbarium, and for adventive species – chronoelement, the degree of naturalization and the way of introduction. The species that have vanished from the territory of the city are marked with '\*'.

### \*Lycopodiophyta

#### Lycopodiaceae

\**Lycopodiella inundata* (L.) Holub (*Lycopodium inundatum* L.)  
Chamaephyte, hygrophyte, Pal, CWU (Lavrenko, 1918).

### Equisetophyta

#### Equisetaceae

1. *Equisetum arvense* L.

Geophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

2. *Equisetum fluviatile* L. (*Equisetum heleocharis* Ehrh., *Equisetum limosum* L.)  
Hydrophyte, semihygrophyte, BOREAL, suburban zone, olygohemerob.

3. *Equisetum hyemale* L. (*Hippochaete hyemalis* (L.) Bruhin.)

Chamaephyte, mesophyte, BOREAL, suburban zone, olygo-, mesohemerob, RR, CWU: s.n.

4. *Equisetum pratense* Ehrh.

Geophyte, semihygrophyte, BOREAL, suburban zone, olygo-, mesohemerob, RR, CWU: s.n.

5. *Equisetum palustre* L.

Geophyte, semihygrophyte, EUR, suburban zone, olygo-, mesohemerob.

6. *Equisetum ramosissimum* Desf. (*Hippochaete ramosissima* (Desf.) Börner.)

Geophyte, mesophyte, EURAS, suburban zone, mesohemerob, RR, KW: № 00105910.

## Polypodiophyta

### Athyriaceae

7. *Athyrium filix-femina* (L.) Roth

Hemicryptophyte, mesophyte, HARCT, hemiapophyte, suburban zone, olygo-, meso-, euhemerob, RR, CWU: s.n.

8. *Cystopteris fragilis* (L.) Bernh.

Hemicryptophyte, mesophyte, HARCT, suburban zone, mesohemerob, CWU: s.n.

### Dryopteridaceae

9. *Dryopteris filix-mas* (L.) Schott.

Hemicryptophyte, mesophyte, HARCT, hemiapophyte, urban & suburban zones, meso-, euhemerob, RR, CWU: s.n.

10. *Dryopteris carthusiana* (Vill.) H.P. Fuchs.

Hemicryptophyte, mesophyte, BOREAL, suburban zone, olygohemerob.

### Dennstaedtiaceae

11. *Pteridium aquilinum* (L.) Kuhn

(sensu lato, incl. *P. pinetorum* C.N. Page & R.R. Mill)

Geophyte, mesophyte, HARCT, suburban zone, olygo-, mesohemerob, CWU: s.n.

### Ophioglossaceae (incl. Botrychiaceae)

12. *Botrychium lunaria* (L.) Sw.

Geophyte, mesophyte, HARCT, suburban zone, olygo-, mesohemerob, RR, RDBU, CWU: s.n.

13. *Ophioglossum vulgatum* L.

Geophyte, mesophyte, HARCT, suburban zone, olygo-, mesohemerob, RR.

### Salviniaceae

14. *Salvinia natans* (L.) All.

Hydrophyte, hydrophyte, EURAS, suburban zone, olygohemerob, RDBU.

### Thelypteridaceae

15. *Thelypteris palustris* Schott.

Geophyte, mesophyte, BOREAL, suburban zone, olygo-, mesohemerob, RR, CWU: s.n.

## Pinophyta

### Cupressaceae

16. *Juniperus sabina* L.

Phanerophyte, submesophyte, EUR, hemiapophyte, urban zone, olygo-, mesohemerob, CWU: s.n.

### Pinaceae

17. *Larix decidua* Mill.

Phanerophyte, mesophyte, BOREAL, hemiapophyte, suburban zone, olygo-, mesohemerob, CWU: s.n.

18. *Picea abies* (L.) Karst.

Phanerophyte, hygromesophyte, BOREAL, hemiapophyte, suburban zone, olygo-, mesohemerob, CWU: s.n.

19. *Picea pungens* Engelm.

Phanerophyte, hygromesophyte, BOREAL, hemiapophyte, suburban zone, olygo-, mesohemerob, CWU: s.n.

20. *Pinus sylvestris* L.

Phanerophyte, hygromesophyte, BOREAL, hemiapophyte, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

## Magnoliophyta

### Liliopsida

#### Alismataceae

21. *Alisma plantago-aquatica* L.

Geophyte, hygromesophyte, HARCT, occasional apophyte, urban & suburban zones, olygo-, mesohemerob, KW: № 00105865.

22. *Sagittaria sagittifolia* L.

Hydrophyte, hydrophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

#### Alliaceae

23. *Allium oleraceum* L.

Geophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, mesohemerob.

24. *Allium ursinum* L.

Geophyte, mesophyte, EUR, suburban zones, olygohemerob, RDBU.

25. *Allium sphaerocephalon* L.

Geophyte, mesophyte, SUBMED, suburban zones, mesohemerob, CWU: s.n.

26. *Allium flavescens* Besser

Geophyte, subxerophyte, EUR, suburban zones, olygohemerob, RR.

27. *Allium rotundum* L.

Geophyte, submesophyte, SUBMED, suburban zones, olygohemerob, CWU: s.n.

### Araceae

28. *Acorus calamus* L.

Geophyte, mesophyte, EURAS, archaeophyte, akolutophyte, agriophyte, suburban zones, olygohemerob.

29. *Pistia stratiotes* L.

Hydrophyte, kenophyte, ergasiophyte, ergasiophyte, urban zones, mesohemerob, KW: № 00113340, 00113358.

### Asparagaceae

30. *Asparagus officinalis* L.

Geophyte, submesophyte, NOM, urban & suburban zones, olygo-, mesohemerob, KW: № 00102584.

### Asphodelaceae

31. *Anthericum ramosum* L.

Geophyte, submesophyte, EUR, suburban zones, olygohemerob.

### Butomaceae

32. *Butomus umbellatus* L.

Geophyte, hygromesophyte, EURAS, urban & suburban zones, olygohemerob, CWU: s.n.

### Convallariaceae

33. *Convallaria majalis* L.

Geophyte, submesophyte, EUR, urban zones, olygo-, mesohemerob, CWU: s.n.

34. *Polygonatum odoratum* (Mill.) Druce

Geophyte, submesophyte, EUR-WSIB, urban zones, olygohemerob, CWU: s.n.

35. *Polygonatum multiflorum* (L.) All.

Geophyte, mesophyte, EUR, urban zones, olygohemerob.

### Cyperaceae

36. *Bolboschoenus maritimus* (L.) Pall. (*Scirpus maritimus* L.)

Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob, KW: № 00107551.

37. *Carex acuta* L.

Hemicryptophyte, subxerophyte, EUR-WSIB, suburban zones, olygohemerob, CWU: s.n.

38. *Carex appropinquata* Schum.

Hemicryptophyte, subxerophyte, WEUR, suburban zones, olygohemerob, CWU: s.n.

39. *Carex buekii* Wimm.

Hemicryptophyte, subxerophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

40. *Carex digitata* L.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

41. *Carex distans* L.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

42. *Carex disticha* Huds.

Hemicryptophyte, xerophytes, EUR-WSIB, suburban zones, olygohemerob, CWU: s.n.

\**Carex elata* All. (*Carex stricta* Gooden.)

Hemicryptophyte, subxerophyte, Pal, CWU (Lavrenko, 1917; Zoz, 1975).

43. *Carex elongata* L.

Hemicryptophyte, subxerophyte, EUR-WSIB, suburban zones, olygohemerob.

44. *Carex ericetorum* Pollich.

Hemicryptophyte, submesophyte, EUR-WSIB, suburban zones, olygohemerob.

45. *Carex hartmanii* Cajander.

Hemicryptophyte, subxerophyte, WEUR, suburban zones, olygohemerob, CWU: s.n.

46. *Carex hirta* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, mesohemerob, KW: № 00113375.

47. *Carex humilis* Leyss.

Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob, RR, CWU: s.n.

48. *Carex nigra* (L.) Reichard.

Hemicryptophyte, subxerophyte, EUR, urban zones, olygo-, mesohemerob, CWU: s.n.

49. *Carex melanostachya* M. Bieb. ex Willd.

Hemicryptophyte, subxerophyte, NOM, suburban zones, olygohemerob, KW: № 00113377.

50. *Carex michelii* Host

Hemicryptophyte, submesophyte, MED, suburban zones, olygohemerob.

51. *Carex ovalis* Gooden.

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, urban & suburban zones, olygo-, mesohemerob.



52. *Carex pallescens* L.  
Hemicryptophyte, subxerophyte, BOREAL, suburban zones, olygohemerob.
53. *Carex pilosa* Scop.  
Hemicryptophyte, mesophyte, EEUR, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.
54. *Carex praecox* Schreb.  
Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, mesohemerob, KW: № 00106502, 00113379, 00113378, 00113376.
55. *Carex riparia* Curtis  
Hemicryptophyte, subxerophyte, EURAS, suburban zones, olygohemerob, CWU: s.n.
56. *Carex vesicaria* L.  
Hemicryptophyte, subxerophyte, HARCT, suburban zones, olygohemerob.
57. *Carex vulpina* L.  
Hemicryptophyte, subxerophyte, EURAS, urban & suburban zones, olygo-, mesohemerob, KW: № 00112055.
58. *Cyperus fuscus* L.  
Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob, KW: № 00113343.
59. *Eleocharis ovata* (Roth) Roem. ex Schult.  
Hemicryptophyte, submesophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.
60. *Eleocharis palustris* (L.) Roem. ex Schult.  
Hemicryptophyte, hygromesophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.
61. *Juncellus serotinus* (Rottb.) Clarke. (*Cyperus serotinus* Rottb.)  
Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, mesohemerob.
62. *Scirpoides holoschoenus* (L.) Soják (*Scirpus holoschoenus* L.)  
Hemicryptophyte, mesophyte, WEUR, suburban zones, olygohemerob, KW: № 00106576, 00106577.
63. *Scirpus sylvaticus* L.  
Hemicryptophyte, hygromesophyte, BOREAL, suburban zones, olygohemerob, CWU: s.n.
64. *Schoenoplectus lacustris* (L.) Palla (*Scirpus lacustris* L.)  
Hemicryptophyte, hygromesophyte, EUR-SSIB, suburban zones, olygohemerob, CWU: s.n.
65. *Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla  
(*Scirpus tabernaemontani* C.C.Gmel)  
Hemicryptophyte, hygromesophyte, EURAS, suburban zones, olygohemerob, CWU: s.n.

### Hyacinthaceae

66. *Scilla sibirica* Haw. (*Scilla sibirica* Haw.)

Geophyte, submesophyte, MED, suburban zones, olygohemerob, CWU: s.n.

67. *Muscari neglectum* Guss. ex Ten.

Geophyte, mesophyte, MED, suburban zones, olygohemerob, RR, CWU: s.n.

### Hydrocharitaceae

68. *Elodea canadensis* Michx.

Hydrophyte, hydrophyte, NAM, kenophyte, agriophyte, xenophyte, urban zones, mesohemerob, CWU: s.n.

69. *Hydrocharis morsus-ranae* L.

Helophyte, hydrophyte, EUR-WSIB, suburban zones, olygohemerob, CWU: s.n.

\**Stratiotes aloides* L.

Helophyte, hydrophyte, Hd, Nalyvaiko (1898).

### Iridaceae

70. *Gladiolus imbricatus* L.

Geophyte, hygromesophyte, EUR, occasional apophyte, suburban zones, olygohemerob, RR, RDBU, CWU: s.n.

71. *Iris pseudacorus* L.

Geophyte, hygromesophyte, EUR-WSIB, urban zones, olygohemerob, CWU: s.n.

72. *Iris pumila* L.

Geophyte, subxerophyte, EUR, suburban zones, olygohemerob, RR, CWU: s.n.

73. *Iris hungarica* Waldst. ex Kit.

Geophyte, submesophyte, EUR, suburban zones, olygohemerob, RR, CWU: s.n.

### Juncaceae

74. *Juncus alpinoarticulatus* Chaix ex Vill.

Hemicryptophyte, subxerophyte, HARCT, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

75. *Juncus ambiguus* Guss.

Therophyte, subxerophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

76. *Juncus articulatus* L.

Hemicryptophyte, subxerophyte, EURAS, urban & suburban zones, olygo-, mesohemerob, KW: № 00106507, 00107582.

77. *Juncus bufonius* L.

Therophyte, subxerophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

78. *Juncus compressus* Jacq.

Hemicryptophyte, submesophyte, EURAS, urban & suburban zones, olygo-, mesohemerob, KW: № 00106506, 00107583, 00107584.

79. *Juncus effusus* L.

Hemicryptophyte, subxerophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

\**Juncus filiformis* L.

Hemicryptophyte, submesophyte, Pal, CWU (Tzvelev, 1952).

80. *Juncus gerardii* Loisel.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob, KW: № 00113342.

81. *Juncus inflexus* L.

Hemicryptophyte, subxerophyte, EURAS, suburban zones, olygohemerob, CWU: s.n.

82. *Juncus tenuis* Willd.

Hemicryptophyte, mesophyte, NAM, kenophyte, agriophyte, xenophyte, urban & suburban zones, mesohemerob, CWU: s.n.

83. *Luzula campestris* (L.) DC.

Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob, CWU: s.n.

84. *Luzula divulgata* Kirschner

Hemicryptophyte, mesophyte, HARCT, suburban zones, olygohemerob.

85. *Luzula multiflora* (Ehrh.) Lej.

Hemicryptophyte, mesophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

86. *Luzula pilosa* (L.) Willd.

Hemicryptophyte, submesophyte, EUR, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

87. *Luzula sylvatica* (Huds.) Gaudin

Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob.

### Juncaginaceae

88. *Triglochin maritimum* L.

Geophyte, hygromesophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

89. *Triglochin palustre* L.

Geophyte, hygromesophyte, HARCT, urban & suburban zones, mesohemerob, CWU: s.n.

### Lemnaceae

90. *Lemna gibba* L.

Hydrophyte, hydrophyte, EURAS, urban & suburban zones, mesohemerob, CWU: s.n.

91. *Lemna minor* L.

Hydrophyte, hydrophyte, WEUR-AS, urban & suburban zones, mesohemerob, KW: № 00113344.

92. *Lemna trisulca* L.

Hydrophyte, hydrophyte, WEUR-AS, urban & suburban zones, mesohemerob, CWU: s.n.

93. *Spirodela polyrrhiza* (L.) Schleid. (*Lemna polyrrhiza* L.)

Hydrophyte, hydrophyte, HARCT, urban & suburban zones, mesohemerob, CWU: s.n.

### Liliaceae

94. *Fritillaria ruthenica* Wikst.

Geophyte, mesophyte, EUR, suburban zones, olygohemerob.

95. *Gagea erubescens* (Besser) Schult. ex Schult.f.

Geophyte, mesophyte, EUR, suburban zones, olygohemerob.

96. *Gagea minima* (L.) Ker Gawl.

Geophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, mesohemerob, CWU: s.n.

97. *Gagea pusilla* (F.W. Schmidt.) Schult. ex Schult.

Geophyte, submesophyte, NOM, occasional apophyte, urban & suburban zones, mesohemerob, CWU: s.n.

98. *Gagea ucrainica* Klokov

Geophyte, mesophyte, EUR, urban & suburban zones, mesohemerob, CWU: s.n.

99. *Tulipa quercetorum* Klokov ex Zoz

Geophyte, subxerophyte, EEUR, suburban zones, olygohemerob, RR, CWU: s.n.

### Najadaceae

100. *Najas marina* L. (*Najas major* All.)

Geophyte, hydrophyte, WEUR, suburban zones, olygohemerob.

### Orchidiaceae

101. *Anacamptis coriophora* (L.) R.M. Bateman, Pridgeon & M.W. Chase  
(*Orchis coriophora* L.)

Geophyte, mesophyte, SUBMED, suburban zones, olygohemerob, RDBU, CWU: s.n.

102. *Anacamptis palustris* (Jacq.) R.M. Bateman, Pridgeon & M.W. Chase  
(*Orchis palustris* Jacq.)

Geophyte, submesophyte, EUR, suburban zones, olygohemerob, RDBU, CWU: s.n.

103. *Dactylorhiza incarnata* (L.) Soó (*Orchis incarnata* L.)

Geophyte, hygromesophyte, WEUR, suburban zones, olygohemerob, RDBU, CWU: s.n.

104. *Dactylorhiza maculata* (L.) Soó (*Orchis maculata* L.)

Geophyte, mesophyte, BOREAL, suburban zones, olygohemerob, RDBU, CWU: s.n.

105. *Epipactis helleborine* (L.) Crantz

Geophyte, mesophyte, EUR, suburban zones, olygohemerob, RDBU, CWU: s.n.

106. *Epipactis palustris* (L.) Grantz

Geophyte, hygromesophyte, EURAS, suburban zones, olygohemerob, RDBU, CWU: s.n.

107. *Orchis militaris* L.

Geophyte, mesophyte, EUR-SSIB, suburban zones, olygohemerob, RDBU, CWU: s.n.

108. *Orchis purpurea* Huds.

Geophyte, hygromesophyte, EUR, suburban zones, olygohemerob, RDBU, CWU: s.n.

### Poaceae

109. *Aegilops cylindrica* Host

Therophyte, subxerophyte, SUBMED, occasional apophyte, suburban zones, olygohemerob, RR.

\**Agropyron dasyanthum* Ledeb.

Hemicryptophyte, submesophyte, psammophyte, KW (Karnaush, 1925; Reztsova, 1935).

110. *Agropyron pectinatum* (M.M. Bieb.) P. Beauv.

Hemicryptophyte, mesophyte, EURAS, archaeophyte, akolutophyte, epocophyte, urban & suburban zones, mesohemerob, KW: № 00113333.

111. *Agrostis canina* L.

Hemicryptophyte, submesophyte, BOREAL, urban & suburban zones, mesohemerob, CWU: s.n.

112. *Agrostis capillaris* L. (*Agrostis tenuis* Sibth.)

Hemicryptophyte, mesophyte, BOREAL, urban & suburban zones, mesohemerob, CWU: s.n.

113. *Agrostis gigantea* Roth

Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zones, olygohemerob, CWU: s.n.

114. *Agrostis stolonifera* L.

Hemicryptophyte, submesophyte, WEUR, suburban zones, olygohemerob, CWU: s.n.

115. *Agrostis vinealis* Schreb.

Hemicryptophyte, mesophyte, NOM, suburban zones, olygohemerob.

116. *Alopecurus arundinaceus* Poir.

Hemicryptophyte, subxerophyte, EUR-SIB, suburban zones, olygohemerob, CWU: s.n.

117. *Alopecurus geniculatus* L.

Therophyte, subxerophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

118. *Alopecurus myosuroides* Huds.

Hemicryptophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, suburban zones, mesohemerob, CWU: s.n.

119. *Alopecurus pratensis* L.

Hemicryptophyte, mesophyte, EUR-SIB, suburban zones, mesohemerob, KW: № 00113402.

120. *Anisantha tectorum* (L.) Nevski (*Bromus tectorum* L.)

Therophyte, mesophyte, MED-CAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 001133409.

121. *Anthoxanthum odoratum* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zones, olygohemerob, RR, CWU: s.n.

122. *Apera spica-venti* (L.) P. Beauv. (*Agrostis spica-venti* L.)

Therophyte, mesophyte, EMED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

123. *Arrhenatherum elatius* (L.) J. Presl ex C. Presl

Hemicryptophyte, mesophyte, WEUR, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

124. *Avena fatua* L.

Therophyte, mesophyte, MED, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

125. *Beckmannia eruciformis* (L.) Host

Hemicryptophyte, submesophyte, WEUR, suburban zones, olygohemerob.

126. *Brachypodium pinnatum* (L.) P. Beauv. (*Bromus pinnatus* L.)

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zones, olygohemerob.

127. *Brachypodium sylvaticum* (Huds.) P. Beauv.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygo-, mesohemerob, CWU: s.n.

128. *Briza media* L.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob.

129. *Bromopsis erecta* (Huds.) Fourr. (*Bromus erectus* Huds.)

Hemicryptophyte, mesophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

130. *Bromopsis inermis* (Leys.) Holub. (*Bromus inermis* Leyss.)

Hemicryptophyte, mesophyte, EURAS, occasional apophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106532, 00106543, 00106544, 00113421.

131. *Bromopsis riparia* (Rehmann) Holub. (*Bromus riparius* Rehmann)

Hemicryptophyte, submesophyte, WNOM, suburban zones, olygohemerob, KW: № 00106541, 00106542.

132. *Bromus arvensis* L.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

133. *Bromus commutatus* Schrad.

Therophyte, mesophyte, MED, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

134. *Bromus hordeaceus* L. (*Bromus mollis* L.)

Therophyte, mesophyte, WEUR, euapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106549.

135. *Bromus japonicus* Thunb.

Therophyte, subxerophyte, EUR-SSIB, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

136. *Bromus secalinus* L.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob.

137. *Bromus squarrosus* L.

Therophyte, mesophyte, MED-CAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

138. *Calamagrostis arundinacea* (L.) Roth (*Calamagrosti arundinacea* (L.) Roth)

Hemicryptophyte, mesophyte, BOREAL, suburban zones, olygohemerob, CWU: s.n.

139. *Calamagrostis epigeios* (L.) Roth

Hemicryptophyte, mesophyte, EURAS, suburban zones, olygo-, mesohemerob, KW: № 00106538, 00106539.

140. *Catabrosa aquatic* (L.) P. Beauv. (*Glyceria aquatic* (L.) J. Presl ex C. Presl)

Hemicryptophyte, subhydrophyte, EUR-SSIB, suburban zones, mesohemerob, CWU: s.n.

141. *Cenchrus longispinus* (Hack.) Fernald.

Therophyte, submesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban zones, meso-, euhemerob, KW: № 00105885.

142. *Crypsis aculeata* (L.) Aiton

Therophyte, submesophyte, EURAS, urban & suburban zones, mesohemerob.

143. *Crypsis schoenoides* (L.) Lam.

Therophyte, mesophyte, WEUR, urban & suburban zones, mesohemerob.

144. *Cynodon dactylon* (L.) Pers.

Hemicryptophyte, subxerophyte, MED-CAS, kenophyte, xenophyte, colonophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

145. *Dactylis glomerata* L.

Hemicryptophyte, mesophyte, WEUR-AS, euapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113410, 00113411, 00113412.

146. *Deschampsia cespitosa* (L.) P. Beauv.

Hemicryptophyte, subxerophyte, HARCT, suburban zones, olygohemerob.

147. *Digitaria aegyptiaca* (Retz.) Willd.

Therophyte, mesophyte, AS, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106535, 00106534, 00106556.

148. *Digitaria ischaemum* (Schreb.) Muehl.

Therophyte, mesophyte, MED, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113332.

149. *Digitaria sanguinalis* (L.) Scop.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

150. *Echinochloa crusgalli* (L.) P. Beauv.

Therophyte, mesophyte, AS, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106533, 00106537, 00106554, 00106561, 00106566, 00107585.

151. *Echinochloa tzvelevii* Mosyakin ex Mavrodiev & H. Scholz (*Echinochloa crusgalli* (L.) P. Beauv. subsp. *tzvelevii* Mosyakin, ined.)

Therophyte, mesophyte, AS, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00107546.

152. *Elymus caninus* (L.) L. (*Roegneria canina* (L.) Nevski)

Hemicryptophyte, submesophyte, BOREAL, suburban zones, oligohemerob, CWU: s.n.

153. *Elytrigia intermedia* (Host) Nevski

Hemicryptophyte, subxerophyte, WNOM, suburban zones, oligohemerob, KW: № 00106546.

154. *Elytrigia* × *mucronata* (Opiz) Prokud. (*Elytrigia intermedia* × *Elytrigia repens*)

Hemicryptophyte, mesophyte, EURAS, suburban zones, meso-, euhemerob.

155. *Elytrigia repens* (L.) Nevski (*Agropyron repens* (L.) P. Beauv.)

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113406.

156. *Eragrostis minor* Host

Therophyte, mesophyte, MED, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106499, 00106536, 00106537, 00106559.

157. *Eragrostis pilosa* (L.) P. Beauv.

Therophyte, mesophyte, AS, kenophyte, akolutophyte, ephemerophyte, urban zones, meso-, euhemerob, CWU: s.n.

158. *Eragrostis suaveolens* A. Becker ex Claus

Therophyte, mesophyte, MED, kenophyte, akolutophyte, xenophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: № 0051585, KW: № 001133400.

159. *Eremopyrum orientale* (L.) Jaub. ex Spach

Therophyte, xerophyte, IT, kenophyte, xenophyte, ephemerophyte, urban & suburban zones, meso-, euhemerob.

160. *Festuca beckeri* (Hack.) Trautv.

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zones, oligohemerob, CWU: s.n.



161. *Festuca gigantea* (L.) Vill.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

162. *Festuca polesica* Zapal.

Hemicryptophyte, subxerophyte, EUR, suburban zones, olygohemerob.

163. *Festuca pratensis* Huds.

Hemicryptophyte, subxerophyte, WEUR, suburban zones, olygohemerob, CWU: s.n.

164. *Festuca pseudovina* Hack. ex Wiesb.

Hemicryptophyte, subxerophyte, NOM, suburban zones, olygohemerob.

165. *Festuca regeliana* Pavl.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob.

166. *Festuca rubra* L.

Hemicryptophyte, submesophyte, HARCT, suburban zones, olygohemerob.

167. *Festuca valesiaca* Gaudin.

Hemicryptophyte, subxerophyte, WNOM, suburban zones, olygohemerob, CWU: s.n.

168. *Glyceria arundinacea* Kunth.

Hemicryptophyte, hydrophyte, WEUR, suburban zones, olygohemerob, KW: № 00106547.

169. *Glyceria fluitans* (L.) R. Br.

Hemicryptophyte, subxerophyte, WEUR, suburban zones, olygohemerob, CWU: s.n.

170. *Glyceria maxima* (C. Hartm.) Holmb. (*Glyceria aquatica* (L.) Wahlenb.)

Hemicryptophyte, subxerophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

171. *Helictotrichon pubescens* (Huds.) Pilg.

Hemicryptophyte, submesophyte, EEUR-SIB, suburban zones, mesohemerob.

172. *Hierochloë odorata* (L.) P. Beauv.

Hemicryptophyte, submesophyte, HARCT, occasional apophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

173. *Hordeum distichon* L.

Hemicryptophyte, mesophyte, IT, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106553.

174. *Hordeum geniculatum* All.

Hemicryptophyte, xerophyte, MED, occasional apophyte, suburban zones, meso-, euhemerob.

175. *Hordeum leporinum* Link

Hemicryptophyte, mesophyte, MED, kenophyte, akolutophyte, epoecophyte, urban zones, meso-, euhemerob, CWU: s.n.

176. *Hordeum murinum* L.

Hemicryptophyte, mesophyte, MED-CAS, archaeophyte, akolutophyte, epoecophyte, urban zones, meso-, euhemerob, KW: № 00113396.

177. *Hordeum vulgare* L.

Therophyte, submesophyte, IT, kenophyte, akolutophyte, ergasiophyte, urban zones, meso-, euhemerob, CWU: s.n.

178. *Koeleria cristata* (L.) Pers.

Hemicryptophyte, submesophyte, HARCT, suburban zones, mesohemerob, CWU: s.n.

179. *Koeleria delavignei* Czern. ex Domin

Hemicryptophyte, mesophyte, EUR, suburban zones, oligohemerob.

180. *Koeleria sabuletorum* (Domin) Klokov

Hemicryptophyte, submesophyte, EURAS, suburban zones, oligohemerob.

181. *Leersia oryzoides* (L.) Sw.

Hemicryptophyte, subhydrophyte, EUR, suburban zones, oligohemerob, KW: № 00113354.

182. *Leymus racemosus* (Lam.) Tzvelev (*Elymus racemosus* Lam.)

Hemicryptophyte, subxerophyte, EURAS, suburban zones, mesohemerob, CWU: s.n.

183. *Leymus ramosus* (Trin.) Tzvelev

Hemicryptophyte, subxerophyte, EURAS, euapophyte, suburban zones, oligohemerob.

184. *Lolium multiflorum* Lam.

Hemicryptophyte, mesophyte, MED-CAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

185. *Lolium perenne* L.

Hemicryptophyte, mesophyte, HARCT, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106545.

186. *Melica altissima* L.

Hemicryptophyte, mesophyte, NOM, suburban zones, oligohemerob, KW: № 00106570.

187. *Melica ciliata* L. (*Melica glauca* F. Schultz.)

Hemicryptophyte, subxerophyte, NOM, suburban zones, oligohemerob.

188. *Melica nutans* L.

Hemicryptophyte, mesophyte, BOREAL, suburban zones, oligohemerob, CWU: s.n.

189. *Melica picta* K. Koch.

Hemicryptophyte, mesophyte, SUBMED, suburban zones, oligohemerob.

190. *Melica transsilvanica* Schur

Hemicryptophyte, submesophyte, NOM, suburban zones, oligohemerob, CWU: s.n.

191. *Millium effusum* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zones, oligohemerob, CWU: s.n.

192. *Molinia caerulea* (L.) Moench

Hemicryptophyte, submesophyte, EUR, suburban zones, oligohemerob.

193. *Nardus stricta* L.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob.

194. *Panicum capillare* L.

Therophyte, mesophyte, NAM, kenophyte, xenophyte, ephemerophyte, urban zones, mesohemerob, KW: № 00106531.

195. *Panicum miliaceum* L.

Therophyte, mesophyte, EAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, KW: № 00106530.

196. *Phalaroides arundinacea* (L.) Rausch. (*Phalaris canariensis* L.)

Hemicryptophyte, submesophyte, HARCT, suburban zones, olygo-, mesohemerob, KW: № 00106548.

197. *Phleum pratense* L.

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, meso-, euhemerob, CWU: s.n.

198. *Phragmites australis* (Cav.) Trin. ex Steud. (*Phragmites communis* Trin.)

Hemicryptophyte, hygrophyte, HARCT, suburban zone, olygo-, mesohemerob, KW: № 00106522.

199. *Phragmites altissimus* (Benth.) Nabile

Hemicryptophyte, hygrophyte, MED, urban zone, kenophyte, colonophyte, xenophyte, mesohemerob, KW: № 00113357, 00113356, 00113355.

200. *Poa angustifolia* L.

Hemicryptophyte, submesophyte, EURAS, occasional apophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

201. *Poa annua* L.

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, euhemerob, KW: №00113407.

202. *Poa bulbosa* L.

Hemicryptophyte, subxerophyte, WEUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

203. *Poa compressa* L.

Hemicryptophyte, mesophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113408.

204. *Poa nemoralis* L.

Hemicryptophyte, submesophyte, HARCT, suburban zones, olygohemerob, KW: № 00106555.

205. *Poa palustris* L.

Hemicryptophyte, hygromesophyte, HARCT, suburban zones, olygohemerob, KW: № 00106560, 00106550.

206. *Poa pratensis* L.

Hemicryptophyte, submesophyte, HARCT, suburban zones, mesohemerob, CWU: s.n.

\**Poa sylvicola* Guss.

Hemicryptophyte, submesophyte, Syl-Pal, KW (Pojarikova, 1961).

207. *Poa trivialis* L.

Hemicryptophyte, submesophyte, HARCT, suburban zones, olygohemerob.

208. *Puccinellia distans* (Jacq.) Parl.

Hemicryptophyte, submesophyte, WEUR, urban & suburban zones, meso-, euhemerob.

209. *Sclerochloa dura* (L.) P. Beauv.

Therophyte, mesophyte, MED-CAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

210. *Secale cereale* L.

Therophyte, mesophyte, EURAS, archaeophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

211. *Setaria glauca* (L.) P. Beauv.

Therophyte, mesophyte, SEUR-AS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106558, 00106562, 00106563.

212. *Setaria italica* (L.) P. Beauv.

Therophyte, mesophyte, EAS, kenophyte, ergasiophyte, ephemerophyte, urban zones, meso-, eu-, polyhemerob.

213. *Setaria verticillata* (L.) P. Beauv.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00106557.

214. *Setaria verticilliformis* Dumort.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, ephemerophyte, urban zones, meso-, eu-, polyhemerob, KW: № 00106557.

215. *Setaria viridis* (L.) P. Beauv.

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105907, 00106540, 00106564, 00106565.

216. *Sieglingia decumbens* (L.) Bernh.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

217. *Sorghum cernuum* (Ard.) Host

Therophyte, xerophyte, SAS, kenophyte, colonophyte, ergasiophyte, suburban zones, mesohemerob, CWU: s.n.

218. *Stipa capillata* L.

Hemicryptophyte, subxerophyte, EURAS, suburban zones, olygohemerob, RDBU, CWU: s.n.

219. *Stipa lessingiana* Trin. ex Rupr.

Hemicryptophyte, subxerophyte, EURAS, suburban zones, olygohemerob, RDBU, KW: № 00113338.

220. *Tragus racemosus* (L.) All.

Therophyte, submesophyte, MED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob.

221. *Trisetum sibiricum* Rupr.

Hemicryptophyte, submesophyte, EEUR, suburban zones, olygohemerob.

222. *Triticum aestivum* L.

Therophyte, submesophyte, IT, kenophyte, ephemero-phyte, ergasiophyte, urban zones, mesohemerob, KW: № 00106551.

223. *Zea mays* L.

Therophyte, submesophyte, CAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob, KW: № 00107557, 00107558.

### Potamogetonaceae

224. *Potamogeton crispus* L.

Geophyte, hydrophyte, WEUR-AS, urban & suburban zones, olygohemerob.

225. *Potamogeton lucens* L.

Geophyte, hydrophyte, WEUR-AS, suburban zones, olygohemerob, KW: № 00113347.

226. *Potamogeton natans* L.

Geophyte, hydrophyte, HARCT, suburban zones, olygohemerob.

227. *Potamogeton perfoliatus* L.

Geophyte, hydrophyte, SUBMED, suburban zones, olygohemerob.

228. *Stuckenia pectinata* (L.) Börner. (*Potamogeton pectinatus* L.)

Geophyte, hydrophyte, HARCT, suburban zones, olygohemerob, CWU: s.n.

### Sparganiaceae

229. *Sparganium angustifolium* Michx.

Geophyte, hydrophyte, WEUR, suburban zones, olygohemerob.

230. *Sparganium erectum* L.

Geophyte, hydrophyte, EUR-SSIB, urban & suburban zones, olygohemerob, CWU: s.n.

231. *Sparganium minimum* Wallz.

Geophyte, hydrophyte, HARCT, suburban zones, olygohemerob, RR.

### Typhaceae

232. *Typha angustifolia* L.

Geophyte, hygromesophyte, WEUR, suburban zones, olygo-, mesohemerob, CWU: s.n.

233. *Typha latifolia* L.

Geophyte, hygromesophyte, EURAS, suburban zones, olygo-, mesohemerob, CWU: s.n.

234. *Typha laxmannii* Lepech.

Geophyte, hygromesophyte, MED-CAS, kenophyte, xenophyte, colonophyte, suburban zones, olygo-, mesohemerob, RR, CWU: s.n.

## Zannichelliaceae

235. *Zannichellia palustris* L.

Hydrophyte, hydrophyte, HARCT, suburban zones, olygohemerob.

## Magnoliopsida

### Aceraceae

236. *Acer campestre* L.

Phanerophyte, mesophyte, EUR, urban & suburban zones, meso-, euhemerob, CWU: s.n.

237. *Acer negundo* L.

Phanerophyte, mesophyte, NAM, kenophyte, agriophyte, ergasiophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

238. *Acer platanoides* L.

Phanerophyte, mesophyte, EUR, urban & suburban zones, meso-, euhemerob, CWU: s.n.

239. *Acer pseudoplatanus* L.

Phanerophyte, mesophyte, EUR, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

240. *Acer saccharinum* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zone, meso-, euhemerob, CWU: s.n.

241. *Acer tataricum* L.

Phanerophyte, xeromesophyte, WEUR-AS, urban & suburban zones, mesohemerob, CWU: s.n.

### Amaranthaceae

242. *Amaranthus albus* L.

Therophyte, subxerophyte, NAM, kenophyte, akolutophyte, epoecophyte, urban zones, meso-, euhemerob, KW: № 00113418, 00113405.

243. *Amaranthus blitoides* S. Watson

Therophyte, subxerophyte, NAM, kenophyte, akolutophyte, epoecophyte, urban zones, meso-, euhemerob, CWU: s.n.

244. *Amaranthus blitum* L. (*Amaranthus lividus* L.)

Therophyte, mesophyte, NAM, kenophyte, akolutophyte, epoecophyte, urban zones, meso-, euhemerob, CWU: s.n.

245. *Amaranthus cruentus* L. (*Amaranthus paniculatus* L.)

Therophyte, mesophyte, SAM, kenophyte, akolutophyte, ergasiophyte, urban zones, meso-, euhemerob, KW: № 00107600, 00107601, 00113331.

246. *Amaranthus deflexus* L.

Therophyte, mesophyte, SAM, kenophyte, akolutophyte, ergasiophyte, urban zones, meso-, euhemerob, CWU: s.n.

247. *Amaranthus hypochondriacus* L. (*Amaranthus leucocarpus* S. Watson)  
Therophyte, submesophyte, SAM, kenophyte, ephemerophyte, ergasiophyte,  
urban zones, meso-, eu-, polyhemerob, KW: № 00107602.

248. *Amaranthus retroflexus* L.

Therophyte, mesophyte, NAM, kenophyte, akolutophyte, epoecophyte,  
urban zones, meso-, euhemerob, KW: № 00107603, 00107620.

### Anacardiaceae

249. *Cotinus coggygria* Scop.

Phanerophyte, mesophyte, SUBMED, kenophyte, ergasiophyte, ergasiophyte,  
suburban zones, oligo-, mesohemerob.

250. *Rhus typhina* L.

Phanerophyte, submesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte,  
urban zones, mesohemerob, CWU: s.n.

### Apiaceae

251. *Aegopodium podagraria* L.

Geophyte, submesophyte, EUR, occasional apophyte, urban & suburban zones,  
meso-, euhemerob, CWU: s.n.

252. *Aethusa cynapium* L.

Therophyte, mesophyte, EUR, archaeophyte, akolutophyte, epoecophyte,  
urban & suburban zones, meso-, euhemerob, CWU: s.n.

253. *Angelica sylvestris* L.

Hemicryptophyte, hygromesophyte, BOREAL, occasional apophyte,  
urban & suburban zones, oligohemerob.

254. *Antriscus sylvestris* (L.) Hoffm.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones,  
meso-, euhemerob, KW: № 00107576.

255. *Anthriscus nemorosa* (M. Bieb.) Spreng.

Hemicryptophyte, mesophyte, SUBMED, suburban zones, oligohemerob,  
CWU: s.n.

256. *Archangelica officinalis* Hoffm. (*Archangelica officinalis* Hoffm.)

Hemicryptophyte, hygromesophyte, BOREAL, suburban zone, euhemerob,  
CWU: s.n.

257. *Carum carvi* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, mesohemerob, CWU: s.n.

\**Chaerophyllum bulbosum* L.

Therophyte, mesophyte, Syl, CWU (Tzvelev, 1951).

258. *Chaerophyllum temulum* L.

Therophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-,  
euhemerob, CWU: s.n.

\**Cicuta virosa* L.

Hemicryptophyte, hygromesophyte, Pal, Nalyvaiko (1898).

259. *Cnidium dubium* (Schkuhr) Thell.

Hemicryptophyte, submesophyte, EURAS, suburban zones, euhemerob.

260. *Conium maculatum* L.

Hemicryptophyte, mesophyte, EUR-WAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

261. *Coriandrum sativum* L.

Therophyte, mesophyte, SUBMED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob.

262. *Daucus carota* L.

Hemicryptophyte, subxerophyte, EUR, euapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105864.

263. *Eryngium campestre* L.

Hemicryptophyte, subxerophyte, WNOM, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

264. *Eryngium planum* L.

Hemicryptophyte, xeromesophyte, NOM, occasional apophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

265. *Falcaria vulgaris* Bernh.

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, urban & suburban zones, mesohemerob, KW: № 00106518.

266. *Heraclium sibiricum* L.

Hemicryptophyte, mesophyte, BOREAL, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00107567, 00107568, 00107569.

267. *Oenanthe aquatica* (L.) Poir.

Hemicryptophyte, hygromesophyte, EUR-WAS, suburban zone, euhemerob.

268. *Pastinaca sativa* L.

Hemicryptophyte, mesophyte, EUR, euapophyte, urban & suburban zones, euhemerob, CWU: s.n.

269. *Pastinaca sylvestris* Mill.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zones, euhemerob KW: № 00113382.

270. *Peucedanum oreoselinum* (L.) Moench

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

271. *Peucedanum palustre* (L.) Moench

Hemicryptophyte, submesophyte, BOREAL, suburban zones, olygohemerob.

272. *Peucedanum ruthenicum* M. Bieb.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

273. *Pimpinella anisum* L.

Hemicryptophyte, mesophyte, MED, kenophyte, ergasiophyte, xenophyte, suburban zones, euhemerob.



274. *Pimpinella saxifraga* L.

Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zone, oligohemerob.

275. *Seseli annuum* L.

Hemicryptophyte, hygrophyte, EEUR, suburban zone, oligohemerob.

276. *Silaum silaus* (L.) Schinz ex Thell. (*Silaus pratensis* (Crantz) Besser)

Hemicryptophyte, hygromesophyte, EUR, suburban zone, mesohemerob.

277. *Sium latifolium* L.

Hemicryptophyte, hygrophyte, EUR-WAS, suburban zone, oligo-, mesohemerob.

278. *Torilis japonica* (Houtt.) DC. (*Torilis anthriscus* (L.) S.S. Gmel.)

Therophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

279. *Torilis arvensis* (Huds.) Link

Therophyte, mesophyte, MED, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob.

280. *Trinia multicaulis* (Poir.) Schischk.

Hemicryptophyte, submesophyte, HARCT, suburban zone, mesohemerob, RR.

### Apocynaceae

281. *Vinca herbacea* Waldst. ex Kit.

Chamaephyte, mesophyte, NOM, suburban zones, oligohemerob, CWU: s.n.

282. *Vinca minor* L.

Chamaephyte, mesophyte, WEUR, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

### Aristolochiaceae

283. *Aristolochia clematitis* L.

Geophyte, mesophyte, SUBMED, hemiapophyte, urban zone, euhemerob, CWU: s.n.

284. *Asarum europaeum* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, oligohemerob, CWU: s.n.

### Asclepiadaceae

285. *Asclepias syriaca* L. (*Asclepias cornuti* Desne.)

Hemicryptophyte, submesophyte, NAM, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105912, 00105911, 00112027.

286. *Vincetoxicum hirundinaria* Medik. (*Vincetoxicum officinale* Moench)

Hemicryptophyte, mesophyte, EUR, suburban zone, oligohemerob, CWU: s.n.

287. *Vincetoxicum scandens* Sommier ex Levier

Hemicryptophyte, mesophyte, SUBMED, suburban zones, olygohemerob, RR.

### Asteraceae

288. *Achillea inundata* Kondr.

Hemicryptophyte, mesophyte, WEUR, suburban zone, olygohemerob.

289. *Achillea micrantha* Willd.

Hemicryptophyte, subxerophyte, EURAS, suburban zone, meso-, euhemerob.

290. *Achillea millefolium* L.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

291. *Achillea nobilis* L.

Hemicryptophyte, subxerophyte, NOM, occasional apophyte, suburban zones, meso-, euhemerob, CWU: s.n.

292. *Achillea setacea* Waldst. ex Kit.

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, suburban zones, meso-, euhemerob.

293. *Achillea submillefolium* Klokov ex Krytzka

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105892.

294. *Ambrosia artemisifolia* L.

Therophyte, mesophyte, NAM, kenophyte, xenophyte, ephemerophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00113404.

295. *Anthemis arvensis* L.

Therophyte, submesophyte, NMED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

296. *Anthemis cotula* L.

Therophyte, subxerophyte, EMED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

297. *Anthemis ruthenica* M. Bieb.

Therophyte, submesophyte, EURAS, hemiapophyte, urban & suburban zones, meso-, euhemerob.

298. *Anthemis tinctoria* L. (*Cota tinctoria* (L.) Gay)

Hemicryptophyte, subxerophyte, NOM, suburban zones, olygohemerob.

299. *Arctium lappa* L. (*Lappa major* P. Gaertn.)

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

300. *Arctium minus* (Hill) Bernh.

Hemicryptophyte, mesophyte, EUR, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

301. *Arctium tomentosum* Mill. (*Lappa tomentosa* Lam.)

Hemicryptophyte, mesophyte, NOM, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

302. *Artemisia abrotanum* L. (*Artemisia procera* Willd.)

Hemicryptophyte, submesophyte, WEUR, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105871, 00105870.

303. *Artemisia absinthium* L.

Hemicryptophyte, mesophyte, IT, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105878, 00105877, 00113390, 00113389.

304. *Artemisia annua* L.

Therophyte, mesophyte, EURAS, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

305. *Artemisia austriaca* Jacq. (*Artemisia repens* Pall. ex Willd.)

Chamaephyte, subxerophyte, EUR-SIB, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106520.

306. *Artemisia campestris* L.

Hemicryptophyte, submesophyte, WEUR, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, olygohemerob, CWU: s.n.

307. *Artemisia marschalliana* Spreng.

Chamaephyte, xerophyte, NOM, suburban zones, meso-, polyhemerob, CWU: s.n.

308. *Artemisia scoparia* Waldst. ex Kit.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob.

309. *Artemisia tournefortiana* Rchb.

Hemicryptophyte, mesophyte, IT, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105857, 00105856.

310. *Artemisia vulgaris* L.

Hemicryptophyte, mesophyte, HARCT, urban & suburban zones, meso-, euhemerob, KW: № 00105869.

311. *Bidens cernua* L.

Therophyte, mesophyte, HARCT, occasional apophyte, suburban zone, mesohemerob, CWU: s.n.

312. *Bidens frondosa* L.

Therophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob, KW: № 00107531, 00113334.

313. *Bidens radiata* Thuill.

Therophyte, mesophyte, EURAS, occasional apophyte, suburban zone, mesohemerob, CWU: s.n.

314. *Bidens tripartita* L.

Therophyte, mesophyte, EURAS, hemiapophyte, urban & suburban zones, mesohemerob, KW: № 00107532, 00107533.

315. *Calendula officinalis* L.

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, KW: № 00106528, 00107616.

316. *Carduus acantoides* L.

Hemicryptophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113337.

317. *Carduus crispus* L. (*Carduus incanus* Klokov)

Hemicryptophyte, submesophyte, EURAS, hemiapophyte, suburban zone, mesohemerob, CWU: s.n.

318. *Carduus hamulosus* Ehrh. (*Carduus tyraicus* Klokov)

Hemicryptophyte, subxerophyte, EUR, euapophyte, suburban zone, mesohemerob.

319. *Carduus thoermeri* Weinm.

Hemicryptophyte, submesophyte, NOM, hemiapophyte, urban & suburban zones, meso-, euhemerob.

320. *Carduus uncinatus* M. Bieb.

Hemicryptophyte, subxerophyte, EUR, euapophyte, urban & suburban zone, mesohemerob, CWU: s.n.

321. *Carlina vulgaris* L.

Hemicryptophyte, mesophyte, EEUR-SSIB, suburban zone, olygohemerob.

322. *Centaurea arenaria* M. Bieb.

Hemicryptophyte, subxerophyte, NOM, suburban zone, olygohemerob.

323. *Centaurea biebersteinii* DC.

Hemicryptophyte, subxerophyte, NOM, suburban zone, olygohemerob.

324. *Centaurea cyanus* L.

Hemicryptophyte, mesophyte, MED-SEUR, archaeophyte, xenophyte, epoecophyte, suburban zone, mesohemerob, CWU: s.n.

325. *Centaurea diffusa* Lam.

Hemicryptophyte, subxerophyte, MED-CAS, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113381, 00113422, 00113420.

326. *Centaurea jacea* L.

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, urban & suburban zones, mesohemerob, CWU: s.n.

327. *Centaurea orientalis* L.

Hemicryptophyte, submesophyte, NOM, suburban zones, olygohemerob.

328. *Centaurea phrygia* L. (*C. austriaca* L.)

Hemicryptophyte, mesophyte, BOREAL, suburban zones, olygohemerob, CWU: s.n.

329. *Centaurea pseudomaculosa* Dobroc.

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, urban & suburban zones, mesohemerob.

330. *Centaurea pseudophrygia* C.A. Mey.

Hemicryptophyte, mesophyte, EUR-BOREAL, suburban zones, olygohemerob.

331. *Centaurea scabiosa* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, olygohemerob.

332. *Centaurea stenolepis* A. Kern.

Hemicryptophyte, mesophyte, EEUR, suburban zone, olygohemerob.

333. *Centaurea stereophylla* Besser

Hemicryptophyte, xerophyte, SUBMED, occasional apophyte, suburban zone, olygohemerob.

334. *Centaurea sumensis* Kalen. (*Psephellus sumensis* (Kalen.) Greuter)

Hemicryptophyte, subxerophyte, EUR-BOREAL, suburban zones, olygohemerob, CWU: s.n.

335. *Chondrilla juncea* L.

Hemicryptophyte, subxerophyte, WEUR, occasional apophyte, urban & suburban zones, mesohemerob, KW: № 00107550, 00112046.

336. *Cichorium intybus* L.

Hemicryptophyte, mesophyte, MED-IT, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

337. *Cirsium arvense* (L.) Scop.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00113383.

338. *Cirsium canum* (L.) All.

Hemicryptophyte, mesophyte, EEUR, suburban zone, olygohemerob, CWU: s.n.

339. *Cirsium ciliatum* (Murray) Moench

Hemicryptophyte, mesophyte, EUR-WSIB, kenophyte, xenophyte, ephemerophyte, urban & suburban zones, meso-, eu-, polyhemerob.

340. *Cirsium esculentum* (Siev.) C.A. Mey.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob.

341. *Cirsium oleraceum* (L.) Scop.

Hemicryptophyte, subxerophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

342. *Cirsium pannonicum* (L.) Link

Hemicryptophyte, subxerophyte, EEUR, suburban zone, olygohemerob.

343. *Cirsium polonicum* (Petrak) Iljin

Hemicryptophyte, mesophyte, EEUR, hemiapophyte, suburban zone, olygohemerob.

\**Cirsium serrulatum* (M. Bieb.) Fisch.

Therophyte, mesophyte, St, Nalyvaiko (1898).

344. *Cirsium vulgare* (Savi) Ten. (*Cirsium lanceolatum* (L.) Scop. 1772, non Hill. 1769)

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, olygohemerob, CWU: s.n.

345. *Cirsium ukranicum* Besser ex DC.

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, suburban zones, olygohemerob, CWU: s.n.

346. *Conyza canadensis* (L.) Cronq. (*Erigeron canadensis* L.)  
Therophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte,  
urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.
347. *Cosmos bipinnatus* Cav.  
Therophyte, submesophyte, CAM, kenophyte, ergasiophyte, ergasiophyte,  
urban & suburban zones, meso-, euhemerob, KW: № 00107549.
348. *Crepis tectorum* L.  
Therophyte, mesophyte, EURAS, euapophyte, urban & suburban zones,  
meso-, euhemerob, KW: № 00112047.
349. *Cyclachaena xanthiifolia* (Nutt.) Fresen.  
Therophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte,  
urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00106519.
350. *Echinops sphaerocephalus* L.  
Hemicryptophyte, subxerophyte, NOM, suburban zones, mesohemerob,  
CWU: s.n.
351. *Erigeron acris* L.  
Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban  
zones, meso-, euhemerob, CWU: s.n.
352. *Eupatorium cannabinum* L.  
Hemicryptophyte, hygrophyte, EUR, euapophyte, suburban zone, olygo-,  
mesohemerob, KW: № 00105873, 00105872.
353. *Gaillardia pulchella* Foug.  
Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte,  
urban & suburban zones, meso-, euhemerob, KW: № 00113348.
354. *Galatella villosa* (L.) Rchb.f. (*Crinitaria villosa* (L.) Cass.)  
Hemicryptophyte, submesophyte, NOM, suburban zones, olygohemerob,  
CWU: s.n.
355. *Galinsoga parviflora* Cav.  
Therophyte, mesophyte, SAM, kenophyte, xenophyte, epoecophyte,  
urban & suburban zones, meso-, euhemerob, KW: 00107534, 00107535.
356. *Galinsoga urticifolia* (Kunth) Benth.  
Therophyte, mesophyte, SAM, kenophyte, xenophyte, epoecophyte,  
urban & suburban zones, meso-, euhemerob, KW: 00112048.
357. *Gnaphalium luteoalbum* L.  
Hemicryptophyte, HARCT, mesophyte, occasional apophyte, suburban zone,  
mesohemerob.
358. *Gnaphalium uliginosum* L.  
Therophyte, subxerophyte, HARCT, occasional apophyte, suburban zone,  
mesohemerob.
359. *Grindelia squarrosa* (Pursh) Dunal  
Hemicryptophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte,  
urban zone, meso-, eu-, polyhemerob, KW: № 00105879, 00105925.

360. *Helianthus annuus* L.

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, mesohemerob, KW: № 008761.

361. *Helianthus decapetalus* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, colonophyte, urban & suburban zones, mesohemerob, KW: № 072704, 072705.

362. *Helianthus* × *laetiflorus* Pers. (*Helianthus rigidus* × *Helianthus tuberosus*)

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, colonophyte, urban & suburban zones, mesohemerob, KW: № 00105952, 00105953.

363. *Helianthus subcanescens* (A. Gray) E.E. Watson

(*Helianthus tuberosus* L. var. *subcanescens* A. Gray)

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, colonophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

364. *Helianthus tuberosus* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, KW: № 091279.

365. *Helichrysum arenarium* (L.) Moench

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, suburban zone, olygohemerob.

366. *Heliopsis scabra* Dunal.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: 00107563, 00107564, 00107586, 00107611.

367. *Hieracium umbellatum* L.

Hemicryptophyte, mesophyte, HARCT, urban & suburban zones, mesohemerob, KW: № 00112041, 00113417.

368. *Hieracium virosum* Pall.

Hemicryptophyte, submesophyte, NOM, suburban zone, olygohemerob.

369. *Hypochaeris maculata* L.

Hemicryptophyte, submesophyte, EUR-SSIB, urban & suburban zones, mesohemerob.

370. *Inula aspera* Poir.

Hemicryptophyte, submesophyte, WEUR-AS, suburban zone, olygohemerob, CWU: s.n.

371. *Inula britannica* L.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, suburban zone, mesohemerob, KW: № 00107530.

372. *Inula germanica* L.

Hemicryptophyte, subxerophyte, WNOM, occasional apophyte, suburban zones, olygohemerob, CWU: s.n.

373. *Inula helenium* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob, RR, CWU: s.n.

374. *Inula hirta* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, mesohemerob.

375. *Inula salicina* L.

Hemicryptophyte, mesophyte, EUR-SSIB, urban & suburban zones, mesohemerob, CWU: s.n.

376. *Jurinea arachnoidea* Bunge.

Hemicryptophyte, subxerophyte, EUR, suburban zone, mesohemerob.

377. *Jurinea cyanoides* (L.) Rchb. (*Jurinea charcoviensis* Klokov)

Hemicryptophyte, subxerophyte, EUR, suburban zone, mesohemerob.

378. *Klasea radiata* (Waldst. ex Kit.) Á. Löve ex D. Löve

(*Serratula hungarica* Klokov ex Dobrocz.)

Hemicryptophyte, submesophyte, WNOM, suburban zones, oligohemerob.

379. *Lactuca chaixii* Vill.

Therophyte, mesophyte, EUR, suburban zones, oligohemerob, CWU: s.n.

380. *Lactuca saligna* L.

Therophyte, mesophyte, EURAS, hemiapophyte, suburban zones, oligohemerob, CWU: s.n.

381. *Lactuca serriola* L.

Therophyte, mesophyte, MED-CAS, archaeophyte, akolutophyte, epocophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

382. *Lactuca tatarica* (L.) C.A. Mey.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

383. *Lapsana communis* L.

Therophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, mesohemerob, CWU: s.n.

384. *Leontodon autumnalis* L.

Hemicryptophyte, mesophyte, EUR-SSIB, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

385. *Lepidotheca suaveolens* (Pursh) Nutt.

(*Chamomilla suaveolens* (Pursh) Rydb.)

Therophyte, mesophyte, NAM, archaeophyte, ergasiophyte, epocophyte, urban & suburban zones, meso-, euhemerob, KW: № 00112033.

386. *Leucanthemum vulgare* Lam.

Hemicryptophyte, mesophyte, EUR, urban & suburban zones, mesohemerob, CWU: s.n.

387. *Matricaria recutita* L.

Therophyte, mesophyte, WEUR, archaeophyte, ergasiophyte, epocophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

388. *Mycelis muralis* (L.) Dumort.

Hemicryptophyte, mesophyte, WEUR, occasional apophyte, urban & suburban zones, mesohemerob.



389. *Onopordum acanthium* L.

Hemicryptophyte, subxerophyte, EMED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

390. *Petasites hybridus* (L.) P. Gaertn., B. Mey. & Scherb.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

391. *Petasites spurius* (Retz.) Rchb.

Hemicryptophyte, mesophyte, EURAS, kenophyte, ephemerophyte, akolutophyte, suburban zone, mesohemerob, KW: № 00113336.

392. *Phalacroloma anuum* (L.) Dumort. (*Stenactis annua* Nees.)

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

393. *Phalacroloma septentrionale* (Fernald ex Wiegand) Tzvelev ~

*Phalacroloma anuum* aggr.

Therophyte, mesophyte, NAM, kenophyte, agriophyte, xenophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

394. *Picris hieracioides* L.

Hemicryptophyte, submesophyte, EURAS, hemiapophyte, urban & suburban zones, mesohemerob, KW: № 00107598, 00112049.

395. *Pilosella caespitosa* (Dumort.) P.D. Sell ex C. West.

(*Hieracium caespitosum* Dumort.)

Hemicryptophyte, mesophyte, EUR, suburban zones, mesohemerob.

396. *Pilosella echioides* (Lumn.) F. Schultz ex Sch. Bip.

(*Hieracium echioides* Lumn.)

Hemicryptophyte, subxerophyte, NOM, suburban zone, mesohemerob, CWU: s.n.

397. *Pilosella officinarum* F. Schult. ex Sch. Bip. (*Hieracium pilosella* L.)

Hemicryptophyte, mesophyte, EUR, suburban zones, mesohemerob, CWU: s.n.

398. *Pilosella vaillantii* (Tausch) Soják. (*Hieracium vaillantii* Tausch.)

Hemicryptophyte, subxerophyte, EEUR, suburban zone, olygohemerob.

399. *Pulicaria vulgaris* P. Gaertn.

Therophyte, mesophyte, WEUR, occasional apophyte, suburban zone, olygohemerob.

400. *Pyrethrum corymbosum* (L.) Scop. (*Chrysanthemum corymbosum* L.)

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob, RR.

401. *Rudbeckia hirta* L.

Hemicryptophyte, submesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, KW: № 00107578, 00107579.

402. *Rudbeckia laciniata* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban, mesohemerob, CWU: s.n.

403. *Rudbeckia triloba* L.

Hemicryptophyte, submesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zones, mesohemerob, KW: № 00112057.

\**Scorzonera austriaca* Willd.

Hemicryptophyte, subxerophyte, St, CWU (Tzvelev, 1951).

404. *Senecio erucifolius* L.

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zone, olygohemerob, CWU: s.n.

405. *Senecio jacobaea* L. (***Jacobaea vulgaris*** Gaertn.)

Hemicryptophyte, mesophyte, NOM, hemiapophyte, urban & suburban, mesohemerob, KW: № 00113339.

406. *Senecio vernalis* Waldst. ex Kit.

Hemicryptophyte, mesophyte, SUBMED, euapophyte, urban & suburban zones, mesohemerob, KW: № 00107594.

407. *Senecio viscosus* L.

Therophyte, mesophyte, CEUR, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob.

408. *Senecio vulgaris* L.

Hemicryptophyte, mesophyte, AS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

409. *Serratula lycopifolia* (Vill.) A. Kern.

(*Serratula nitida* (Waldst. ex Kit.) Besser)

Hemicryptophyte, submesophyte, WNOM, suburban zones, olygohemerob.

410. *Silybum marianum* (L.) P. Gaertn. (*Carduus marianus* L.)

Hemicryptophyte, submesophyte, MED, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob.

411. *Solidago canadensis* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106504, 00107580, 00112045, 00113341.

412. *Solidago serotinoidea* A. Love ex D. Love

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

413. *Solidago virgaurea* L.

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, mesohemerob, CWU: s.n.

414. *Sonchus arvensis* L.

Hemicryptophyte, mesophyte, EURAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

415. *Sonchus asper* (L.) Hill.

Hemicryptophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, KW: № 00107597.

416. *Sonchus oleraceus* L.

Therophyte, mesophyte, EURAS, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

417. *Sonchus palustris* L.

Hemicryptophyte, submesophyte, EURAS, suburban zones, olygohemerob.

418. *Symphotrichum lanceolatum* (Willd.) G.L. Nesom

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

419. *Symphotrichum novae-angliae* (L.) G.L. Nesom (*Aster novae-angliae* L.)

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

420. *Symphotrichum novi-belgii* (L.) G.L. Nesom (*Aster novi-belgii* L.)

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, KW: № 00112029, 00112030.

421. *Symphotrichum x salignum* (Willd.) G.L. Nesom (*Aster lanceolatus* x *Aster novi-belgii*)

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

422. *Tagetes erecta* L.

Hemicryptophyte, mesophyte, CAM, kenophyte, ergasiophyte, ergasiophyte, suburban zones, mesohemerob, KW: № 00107590.

423. *Tanacetum vulgare* L.

Hemicryptophyte, mesophyte, EURAS, occasional apophyte, urban & suburban zones, KW: № 00105863.

424. *Taraxacum officinale* Wigg.

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

425. *Taraxacum serotinum* (Waldst. ex Kit.) Poir.

Hemicryptophyte, subxerophyte, EMED, hemiapophyte, urban & suburban, mesohemerob.

426. *Tragopogon dubius* Scop.

Hemicryptophyte, subxerophyte, EUR, euapophyte, urban & suburban zones, mesohemerob.

427. *Tragopogon major* Jacq.

Hemicryptophyte, subxerophyte, SUBMED, euapophyte, urban & suburban zones, mesohemerob, CWU: s.n.

428. *Tragopogon podolicus* (DC.) Artemz.

Hemicryptophyte, subxerophyte, EUR, urban & suburban zones, suburban zones, olygohemerob, CWU: s.n.

429. *Tragopogon ucrainicus* Artemz.

Hemicryptophyte, subxerophyte, EUR, suburban zone, olygohemerob, ERL, RDBU, KW: № 00105855.

430. *Tripleurospermum inodorum* (L.) Sch. Bip.

Therophyte, mesophyte, AS, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

431. *Tripolium pannonicum* (Jacq.) Dobrocz. ~ *Tripolium vulgare*

Therophyte, mesophyte, NOM, urban & suburban zones, meso-, olygohemerob, KW: № 00107543.

432. *Tripolium vulgare* Nees. (*Aster tripolium* L.)

Therophyte, mesophyte, EUR, euapophyte, urban & suburban zones, meso-, polyhemerob, CWU: s.n.

433. *Tussilago farfara* L.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, suburban zone, mesohemerob, KW: № 00105906.

434. *Xanthium albinum* (Widder) H. Scholz

Therophyte, mesophyte, WEUR, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob, KW: № 00107544, 00107545, 00107606, 00107608, 00107609.

435. *Xanthium californicus* Greene.

Therophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob.

436. *Xanthium spinosum* L.

Therophyte, mesophyte, CAM, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob.

437. *Xanthium strumarium* L.

Therophyte, mesophyte, IT, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

### Balsaminaceae

438. *Impatiens glandulifera* Royle

Therophyte, hygrophyte, S-EAS, kenophyte, ergasiophyte, xenophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105903, 00105902, 00107561, 00107562.

439. *Impatiens noli-tangere* L.

Therophyte, hygromesophyte, BOREAL, suburban zone, olygohemerob.

440. *Impatiens parviflora* DC.

Therophyte, mesophyte, CAS, kenophyte, xenophyte, agriophyte, suburban zones, meso-, euhemerob, KW: № 00105890.

### Berberidaceae

441. *Berberis vulgaris* L.

Phanerophyte, submesophyte, EUR, urban & suburban zones, olygohemerob, RR.

442. *Mahonia aquifolium* Nutt.

Phanerophyte, mesophyte, NAM, kenophyte, xenophyte, agriophyte, suburban zones, olygo-, mesohemerob.

### Betulaceae

443. *Alnus glutinosa* Roth

Phanerophyte, submesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

444. *Betula pendula* Roth

Phanerophyte, submesophyte, EUR-SSIB, urban & suburban zones, olygohemerob, CWU: s.n.

445. *Betula pubescens* Ehrh.

Phanerophyte, submesophyte, BOREAL, urban & suburban zones, olygohemerob.

### Bignoniaceae

446. *Catalpa bignonioides* Walt.

Phanerophyte, xerophytes, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zones, meso-, euhemerob, CWU: s.n.

### Boraginaceae

447. *Aegonychon purpureo-caeruleum* (L.) Holub.

Hemicryptophyte, mesophyte, SUBMED, suburban zone, olygohemerob, CWU: s.n.

448. *Anchusa azurea* Mill.

Hemicryptophyte, submesophyte, MED, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

449. *Anchusa officinalis* L.

Hemicryptophyte, subxeromesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

450. *Anchusa barrelieri* (All.) Vitm.

Hemicryptophyte, subxeromesophyte, SUBMED, suburban zones, olygohemerob.

451. *Asperugo procumbens* L.

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

452. *Buglossoides arvensis* (L.) I.M. Johnst. (*Lithospermum arvense* L.)

Therophyte, mesophyte, MEDIT, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

453. *Buglossoides czernjajevii* (Klokov) Czerep.

(*Lithospermum czernjajevii* Klokov)

Therophyte, submesophyte, EURAS, suburban zones, olygohemerob.

454. *Cynoglossum officinale* L.

Hemicryptophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

455. *Echium vulgare* L.

Hemicryptophyte, subxerophyte, HARCT, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105846.

\**Heliotropium ellipticum* Ledeb.

Therophyte, subxerophyte, psammophyte, CWU (Tzvelev, 1949).

456. *Lappula squarrosa* (Retz.) Dumort. (*Lappula myosotis* Moench, *Echinospermum lappula* Lehm.)

Hemicryptophyte, mesophyte, MEDIT, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, KW: № 00107541.

457. *Lithospermum officinale* L.

Hemicryptophyte, subxerophyte, EURAS, hemiapophyte, urban & suburban zones, mesohemerob.

458. *Lycopsis arvensis* L. (*Anchusa arvensis* (L.) M. Bieb.)

Therophyte, mesophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

459. *Myosotis arvensis* (L.) Hill.

Therophyte, submesophyte, MEDIT, archaeophyte, akolutophyte, epoecophyte, suburban zone, mesohemerob.

460. *Myosotis discolor* Pers. (*Myosotis versicolor* (Pers.) Smith.)

Therophyte, submesophyte, HARCT, hemiapophyte, suburban zone, mesohemerob.

461. *Myosotis micrantha* Pall. ex Lehm.

Therophyte, subxerophyte, WEUR, suburban zone, olygohemerob, CWU: s.n.

462. *Myosotis scorpioides* L. (*Myosotis palustris* Roth)

Hemicryptophyte, hygromesophyte, BOREAL, urban & suburban zone, olygohemerob.

463. *Myosotis sparsiflora* J.C. Mikan. ex Pohl.

Therophyte, mesophyte, EUR, occasional apophyte, suburban zone, olygohemerob.

464. *Myosotis ucrainica* Czern.

Therophyte, subxerophyte, WEUR, suburban zone, olygohemerob.

465. *Nonnea pulla* DC.

Hemicryptophyte, subxerophyte, NOM, hemiapophyte, suburban zone, meso-, euhemerob, CWU: s.n.

466. *Pulmonaria obscura* Dumort.

Hemicryptophyte, submesophyte, EUR, suburban zones, olygohemerob, CWU: s.n.

467. *Symphytum officinale* L.

Hemicryptophyte, subxerophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

**Brassicaceae**

468. *Alliaria petiolata* (M. Bieb.) Cavara ex Grande  
Hemicryptophyte, mesophyte, EUR, euapophyte, urban zones, meso-, euhemerob, CWU: s.n.
469. *Allysum calycinum* L.  
Therophyte, subxerophyte, NOM, hemiapophyte, urban zones, euhemerob.
470. *Allysum desetorum* Stapf.  
Therophyte, subxerophyte, SUBMED, euapophyte, urban zones, euhemerob.
471. *Allysum hirsutum* M. Bieb.  
Therophyte, subxerophyte, SUBMED, hemiapophyte, urban zones, euhemerob.
472. *Arabidopsis thaliana* (L.) Heynh.  
Therophyte, mesophyte, MEDIT, kenophyte, akolutophyte, epoecophyte, urban & suburban zone, euhemerob, CWU: s.n.
473. *Arabis sagittata* (Bertol.) DC.  
Hemicryptophyte, mesophyte, EUR-SSIB, suburban zones, mesohemerob.
474. *Arabis pendula* L.  
Hemicryptophyte, mesophyte, EEUR- SSIB, hemiapophyte, urban zones, mesohemerob, RR.
475. *Armoracia rusticana* P. Gaertn., B. Mey. ex Scherb.  
(*Cochlearia armoracia* L., *Nasturtium armoracia* Fr.)  
Hemicryptophyte, mesophyte, IT, kenophyte, ergasiophyte, ergasiophyte, urban zone, polyhemerob, CWU: s.n.
476. *Barbarea vulgaris* R. Br.  
Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban zones, euhemerob.
477. *Berteroa incana* (L.) DC.  
Hemicryptophyte, subxerophyte, NOM, hemiapophyte, urban zone, polyhemerob, KW: № 00105901, 00105900, 00106501, 00106521, 00106529.
478. *Brassica campestris* L.  
Therophyte, subxerophyte, CAS, archaeophyte, xenophyte, epoecophyte, urban zones, polyhemerob, CWU: s.n.
479. *Brassica juncea* (L.) Czern.  
Therophyte, mesophyte, S-EAS, kenophyte, ergasiophyte, ergasiophyte, urban zones, euhemerob, CWU: s.n.
480. *Brassica napus* L.  
Therophyte, mesophyte, SEUR, kenophyte, ergasiophyte, ergasiophyte, urban zones, polyhemerob, CWU: s.n.
481. *Brassica nigra* (L.) W.D.J. Koch  
Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.
482. *Bunias erucago* L. (*Bunias arvensis* Jord.)  
Therophyte, hemicryptophyte, mesophyte, MED, kenophyte, ephemerophyte, akolutophyte, urban zone, euhemerob.

483. *Bunias orientalis* L.

Hemicryptophyte, geophytes, submesophyte, EMED, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, KW: 00107589.

484. *Camelina microcarpa* Andrz.

Therophyte, hemicryptophyte, mesophyte, MED-CAS, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

485. *Camelina rumelica* Velen.

Therophyte, hemicryptophyte, submesophyte, MED, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

486. *Camelina sativa* (L.) Crantz

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.

487. *Capsella bursa-pastoris* (L.) Medik.

Therophyte, hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.

488. *Capsella orientalis* Klovov

Therophyte, submesophyte, EUR, euapophyte, urban zones, euhemerob.

489. *Cardamine dentate* L. (*Cardamine paludosa* Knaf.,

*Cardamine palustris* (Wimmer ex Graebn.) Peterm.)

Hemicryptophyte, therophyte, mesophyte, HARCT, hemiapophyte, urban zones, olygohemerob.

490. *Cardamine impatiens* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban zones, olygohemerob.

491. *Cardamine parviflora* L.

Therophyte, mesophyte, EUR, urban zones, olygohemerob, CWU: s.n.

492. *Cardamine pratensis* L.

Hemicryptophyte, geophyte, mesophyte, HARCT, hemiapophyte, urban zones, olygo-, mesohemerob.

493. *Cardaria draba* (L.) Desv. (*Lepidium draba* L.)

Geophyte, mesophyte, MED, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob, KW: № 00105918, 00105917, 00105916, 00105915, 00107570.

494. *Chorispora tenella* (Pall.) DC.

Therophyte, hemicryptophyte, mesophyte, MED-CAS, kenophyte, epoecophyte, akolutophyte, urban zones, polygemerob, KW: № 00107568.

495. *Conringia orientalis* (L.) Dumort. (*Brassica orientalis* L.)

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban zone, euhemerob.

496. *Dentaria bulbifera* L. (*Cardamine bulbifera* (L.) Crantz)

Geophyte, mesophyte, WEUR, urban zone, olygohemerob, RR, CWU: s.n.

497. *Dentaria quinquefolia* M. Bieb.

(*Cardamine quinquefolia* (M. Bieb.) Schmalh.)

Geophyte, mesophyte, SUBMED, urban zone, olygohemerob, RR.



498. *Descurania sophia* (L.) Webb. ex Prantl

Therophyte, hemicryptophyte, mesophyte, MEDAS, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, KW: № 00105922, 00106571, 00106572.

499. *Diplotaxis muralis* (L.) DC.

Therophyte, hemicryptophyte, mesophyte, SEUR, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob.

500. *Diplotaxis tenuifolia* (L.) DC.

Chamaephyte, subxerophyte, MED, kenophyte, epoecophyte, akolutophyte, urban zones, polyhemerob, CWU: s.n.

501. *Draba nemorosa* L.

Therophyte, submesophyte, HARCT, occasional apophyte, urban zones, euhemerob, KW: № 00105905.

502. *Erophila verna* (L.) Besser (***Draba verna*** L.)

Therophyte, mesophyte, SUBMED, hemiapophyte, urban & suburban zones euhemerob.

503. *Eruca vesicaria* (L.) Cav.

Therophyte, submesophyte, WEUR, kenophyte, epoecophyte, ergasiophyte, urban & suburban zones, euhemerob.

504. *Erucastrum armoracioides* (Czern. ex Turcz.) Cruchet.

Hemicryptophyte, therophyte, subxerophyte, SUBMED, euapophyte, urban zones, mesohemerob.

505. *Erysimum cheiranthoides* L.

Therophyte, mesophyte, MED-CAS, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, polyhemerob, KW: № 00107566.

506. *Erysimum diffusum* Ehrh.

Hemicryptophyte, subxerophyte, EURAS, hemiapophyte, urban zones, mesohemerob.

507. *Erysimum marschallianum* Andr. ex DC.

Hemicryptophyte, subxerophyte, EEUR-SIB, euapophyte, urban & suburban zones, mesohemerob.

508. *Erysimum odoratum* Ehrh.

Hemicryptophyte, subxerophyte, MED, hemiapophyte, suburban zones mesohemerob.

509. *Erysimum repandum* L.

Therophyte, mesophyte, MED-CAS, archaeophyte, epoecophyte, akolutophyte, urban zones, euhemerob.

510. *Euclidium syriacum* (L.) R. Br.

Therophyte, subxerophyte, IT, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob.

511. *Hesperis matronalis* L.

Hemicryptophyte, mesophyte, IT, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.

512. *Hesperis sibirica* L.

Hemicryptophyte, mesophyte, SUBMED, hemiapophyte, suburban zones mesohemerob.

513. *Lepidium campestre* (L.) R. Br.

Therophyte, mesophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zones, euhemerob.

514. *Lepidium densiflorum* Schrad.

Therophyte, mesophyte, NAM, kenophyte, epocophyte, akolutophyte, urban zones, euhemerob, KW: № 00107588.

515. *Lepidium latifolium* L.

Geophyte, subxerophyte, SUBMED, euapophyte, urban & suburban zones, mesohemerob.

516. *Lepidium perfoliatum* L.

Hemicryptophyte, subxerophyte, MED-CAS, kenophyte, epocophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.

517. *Lepidium ruderale* L.

Therophyte, mesophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.

518. *Lepidium sativum* L.

Therophyte, mesophyte, MED-AF, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.

519. *Lunaria annua* L.

Therophyte, hemicryptophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob.

520. *Neslia paniculata* (L.) Desv.

Therophyte, subxerophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zones, euhemerob.

521. *Pseudoarabidopsis toxophylla* (M. Bieb.) Al-Shehbaz, O'Kane ex Price  
(*Arabidopsis toxophylla* (M. Bieb.) N.Busch.)

Hemicryptophyte, mesophyte, EUR, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob.

522. *Raphanus raphanistrum* L.

Therophyte, mesophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.

523. *Raphanus sativus* L.

Therophyte, mesophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.

524. *Rapistrum perenne* (L.) All.

Hemicryptophyte, subxerophyte, NOM, euapophyte, urban zones, euhemerob.

525. *Rorippa amphibia* (L.) Besser (*Nasturtium amphibium* R. Br., *Cochlearia amphibian* Led.)

Geophyte, hydrophyte, hydrophyte, EUR-SSIB, urban & suburban zones, euhemerob.

526. *Rorippa austriaca* (Crantz) Besser (*Nasturtium austriacum* Crantz)  
Hemicryptophyte, geophyte, submesophyte, SUBMED, occasional apophyte, urban zones, mesohemerob, CWU: s.n.
527. *Rorippa brachycarpa* (S.A. Mey.) Hayek (*Nasturtium brachicarpum* C.A. Mey.)  
Hemicryptophyte, submesophyte, WEUR, hemiapophyte, urban & suburban zones, euhemerob.
528. *Rorippa sylvestris* (L.) Besser (*Nasturtium sylvestre* (L.) R. Br.)  
Hemicryptophyte, geophytes, mesophyte, EUR, occasional apophyte, urban & suburban zones, meso-, euhemerob.
529. *Sinapis alba* L.  
Therophyte, mesophyte, MED, archaeophyte, epoecophyte, ergasiophyte, suburban zone, euhemerob, CWU: s.n.
530. *Sinapis arvensis* L. (*Brassica sinapistrum* Boiss.)  
Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.
531. *Sinapis dissecta* Lag.  
Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.
532. *Sisymbrium altissimum* L. (*Sisymbrium pannonicum* Jacq.)  
Therophyte, hemicryptophyte, subxerophyte, MED, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.
533. *Sisymbrium loeselii* L.  
Therophyte, subxerophyte, MED-CAS, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob, CWU: s.n.
534. *Sisymbrium officinale* (L.) Scop.  
Therophyte, hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.
535. *Sisymbrium polymorphum* (Murray) Roth  
Hemicryptophyte, subxerophyte, MED-CAS, kenophyte, ephemerophyte, akolutophyte, urban zones, mesohemerob.
536. *Sisymbrium volgense* M. Bieb. ex Fourn. (*Sisymbrium volgense* M. Bieb. ex Fourn., ortho)  
Hemicryptophyte, geophytes, subxerophyte, EUR, kenophyte, epoecophyte, akolutophyte, urban zones, euhemerob.
537. *Thlaspi arvense* L.  
Therophyte, mesophyte, IT, archaeophyte, epoecophyte, akolutophyte, urban zones, euhemerob, KW: № 00105859, 00106517.
538. *Thlaspi perfoliatum* L. (***Microthlaspi perfoliatum*** (L.) F.K. Mey.)  
Therophyte, submesophyte, IT, kenophyte, epoecophyte, akolutophyte, urban zones, polyhemerob.
539. *Turritis glabra* L.  
Hemicryptophyte, submesophyte, EUR-SSIB, euapophyte, urban & suburban zones, mesohemerob.

### Caesalpiaceae

540. *Gleditsia triacanthos* L.

Phanerophyte, mesophyte, NAM, kenophyte, epoecophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

### Callitrichaceae

541. *Callitriche palustris* L. (*Callitriche verna* L., *Callitriche vernalis* W.D.J. Koch.)

Hydrophyte, hydrophyte, HARCT, suburban zone, olygohemerob.

### Campanulaceae

542. *Asyneuma canescens* (Waldst. ex Kit.) Griseb. ex Schrenk.

Hemicryptophyte, xerophytes, MED, suburban zone, olygohemerob.

543. *Campanula bononiensis* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, olygohemerob.

544. *Campanula farinosa* Andr.

Hemicryptophyte, mesophyte, EUR-AS, suburban zone, olygohemerob.

545. *Campanula glomerata* L.

Hemicryptophyte, mesophyte, EURAS, suburban zone, olygohemerob.

\**Campanula patula* L.

Therophyte, mesophyte, Pr, Nalyvaiko (1898).

546. *Campanula persicifolia* L.

Hemicryptophyte, mesophyte, EUR, suburban zones, olygohemerob, RR, CWU: s.n.

547. *Campanula rapunculoides* L.

Hemicryptophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, meso-, olygohemerob, KW: № 00113387.

548. *Campanula rapunculus* L.

Hemicryptophyte, mesophyte, SUBMED, hemiapophyte, urban & suburban zones, meso-, olygohemerob, CWU: s.n.

549. *Campanula rotundifolia* L.

Hemicryptophyte, submesophyte, EUR-SSIB, urban & suburban zones, olygohemerob.

550. *Campanula sibirica* L.

Hemicryptophyte, submesophyte, NOM, hemiapophyte, urban & suburban zones, olygohemerob.

### Cannabaceae

551. *Cannabis ruderalis* Janisch. (*Cannabis sativa* L. subsp. *spontanea* Serebr.)

Therophyte, mesophyte, IT, kenophyte, epoecophyte, xenophyte, urban & suburban zones, polyhemerob.

552. *Cannabis sativa* L.

Therophyte, submesophyte, EMED, kenophyte, epoecophyte, xenophyte, urban, polyhemerob, KW: № 00113399.

553. *Humulus lupulus* L.

Hemicryptophyte, mesophyte, EUR-WAS, hemiapophyte, urban & suburban zones, mesohemerob, CWU: s.n.

**Caprifoliaceae (incl. *Sambucaceae*, *Viburnaceae*)**554. *Lonicera tatarica* L.

Phanerophyte, submesophyte, AS, kenophyte, epoecophyte, ergasiophyte, suburban zones, oligohemerob, CWU: s.n.

555. *Sambucus nigra* L.

Phanerophyte, submesophyte, EUR, occasional apophyte, suburban zones, oligohemerob, KW: № 00113415.

556. *Sambucus racemosa* L.

Phanerophyte, mesophyte, EUR, occasional apophyte, suburban zones, oligohemerob, CWU: s.n.

557. *Symphoricarpos albus* (L.) S.F. Blake (*Symphoricarpos rivularis* Suksdorf.)

Phanerophyte, mesophyte, NAM, kenophyte, epoecophyte, ergasiophyte, urban zones, mesohemerob, CWU: s.n.

558. *Viburnum opulus* L.

Phanerophyte, submesophyte, EUR, urban & suburban zones, oligohemerob, CWU: s.n.

**Caryophyllaceae**559. *Agrostemma githago* L.

Therophyte, mesophyte, EURAS, archaeophyte, epoecophyte, xenophyte, suburban zone, euhemerob.

560. *Cerastium arvense* L.

Chamaephyte, subxerophyte, HARCT, occasional apophyte, suburban zone, euhemerob, CWU: s.n.

561. *Cerastium holosteoides* Fr.

Chamaephyte, mesophyte, SUBMED, hemiapophyte, urban, euhemerob, CWU: s.n.

562. *Cocciganthe flos-cuculi* (L.) Fourr. (*Coronaria flos-cuculi* (L.) A. Br.,  
*Lychnis flos-cuculi* L., *Silene flos-cuculi* (L.) Clairv.)

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zones, mesohemerob, KW: № 00106500.

563. *Cucubalus baccifer* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zones, mesohemerob.

564. *Dianthus andrzejowskianus* (Zapał.) Kulcz.

Hemicryptophyte, subxerophyte, WEUR, urban zone, mesohemerob.

565. *Dianthus campestris* M. Bieb.

Hemicryptophyte, subxerophyte, EUR, urban zone, mesohemerob, CWU: s.n.

566. *Dianthus deltoides* L.

Chamaephyte, mesophyte, EUR-SSIB, urban zone, mesohemerob.

567. *Dianthus stenocalyx* Juz.

Hemicryptophyte, mesophyte, EEUR, suburban zone, mesohemerob, RR.

568. *Elisanthe noctiflora* (L.) Rupr. (*Silene noctiflora* L.)

Therophyte, hemicryptophyte, mesophyte, EUR-SSIB, hemiapophyte, urban zone, meso-, euhemerob. CWU: s.n.

569. *Elisanthe viscosa* (L.) Rupr. (*Silene viscosa* (L.) Pers., *Melandrium viscosum* (L.) Čelak.)

Hemicryptophyte, therophyte, submesophyte, EUR-SSIB, suburban zones, mesohemerob, CWU: s.n.

570. *Eremogone rigida* (M. Bieb.) Fenzl. (*Arenaria rigida* M. Bieb.)

Hemicryptophyte, submesophyte, EUR, suburban zones, mesohemerob.

571. *Gypsophyla paniculata* L.

Hemicryptophyte, subxerophyte, EURAS, occasional apophyte, suburban zone, mesohemerob, KW: № 00107572, 00107573.

572. *Gypsophila perfoliata* L.

Hemicryptophyte, submesophyte, EURAS, urban & suburban zones, mesohemerob, KW: № 00107612.

573. *Herniaria glabra* L.

Therophyte, hemicryptophyte; submesophyte, EUR, euapophyte, urban zones, euhemerob.

574. *Holosteum umbellatum* L.

Therophyte, submesophyte, EEUR, hemiapophyte, urban & suburban zones, euhemerob.

575. *Melandrium album* (Mill.) Garcke.

Hemicryptophyte, therophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, polyhemerob, KW: № 00106525.

576. *Moehringia trinervia* (L.) Clairv.

Hemicryptophyte, mesophyte, WEUR, suburban zones, mesohemerob, CWU: s.n.

577. *Myosoton aquaticum* (L.) Moench

Hemicryptophyte, hygrophyte, EURAS, euapophyte, urban zones, mesohemerob, KW: 00107574, 00107575.

578. *Oberna behen* (L.) Ikonn. (*Silene vulgaris* (Moench) Garcke.)

Chamaephyte, hemicryptophyte, EURAS, euapophyte, urban & suburban zones, mesohemerob, KW: № 00107571.

579. *Otites borysthenicus* (Grun.) Klovov  
Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zones, mesohemerob.
580. *Otites densiflorus* (D'Urv.) Grossh. (*Silene densiflora* D'Urv.)  
Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zones, mesohemerob.
581. *Psammophiliella muralis* (L.) Ikonn. (*Gypsophila muralis* L.)  
Therophyte, subxerophyte, EURAS, hemiapophyte, urban & suburban zones, euhemerob, KW: № 00113346.
582. *Sagina nodosa* (L.) Fenzl  
Hemicryptophyte, mesophyte, EUR-SSIB, suburban zones, mesohemerob, CWU: s.n.
583. *Sagina procumbens* L.  
Chamaephyte, hemicryptophyte, mesophyte, EURAS, euapophyte, suburban zones, mesohemerob, RR.
584. *Saponaria officinalis* L.  
Hemicryptophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, KW: № 00105852, 00105851.
585. *Scleranthus annuus* L.  
Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban zones, euhemerob.
586. *Scleranthus perennis* L.  
Hemicryptophyte, submesophyte, EUR, hemiapophyte, urban, mesohemerob.
587. *Silene chlorantha* (Wild.) Ehrh.  
Hemicryptophyte, subxerophyte, EUR-SSIB, urban & suburban zones, mesohemerob.
588. *Silene nutans* L.  
Hemicryptophyte, submesophyte, EUR-SSIB, suburban zones, mesohemerob.
589. *Spergula arvensis* (L.) Clairv.  
Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, suburban zones, euhemerob, CWU: s.n.
590. *Spergularia rubra* (L.) J. Presl. ex S. Presl. (*Spergularia rubra* Pers.)  
Hemicryptophyte, mesophyte, EURAS, euapophyte, urban zones, euhemerob.
591. *Stellaria graminea* L.  
Hemicryptophyte, submesophyte, EURAS, euapophyte, suburban zones, mesohemerob, CWU: s.n.
592. *Stellaria holostea* L.  
Chamaephyte, hemicryptophyte, mesophyte, EUR, suburban zones, mesohemerob, CWU: s.n.
593. *Stellaria media* (L.) Vill. (***Alsine media*** L.)  
Hemicryptophyte, therophyte, submesophyte, HARCT, euapophyte, urban zones, euhemerob.

594. *Stellaria palustris* Retz.

Hemicryptophyte, mesophyte, EURAS, suburban zones, mesohemerob.

595. *Steris viscaria* (L.) Raf.

Hemicryptophyte, mesophyte, EUR, suburban zones, mesohemerob.

596. *Vaccaria hispanica* (Mill.) Rauschert

Therophyte, mesophyte, MED, archaeophyte, epocophyte, ergasiophyte, urban & suburban zones, euhemerob, CWU: s.n.

### Celastraceae

597. *Euonymus europaea* L.

Phanerophyte, mesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

598. *Euonymus verrucosa* Scop.

Phanerophyte, mesophyte, EEUR, suburban zone, olygohemerob, CWU: s.n.

### Ceratophyllaceae

599. *Ceratophyllum demersum* L.

Hydrophyte, hydrophyte, HARCT, suburban zone, olygohemerob, KW: № 00113345.

600. *Ceratophyllum submersum* L.

Hydrophyte, hydrophyte, HARCT, suburban zone, olygohemerob.

### Chenopodiaceae

601. *Atriplex hortensis* L. (*Atriplex hortense* L.)

Therophyte, mesophyte, IT, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob, CWU: s.n.

602. *Atriplex micrantha* C.A. Mey.

Therophyte, mesophyte, IT, kenophyte, ephemerophyte, akolutophyte, urban & suburban zones, eu-, mesohemerob, CWU: s.n.

603. *Atriplex patula* L.

Therophyte, mesophyte, EUR-SSIB, euapophyte, urban & suburban zones, mesohemerob.

604. *Atriplex prostrata* Boucher ex DC.

Therophyte, mesophyte, IT, kenophyte, archaeophyte, epocophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.

605. *Atriplex sagittata* Borkh. (*Atriplex nitens* Schkuhr)

Therophyte, submesophyte, IT, archaeophyte, epocophyte, akolutophyte, urban zones, polyhemerob, KW: № 00113398.

606. *Atriplex tatarica* L. (*Atriplex laciniata* L.)

Therophyte, mesophyte, MED-AS, kenophyte, epocophyte, akolutophyte, urban & suburban zones, eu-, mesohemerob, KW: № 00105889, 00105888.



607. *Bassia sedoides* (Pall.) Asch.

(*Sedobassia sedoides* (Pall.) Freitag & G. Kadereit)

Therophyte, subxerophyte, SUBMED, occasional apophyte, urban & suburban zones, euhemerob, CWU: s.n.

608. *Beta vulgaris* L.

Hemicryptophyte, mesophyte, EMED, kenophyte, ergasiophyte, ergasiophyte, suburban zone, mesohemerob.

609. *Ceratocarpus arenarius* L.

Therophyte, subxerophyte, EURAS, euapophyte, urban & suburban zones, euhemerob.

610. *Chenopodium hybridum* (L.) S. Fuentes, Uotila ex Borsch

(*Chenopodium hybridum* L.)

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.

611. *Chenopodium murale* (L.) S. Fuentes, Uotila ex Borsch (*Chenopodium murale* L.)

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

612. *Chenopodium acerifolium* Andrz.

Therophyte, mesophyte, EUR-SSIB, occasional apophyte, urban & suburban zones, euhemerob.

613. *Chenopodium album* L.

Therophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, eu-, mesohemerob, KW: № 00107599.

614. *Chenopodium opulifolium* Schrad. & DC.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.

615. *Corispermum hyssopifolium* L. s.l.

Therophyte, subxerophyte, MED, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.

616. *Kochia laniflora* (S.G. Gmel.) Borbas

Therophyte, subxerophyte, MEDIT, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

617. *Kochia prostrata* (L.) Schrad.

Hemicryptophyte, subxerophyte, EURAS, urban & suburban zones, mesohemerob, KW: № 00105887, 00105886.

618. *Kochia scoparia* (L.) Schrad.

Therophyte, subxerophyte, IT, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob, KW: № 00107604, KW: № 00107619.

619. *Lipandra polysperma* (L.) S. Fuentes, Uotila ex Borsch (*Chenopodium polyspermum* L.)

Therophyte, mesophyte, IT, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

620. *Oxybasis glauca* (L.) S. Fuentes, Uotila ex Borsch (*Chenopodium glaucum* L.)  
Therophyte, mesophyte, IT, hemiapophyte, urban & suburban zones,  
mesohemerob, CWU: s.n.
621. *Oxybasis rubra* (L.) S. Fuentes, Uotila ex Borsch (*Chenopodium rubrum* L.)  
Therophyte, subxerophyte, CEUR, kenophyte, epoecophyte, xenophyte,  
urban & suburban zones, eu-, mesohemerob.
622. *Oxybasis x schulzeana* (Murr) Mosyakin  
(*Chenopodium x schulzeanum* Murr)  
Therophyte, mesophyte, urban & suburban zones.
623. *Oxybasis urbica* (L.) S. Fuentes, Uotila ex Borsch (*Chenopodium  
urbicum* L.)  
Therophyte, mesophyte, IT, euapophyte, urban zones, euhemerob, CWU: s.n.
624. *Salsola tragus* L. (*Kali tragus* (L.) Scop.)  
Therophyte, xerophyte, HARCT, euapophyte, urban & suburban zones,  
mesohemerob, KW: № 00107605.

### Convolvulaceae (excl. Cuscutaceae)

625. *Calystegia sepium* (L.) R. Br.  
Hemicryptophyte, mesophyte, WEUR-AS, suburban zones, mesohemerob,  
CWU: s.n.
626. *Convolvulus arvensis* L.  
Hemicryptophyte subxerophyte, WEUR-AS, euapophyte, urban & suburban  
zones, eu-, meso-, polyhemerob, CWU: s.n.
627. *Ipomoea hederacea* (L.) Jacq.  
Therophyte, mesophyte, CAM, kenophyte, ephemerophyte, ergasiophyte,  
urban & suburban zones, eu-, mesohemerob, KW: № 00107617, 00107618.
628. *Ipomoea purpurea* (L.) Roth  
Therophyte, mesophyte, SAM, kenophyte, ephemerophyte, ergasiophyte,  
urban & suburban zones, eu-, mesohemerob, KW: № 00107548, 00107557,  
00107558.

### Cornaceae

629. *Cornus mas* L.  
Phanerophyte, submesophyte, MED, kenophyte, ergasiophyte, ergasiophyte,  
suburban zone, olygohemerob.
630. *Swida sanguinea* (L.) Opiz (*Cornus sanguinea* L.)  
Phanerophyte, mesophyte, EUR, urban & suburban zones, olygohemerob.
631. *Swida sericea* (L.) Holub. (*Swida stolonifera* (Michx.) Rydb.)  
Phanerophyte, mesophyte, NAM, kenophyte, epoecophyte, ergasiophyte,  
suburban zone, eu-, mesohemerob.

### Corylaceae

632. *Carpinus betulus* L.

Phanerophyte, submesophyte, WEUR, suburban zone, olygohemerob, CWU: s.n.

633. *Coryllus avellana* L.

Phanerophyte, submesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

### Crassulaceae

634. *Hylotelephium argutum* (Haw.) Holub.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

635. *Hylotelephium argutum* (Haw.) Holub. x *Hylotelephium triphyllum* (Haw.) Holub. (*Sedum purpureum* auct. non (L.) Schult.)

Hemicryptophyte, subxerophyte, suburban zone, mesohemerob, KW: № 00105921, 00107552.

636. *Hylotelephium maximum* (L.) Holub. (*Sedum maximum* (L.) Hoffm.)

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, urban & suburban zones, mesohemerob.

637. *Hylotelephium polonicum* (Blocki.) Holub.

(*Sedum ruprechtii* (Jalas.) Omeler.)

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, olygohemerob.

638. *Sedum acre* L.

Chamaephyte, mesophyte, EUR, occasional apophyte, suburban zone, olygohemerob, KW: № 00106527.

639. *Sedum spurium* M. Bieb.

Hemicryptophyte, submesophyte, EMED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

640. *Sempervivum ruthenicum* Schnittsp. ex C.B. Lehn.

Chamaephyte, subxerophyte, EUR, suburban zone, olygohemerob, RR.

### Cucurbitaceae

641. *Brionia alba* L.

Geophyte, mesophyte, MED-IT, kenophyte, akolutophyte, agriophyte, urban zone, euhemerob, KW: № 00112044.

642. *Bryonia dioica* Jacq.

Geophyte, submesophyte, MED-IT, archeophyte, akolutophyte, agriophyte, urban zone, euhemerob.

643. *Citrullus lanatus* (Thunb.) Matsum. ex Nakai.

Therophyte, mesophyte, AF-AS, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, KW: № 00105868.

644. *Cucurbita pepo* L.

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.

645. *Echinocystis lobata* (Michx.) Torr. ex A. Gray  
Therophyte, mesophyte, NAM, kenophyte, agriophyte, ergasiophyte,  
urban zone, eu-, polyhemerob, KW: № 00113423.

### Cuscutaceae

646. *Cuscuta approximata* Bab.

Therophyte, submesophyte, WEUR, euapophyte, urban & suburban zones,  
eu-, mesohemerob.

647. *Cuscuta campestris* Yunck.

Therophyte, mesophyte, NAM, kenophyte, epoecophyte, akolutophyte,  
urban & suburban zones, eu-, mesohemerob, CWU: s.n.

648. *Cuscuta epilinum* Weihe.

Therophyte, submesophyte, HARCT, archeophyte, akolutophyte, epoecophyte,  
urban & suburban zones, eu-, mesohemerob, CWU: s.n.

649. *Cuscuta epithymum* (L.) L.

Therophyte, submesophyte, HARCT, euapophyte, urban & suburban zones,  
eu-, mesohemerob.

650. *Cuscuta lupuliformis* Krock.

Therophyte, mesophyte, EURAS, euapophyte, urban & suburban zones,  
eu-, mesohemerob.

### Dipsacaceae

651. *Dipsacus sativus* (L.) Honck.

Hemicryptophyte, submesophyte, SUBMED, kenophyte, ergasiophyte,  
ergasiophyte, suburban zone, mesohemerob, CWU: s.n.

652. *Dipsacus strigosus* Willd. ex Roem. ex Schult.

Hemicryptophyte, mesophyte, SUBMED, occasional apophyte, suburban zone,  
mesohemerob, RR.

653. *Dipsacus sylvestris* Huds.

Hemicryptophyte, submesophyte, WEUR-AS, suburban zone, olygohemerob.

654. *Knautia arvensis* (L.) Coult.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban  
zones, meso-, euhemerob, CWU: s.n.

655. *Scabiosa ochroleuca* L.

Hemicryptophyte, subxerophyte, NOM, suburban zone, meso-, euhemerob,  
KW: № 00105866.

### \*Droseraceae

\**Drosera rotundifolia* L.

Hemicryptophyte, hygrophyte, Hg, CWU (Lavrenko, 1918; Tzvelev, 1952).

**Elaeagnaceae**

656. *Elaeagnus angustifolia* L.

Phanerophyte, mesophyte, MED, kenophyte, agriophyte, ergasiophyte, suburban zone, oligohemerob, CWU: s.n.

657. *Hippophaë rhamnoides* L.

Phanerophyte, submesophyte, EMED-AS, kenophyte, ergasiophyte, epoecophyte urban & suburban zones, oligohemerob, CWU: s.n.

**\*Ericaceae**

\**Oxycoccus palustris* Pers.

Phanerophyte, hyhgommesophyte, Pal, Nalyvaiko (1898).

**Euphorbiaceae**

658. *Euphorbia agraria* M. Bieb.

Hemicryptophyte, submesophyte, NOM, euapophyte, urban & suburban zones, mesohemerob.

659. *Euphorbia cyparissias* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, mesohemerob.

660. *Euphorbia davidii* Subilis (*E. dentata* auct.)

Hemicryptophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban zone, polyhemerob, KW: № 00105862, 0010586, 00105860.

661. *Euphorbia falcata* L.

Therophyte, submesophyte, MED-CAS, archeophyte, akolutophyte, epoecophyte, urban & suburban zones, mesohemerob.

662. *Euphorbia glareosa* Pall. ex M. Bieb.

Hemicryptophyte, xerophyte, MED, urban & suburban zones, euhemerob.

663. *Euphorbia marginata* Pursh

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ephemerophyte, urban & suburban zones, euhemerob, KW: № 00105880.

664. *Euphorbia palustris* L.

Hemicryptophyte, submesophyte, HARCT, suburban zone, oligohemerob.

665. *Euphorbia peplus* L.

Therophyte, mesophyte, MED, archaeophyte, xenophyte, epoecophyte, urban & suburban zones, euhemerob.

666. *Euphorbia seguieriana* Neck.

Hemicryptophyte, submesophyte, EUR, urban & suburban zones, euhemerob, KW: № 00113380.

667. *Euphorbia semivillosa* Prokh.

Hemicryptophyte, submesophyte, EUR, urban & suburban zones, euhemerob, CWU: s.n.

668. *Euphorbia virgata* Waldst. ex Kit.

Hemicryptophyte, submesophyte, EUR, urban & suburban zones, euhemerob, CWU: s.n.

669. *Mercurialis perennis* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, mesohemerob.

### Fabaceae

670. *Amorpha fruticosa* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

671. *Astragalus austriacus* Jacq.

Hemicryptophyte, submesophyte, EUR, suburban zone, mesohemerob.

672. *Astragalus cicer* L.

Hemicryptophyte, submesophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemerob, KW: № 00112043.

673. *Astragalus danicus* Retz.

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zone, meso-, euhemerob, CWU: s.n.

674. *Astragalus glycyphyllos* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, meso-, euhemerob, CWU: s.n.

675. *Astragalus onobrychis* L.

Hemicryptophyte, subxerophyte, EUR-SSIB, suburban zone, meso-, euhemerob, KW: № 00107596.

676. *Astragalus varius* S.G. Gmel.

Chamaephyte, xerophyte, EURAS, urban & suburban zones, mesohemerob.

677. *Caragana arborescens* Lam.

Phanerophyte, mesophyte, AS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

678. *Caragana frutex* (L.) K. Koch.

Phanerophyte, submesophyte, WEUR-AS, suburban zone, olygohemerob.

679. *Chamaecytisus austriacus* (L.) Link

Phanerophyte, mesophyte, WNOM, suburban zone, meso-, euhemerob.

680. *Chamaecytisus borysthenticus* (Grun.) Klaskova

Phanerophyte, mesophyte, EEUR, suburban zone, olygohemerob.

681. *Chamaecytisus lindemannii* (V. Krecz.) Klaskova

Phanerophyte, mesophyte, EURAS, suburban zone, olygohemerob.

682. *Chamaecytisus ruthenicus* (Fisch. ex Wol.) Klaskova (*Cytisus ruthenicus* Fisch.)

Phanerophyte, mesophyte, EEUR, suburban zone, meso-, euhemerob, CWU: s.n.

683. *Genista tinctoria* L.

Phanerophyte, mesophyte, EUR-WSIB, suburban zone, meso-, euhemerob, CWU: s.n.

684. *Lathyrus niger* (L.) Bernh. (*Orobis niger* L.)

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob.

685. *Lathyrus pallescens* (M. Bieb.) K. Koch.

Hemicryptophyte, mesophyte, WNOM, suburban zone, olygohemerob.

686. *Lathyrus palustris* L.

Hemicryptophyte, mesophyte, BOREAL, suburban zone, olygohemerob.

687. *Lathyrus pannonicus* (Jacq.) Garcke.

Hemicryptophyte, mesophyte, NOM, suburban zone, olygohemerob.

688. *Lathyrus pisiformis* L.

Hemicryptophyte, mesophyte, EEUR-SSIB, urban & suburban zones, meso-, euhemerob.

689. *Lathyrus pratensis* L.

Hemicryptophyte, mesophyte, EURAS, occasional apophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

690. *Lathyrus sativus* L.

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob.

691. *Lathyrus sylvestris* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

692. *Lathyrus tuberosus* L.

Hemicryptophyte, submesophyte, MED-CAS, archeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

693. *Lathyrus vernus* (L.) Bernh.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob.

694. *Lotus ucrainicus* Klokov (*Lotus corniculatus* L.)

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

695. *Lupinus varius* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, KW: № 00102586.

696. *Medicago falcata* L. aggr. (*Medicago procumbens* Besser)

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00112051.

697. *Medicago lupulina* L.

Hemicryptophyte, mesophyte, EUR, euapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106516.

698. *Medicago romanica* Prod.

Hemicryptophyte, mesophyte, EUR, urban & suburban zones, meso-, euhemerob, CWU: s.n.

699. *Medicago sativa* L.

Hemicryptophyte, mesophyte, AS, kenophyte, epocophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, KW: № 00106505.

700. *Medicago x varia* T. Martyn (*Medicago sativa* x *Medicago falcata*)

Hemicryptophyte, mesophyte, HARCT, urban & suburban zones, meso-, euhemerob, CWU: s.n.

701. *Melilotus albus* Medik.

Hemicryptophyte, mesophyte, EUR-WAS, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

702. *Melilotus officinalis* (L.) Pall.

Hemicryptophyte, mesophyte, EUR-WAS, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105908, 00106503.

703. *Onobrychis arenaria* (Kit.) DC.

Hemicryptophyte, subxerophyte, NOM, suburban zone, olygohemerob.

704. *Onobrychis tanaitica* Spreng.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob.

705. *Onobrychis vicifolia* Scop.

Hemicryptophyte, mesophyte, SEUR, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

706. *Ononis arvensis* L.

Hemicryptophyte, mesophyte, EUR-WAS, hemiapophyte, suburban zone, mesohemerob.

707. *Oxytropis pilosa* (L.) DC. (*Astragalus pilosus* L.)

Hemicryptophyte, subxerophyte, WEUR, suburban zone, olygohemerob.

708. *Robinia pseudoacacia* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

709. *Robinia neomexicana* A. Gray

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

710. *Securigera varia* (L.) Lassen (*Coronilla varia* L.)

Hemicryptophyte, mesophyte, WNOM, occasional apophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

711. *Trifolium alpestre* L.

Hemicryptophyte, submesophyte, EUR, urban & suburban zones, meso-, euhemerob, KW: № 00107592.

712. *Trifolium arvense* L.

Therophyte, mesophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemero, CWU: s.n.

713. *Trifolium aureum* Pollich (*Trifolium strepens* Crantz)

Therophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, olygohemerob.



714. *Trifolium campestre* Schreb.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

\**Trifolium dubium* Sibth.

Therophyte, mesophyte, Pr, CWU (Tzvelev, 1949).

715. *Trifolium fragiferum* L.

Hemicryptophyte, mesophyte, WEUR-AS, occasional apophyte, suburban zone, olygohemerob, KW: № 00106526.

716. *Trifolium hybridum* L.

Hemicryptophyte, mesophyte, MED, kenophyte, ergasiophyte, akolutophyte, urban & suburban zones, meso-, euhemerob, KW: № 00112050.

717. *Trifolium medium* L.

Hemicryptophyte, mesophyte, EUR-WSIB, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

718. *Trifolium montanum* L.

Hemicryptophyte, mesophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

719. *Trifolium pratense* L.

Hemicryptophyte, mesophyte, BOREAL, urban & suburban zones, meso-, euhemerob, CWU: s.n.

720. *Trifolium repens* L.

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

721. *Vicia angustifolia* Reichard.

Therophyte, mesophyte, WEUR-AS, kenophyte, agriophyte, akolutophyte, suburban zones, meso-, olygohemerob.

722. *Vicia cracca* L.

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, urban & suburban zones meso-, euhemerob, CWU: s.n.

723. *Vicia hirsuta* (L.) S.F. Grey.

Therophyte, mesophyte, WMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, olygohemerob.

724. *Vicia pisiformis* L.

Hemicryptophyte, mesophyte, EEUR, urban & suburban zones, meso-, euhemerob, CWU: s.n.

725. *Vicia sativa* L.

Therophyte, mesophyte, MED-AF-AS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones meso-, euhemerob.

726. *Vicia sepium* L.

Hemicryptophyte, mesophyte, BOREAL, hemiapophyte, urban & suburban zones meso-, euhemerob, CWU: s.n.

727. *Vicia tenuifolia* Roth

Hemicryptophyte, mesophyte, NOM, hemiapophyte, urban & suburban zones, meso-, euhemerob.

728. *Vicia tetrasperma* (L.) Schreb.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, euhemerob.

729. *Vicia villosa* Roth

Hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, olygohemerob.

### Fagaceae

730. *Quercus robur* L.

Phanerophyte, submesophyte, EUR, urban & suburban zones, olygohemerob.

731. *Quercus rubra* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, olygohemerob.

### Fumariaceae

732. *Corydalis marschalliana* (Pall. ex Willd.) Pers.

Geophyte, mesophyte, EUR, suburban zones, olygohemerob, CWU: s.n. 733.

*Corydalis solida* (L.) Clairv.

Geophyte, mesophyte, NOM, suburban zone, mesohemerob, KW: № 00106510.

734. *Fumaria officinalis* L.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, CWU: s.n.

735. *Fumaria parviflora* Lam.

Therophyte, mesophyte, MED, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, KW: № 00105884, 00105883.

736. *Fumaria schleicheri* Soy.-Willem.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

737. *Fumaria vaillantii* Loisel.

Therophyte, subxerophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

### Gentianaceae

738. *Centaurium erythraea* Rafn.

Hemicryptophyte, subxerophyte, WEUR-AS, suburban zone, olygohemerob, RR, CWU: s.n.

739. *Centaureum pulchellum* (Sw.) Druce

Therophyte, submesophyte, WEUR-AS, suburban zone, olygohemerob, RR.

740. *Gentiana cruciata* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob, RR.

### Geraniaceae

741. *Erodium cicutarium* (L.) L'Her.

Therophyte, subxerophyte, SUBMED, hemiapophyte, urban & suburban zones, meso-, euhemerob.

742. *Geranium collinum* Steph.

Hemicryptophyte, mesophyte, HARCT, suburban zones, meso-, euhemerob, KW: № 00113385.

743. *Geranium divaricatum* Ehrh.

Therophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, meso-, euhemerob.

744. *Geranium palustre* L.

Hemicryptophyte, mesophyte, EEUR, urban & suburban zones, olygo-, mesohemerob, KW: № 00107555, 00107556.

745. *Geranium pratense* L.

Hemicryptophyte, mesophyte, EURAS, occasional apophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

746. *Geranium pusillum* L.

Hemicryptophyte, mesophyte, EMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

747. *Geranium robertianum* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

748. *Geranium rotundifolium* L.

Hemicryptophyte, submesophyte, EMED, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, mesohemerob.

749. *Geranium sanguineum* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

### Grossulariaceae

750. *Grossularia uva-crispa* (L.) Mill. subsp. *reclinata* (L.) Dostál (**Ribes reclinatum** L.)

Phanerophyte, mesophyte, WEUR, suburban zone, olygo-, mesohemerob.

751. *Ribes nigrum* L.

Phanerophyte, submesophyte, BOREAL, suburban zone, olygo-, mesohemerob.

### Haloragaceae

752. *Myriophyllum verticillatum* L.

Geophyte, hydrophyte, HARCT, suburban zone, olygo-, mesohemerob, CWU: s.n.

### Hippocastanaceae

753. *Aesculus hippocastanum* L.

Phanerophyte, subxerophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

754. *Aesculus octandra* Marsh.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob.

### Hydrangeaceae

755. *Philadelphus coronarius* L.

Phanerophyte, submesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

### Hydrophyllaceae

756. *Phacelia tanacetifolia* Benth.

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, suburban zone, meso-, euhemerob.

### Hypericaceae

757. *Hypericum hirsutum* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, mesohemerob.

758. *Hypericum perforatum* L.

Hemicryptophyte, mesophyte, EUR, occasional apophyte, suburban zone, euhemerob, KW: № 00107581.

### Juglandaceae

759. *Juglans nigra* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

760. *Juglans regia* L.

Phanerophyte, submesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

**Lamiaceae**

761. *Acinos arvensis* (Lam.) Dandy (*Calamintha acinos* (L.) Clairv.)

Hemicryptophyte, submesophyte, NOM, occasional apophyte, urban & suburban zones, mesohemerob, , KW: № 00106513.

762. *Ajuga chia* Schreb.

Hemicryptophyte, subxerophyte, EEUR, suburban zones, mesohemerob, CWU: s.n.

763. *Ajuga genevensis* L.

Hemicryptophyte, mesophyte, EEUR, occasional apophyte, suburban zone, mesohemerob, KW: № 00112053.

764. *Ajuga glabra* C. Presl.

Hemicryptophyte, xerophyte, EUR, hemiapophyte, suburban zone mesohemerob.

765. *Ajuga reptans* L.

Hemicryptophyte, mesophyte, EUR, occasional apophyte, suburban zone, mesohemerob.

766. *Ballota nigra* L. (*Ballota ruderalis* Sw.)

Hemicryptophyte, mesophyte, EMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105899, 00105898.

767. *Betonica officinalis* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

768. *Chaiturus marrubiastrum* (L.) Rchb. (*Leonorus marrubiastrum* L.)

Hemicryptophyte, submesophyte, SUBMED, hemiapophyte, urban & suburban zones, olygohemerob.

769. *Clinopodium vulgare* L. (*Calamintha clinopodium* Benth.)

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

770. *Dracocephalum ruyschiana* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, olygohemerob, RDBU.

771. *Dracocephalum thymiflorum* L.

Hemicryptophyte, subxerophyte, EAS, kenophyte, ergasiophyte, akolutophyte, urban & suburban zones, mesohemerob.

772. *Galeopsis bifida* Boenn.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, mesohemerob.

773. *Galeopsis ladanum* L.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, suburban zone, mesohemerob.

\**Galeopsis tetrahit* L.

Therophyte, xeromesophyte, Syl, Nalyvaiko (1898).

774. *Glechoma hederacea* L.

Hemicryptophyte, mesophyte, EURAS, occasional apophyte, urban & suburban zones, mesohemerob, CWU: s.n.

775. *Glechoma hirsuta* Waldst. ex Kit.

Hemicryptophyte, mesophyte, SUBMED, urban & suburban zones, mesohemerob, CWU: s.n.

776. *Hyssopus officinalis* L.

Hemicryptophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, suburban zone, meso-, eu-, polyhemerob, CWU: s.n.

777. *Lamium amplexicaule* L.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, suburban zone, mesohemerob.

778. *Lamium maculatum* (L.) L.

Therophyte, mesophyte, EEUR, hemiapophyte, suburban zone, meso-, euhemerob, CWU: s.n.

779. *Lamium purpureum* L.

Hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, mesohemerob, CWU: s.n.

780. *Leonurus cardiaca* L.

Hemicryptophyte, submesophyte, MED-IT, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

781. *Leonurus villosus* Desf. ex D'Urv.

(*Leonurus quinquelobatus* Gilib. ex Usteri.)

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob.

782. *Lycopus europaeus* L.

Hemicryptophyte, hygrophyte, EUR, occasional apophyte, suburban zone, mesohemerob, KW: № 00107595.

783. *Lycopus exaltatus* L.

Hemicryptophyte, mesophyte, NOM, occasional apophyte, suburban zone, mesohemerob, KW: № 00106524.

784. *Marrubium vulgare* L.

Hemicryptophyte, subxerophyte, MED, archaeophyte, epoecophyte, ergasiophyte, suburban zone, olygohemerob.

785. *Mentha aquatica* L.

Hemicryptophyte, hygrophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

786. *Mentha arvensis* L.

Hemicryptophyte, hygrophyte, EUR, occasional apophyte, suburban zone, olygohemerob, CWU: s.n.

787. *Mentha longifolia* (L.) Huds.

Hemicryptophyte, mesophyte, EURAS, suburban zone, olygo-, mesohemerob, CWU: s.n.

788. *Nepeta cataria* L.

Hemicryptophyte, mesophyte, EMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, mesohemerob.

789. *Nepeta pannonica* L. (*Nepeta nuda* L.)

Hemicryptophyte, submesophyte, NOM, occasional apophyte, suburban zone, mesohemerob.

790. *Origanum vulgare* L.

Hemicryptophyte, mesophyte, EUR-SSIB, suburban zone, meso-, eu-, polyhemerob, CWU: s.n.

791. *Phlomis pungens* Willd.

Geophyte, subxerophyte, NOM, suburban zone, mesohemerob, CWU: s.n.

792. *Phlomis tuberosa* L. (**Phlomoides tuberosa** (L.) Moench)

Geophyte, submesophyte, NOM, suburban zone, mesohemerob, CWU: s.n.

793. *Prunella vulgaris* L.

Hemicryptophyte, mesophyte, HARCT, occasional apophyte, urban & suburban zones, mesohemerob, CWU: s.n.

794. *Salvia nemorosa* L.

Hemicryptophyte, submesophyte, NOM, urban & suburban zones, meso-, euhemerob, KW: № 00106574, 00106575.

795. *Salvia nutans* L.

Hemicryptophyte, subxerophyte, NOM, occasional apophyte, suburban zone, olygohemerob, RR.

796. *Salvia pratensis* L. s.l.

Hemicryptophyte, mesophyte, EUR, suburban zone, mesohemerob, RR, CWU: s.n.

797. *Salvia verticillata* L.

Hemicryptophyte, subxerophyte, SUBMED, suburban zone, meso-, euhemerob,

KW: № 00105882, 00105881, 00106515.

798. *Scutellaria galericulata* L.

Hemicryptophyte, submesophyte, HARCT, suburban zone, mesohemerob.

799. *Scutellaria hastifolia* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, mesohemerob.

800. *Sideritis montana* L.

Therophyte, subxerophyte, MED, hemiapophyte, suburban zone, euhemerob.

801. *Stachys annua* (L.) L.

Hemicryptophyte, mesophyte, WMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113388.

802. *Stachys palustris* L.

Hemicryptophyte, submesophyte, HARCT, hemiapophyte, suburban zone, mesohemerob, CWU: s.n.

803. *Stachys recta* L.

Hemicryptophyte, mesophyte, NOM, suburban zone, mesohemerob, CWU: s.n.

804. *Stachys sylvatica* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

805. *Teucrium scordium* L.

Hemicryptophyte, xerophyte, EUR, suburban zone, olygohemerob.

806. *Thymus marschallianus* Willd.

Chamaephyte, subxerophyte, NOM, suburban zone olygohemerob, CWU: s.n.

807. *Thymus pallasianus* Heinr. Braun

Chamaephyte, xerophyte, EUR, suburban zone, olygohemerob.

808. *Thymus serpyllum* L.

Chamaephyte, submesophyte, EUR, suburban zone, olygohemerob.

### Linaceae

809. *Linum catharticum* L.

Therophyte, subxerophyte, EUR-SSIB, suburban zone, olygohemerob.

810. *Linum flavum* L.

Hemicryptophyte, submesophyte, EEUR, suburban zone, olygohemerob, KW: № 00112038, 00112039, RR.

811. *Linum perenne* L.

Hemicryptophyte, xerophytes, EUR-SSIB, suburban zone, olygohemerob.

812. *Linum usitatissimum* L.

Therophyte, mesophyte, AS, archaeophyte, ephemero-phyte, ergasiophyte, urban zone, mesohemerob.

813. *Radiola linoides* Roth

Therophyte, subxerophytes, WEUR-AS, suburban zone, olygohemerob.

### Lythraceae

814. *Lythrum hyssopifolia* L.

Hemicryptophyte, submesophyte, EURAS, suburban zone, mesohemerob.

815. *Lythrum salicaria* L.

Hemicryptophyte, submesophyte, EURAS, hemiapophyte, suburban zone, mesohemerob, KW: № 00113386, 00113384.

816. *Lythrum virgatum* L.

Hemicryptophyte submesophyte, EUR-SSIB, suburban zone, mesohemerob, KW: № 00112040.

### Malvaceae

817. *Abutilon theophrasti* Medik.

Therophyte, mesophyte, MED-AS, kenophyte, epoecophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob.

818. *Alcea rosea* L.

Hemicryptophyte, mesophyte, EUR, kenophyte, ephemero-phyte, ergasiophyte, urban zone, meso-, euhemerob, KW: № 00107591.



819. *Althaea officinalis* L.

Hemicryptophyte, mesophyte, IT, archaeophyte, epoecophyte, akolutophyte, suburban zone, mesohemerob, KW: № 00113352.

820. *Hibiscus trionum* L.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, xenophyte, urban & suburban zones, euhemerob.

821. *Lavatera thuringiaca* L. (*Malva thuringiaca* Vis.)

Hemicryptophyte, mesophyte, NOM, hemiapophyte, urban zone, meso-, euhemerob, CWU: s.n.

822. *Malva crispa* (L.) L.

Hemicryptophyte, mesophyte, EAS, kenophyte, ephemerophyte, ergasiophyte, suburban zone, euhemerob.

823. *Malva mauritiana* L.

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, akolutophyte, urban zone, euhemerob.

824. *Malva neglecta* Wallr.

Hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, akolutophyte, urban zone, euhemerob, CWU: s.n.

825. *Malva pusilla* Smith.

Hemicryptophyte, mesophyte, EAS, archaeophyte, epoecophyte, akolutophyte, urban zone, euhemerob, KW: № 00107536, 00107537.

826. *Malva sylvestris* L.

Hemicryptophyte, mesophyte, MED, archaeophyte, epoecophyte, ergasiophyte, urban zone, euhemerob.

827. *Malva verticillata* L.

Therophyte, mesophyte, AS, kenophyte, ephemerophyte, ergasiophyte, urban zone, euhemerob.

828. *Malvella sherardiana* (L.) Jaub. ex Spach

Hemicryptophyte, mesophyte, MED, kenophyte, epoecophyte, akolutophyte, urban & suburban zones, meso-, euhemerob.

### Molluginaceae

829. *Mollugo cerviana* (L.) Ser.

Therophyte, submesophyte, WEUR-AS, suburban zone, olygohemerob.

### Monotropaceae

830. *Monotropa hypopitys* L.

Geophyte, mesophyte, HARCT, suburban zone, ahemerob.

### Moraceae

831. *Morus alba* L.

Phanerophyte, submesophyte, EAS, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zone, meso-, euhemerob, CWU: s.n.

832. *Morus nigra* L.

Phanerophyte, mesophyte, WAS, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zone, meso-, euhemerob, CWU: s.n.

### Nyctaginaceae

833. *Oxybaphus nyctagineus* (Michx.) Sweet. (*Mirabilis nyctaginea* (Michx.) MacMill.)

Hemicryptophyte, geophytes, NAM, mesophyte, kenophyte, epoecophyte, xenophyte, urban zone, euhemerob, KW: № 00106573.

### Nymphaeaceae

834. *Nuphar lutea* (L.) Smith.

Hydrophyte, hydrophyte, WEUR, suburban zone, mesohemerob, RR, CWU: s.n.

### Oleaceae

835. *Fraxinus excelsior* L.

Phanerophyte, mesophyte, EUR, urban & suburban zones, olygo-, mesohemerob, KW: № 00113419.

836. *Fraxinus pennsylvanica* Marshall

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob. CWU: s.n.

837. *Ligustrum vulgare* L.

Phanerophyte, mesophyte, SUBMED, kenophyte, ergasiophyte, ergasiophyte, urban zone, mesohemerob, CWU: s.n.

838. *Syringa josikaea* Jacq.

Phanerophyte, mesophyte, EMED, kenophyte, ergasiophyte, ergasiophyte, urban zone, mesohemerob, CWU: s.n.

839. *Syringa vulgaris* L.

Phanerophyte, submesophyte, EMED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

### Onagraceae

840. *Chamerion angustifolium* (L.) Holub

Hemicryptophyte, mesophyte, BOREAL, occasional apophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105848, 00105847.

841. *Epilobium hirsutum* L.

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, olygohemerob, CWU: s.n.

842. *Epilobium montanum* L.

Hemicryptophyte, mesophyte, EUR, occasional apophyte, urban & suburban zones, mesohemerob.

843. *Epilobium parviflorum* Schreb.

Hemicryptophyte, subxerophyte, WEUR-AS, occasional apophyte, urban & suburban zones, oligohemerob, KW: № 00112054.

844. *Epilobium roseum* Schreb.

Hemicryptophyte, subxerophyte, EUR, suburban zone, oligohemerob, CWU: s.n.

845. *Epilobium tetragonum* L.

Hemicryptophyte, subxerophyte, WEUR-AS, occasional apophyte, suburban zone, mesohemerob.

846. *Oenothera biennis* L.

Hemicryptophyte, mesophyte, NAM, kenophyte, xenophyte, agriophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00107554, 00107613, 00107614, 00107615, 00112056.

847. *Oenothera rubricaulis* Klebahn.

Hemicryptophyte, mesophyte, WEUR, kenophyte, xenophyte, epoecophyte, urban & suburban zones, oligohemerob, CWU: s.n.

848. *Oenothera suaveolens* Desf. ex Pers.

Hemicryptophyte, mesophyte, WEUR, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

849. *Oenothera villosa* Thunb. (*Oenothera depressa* E. Greene, *Oe. salicifolia* Desf. ex G. Don.)

Hemicryptophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

**Orobanchaceae s. str.**850. *Orobanche alba* Steph. (*Orobanche epithimum* DC.)

Hemicryptophyte, mesophyte, SUBMED, suburban zone, oligohemerob.

851. *Orobanche cumana* Wallr.

Hemicryptophyte, mesophyte, EMED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, mesohemerob.

**Oxalidaceae**852. *Xanthoxalis corniculata* (L.) Small. (*Oxalis corniculata* L.)

Geophyte, mesophyte, MED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob.

853. *Xanthoxalis dillenii* (Jacq.) Holub. (*Oxalis dillenii* Jacq.)

Geophyte, mesophyte, MED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

854. *Xanthoxalis stricta* (L.) Small. (*Xanthoxalis fontana* (Bunge.) Holub.)

Geophyte, mesophyte, NAM, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00107607.

### Paeoniaceae

855. *Paeonia tenuifolia* L.

Hemicryptophyte, mesophyte, NOM, suburban zone, oligohemerob, RR.

### Papaveraceae

856. *Chelidonium majus* L.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban zone, euhemerob, CWU: s.n.

857. *Glaucium corniculatum* (L.) J. Rudolph.

Therophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113374.

858. *Papaver rhoeas* L.

Therophyte, mesophyte, MED, archaeophyte, epoecophyte, ergasiophyte, urban & suburban zones, euhemerob.

859. *Papaver somniferum* L.

Therophyte, submesophyte, MED, kenophyte, ephemerophyte, ergasiophyte, urban & suburban zones, euhemerob.

### Parnassiaceae

860. *Parnassia palustris* L.

Hemicryptophyte, hygromesophyte, EURAS, suburban zone, oligohemerob, RR.

### Plantaginaceae

861. *Plantago arenaria* Waldst. ex Kit. (*Plantago scabra* Moench, nom. illeg.)

Therophyte, subxerophyte, EUR-SSIB, occasional apophyte, suburban zones, mesohemerob.

862. *Plantago lanceolata* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105891.

863. *Plantago major* L.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob.

864. *Plantago media* L.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

865. *Plantago urvillei* Opiz (*Plantago stepposa* Kuprian.)

Hemicryptophyte, submesophyte, NOM, suburban zone, oligohemerob.

**Polemoniaceae**

866. *Phlox paniculata* L.

Hemicryptophyte, submesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban zone, mesohemerob.

867. *Polemonium caeruleum* L.

Hemicryptophyte, subxerophyte, BOREAL, suburban zone, olygohemerob, RR.

**Polygalaceae**

868. *Polygala comosa* Schkuhr

Hemicryptophyte, mesophyte, WEUR-AS, suburban zone, olygohemerob. 869.

*Polygala sibirica* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

**Polygonaceae**

870. *Bistorta officinalis* Delarbre (*Polygonum bistorta* L.)

Hemicryptophyte, hygromesophyte, BOREAL, suburban zone, olygohemerob, RR.

871. *Fagopyrum esculentum* Moench

Therophyte, submesophyte, EAS, kenophyte, ergasiophyte, ergasiophyte, suburban zone, mesohemerob, KW: № 00105867.

872. *Fallopia convolvulus* (L.) A. Love (*Polygonum convolvulus* L.)

Therophyte, mesophyte, AS, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob, KW: № 00105850, 00105849, 00105893.

873. *Fallopia dumetorum* (L.) Holub. (*Polygonum dumetorum* L.)

Therophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, mesohemerob.

874. *Persicaria amphibia* (L.) Delarbre (*Polygonum amphibium* L.)

Geophyte, hygrophyte, BOREAL, suburban zone, olygohemerob.

875. *Persicaria hydropiper* (L.) Delarbre (*Polygonum hydropiper* L.)

Therophyte, mesophyte, HARCT, euapophyte, urban zone, euhemerob, KW: № 00106523.

876. *Persicaria maculosa* S.F. Gray

Therophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, euhemerob, KW: № 00105909.

877. *Persicaria orientalis* (L.) Spach (*Polygonum orientale* L.)

Therophyte, mesophyte, S-EAS, kenophyte, ergasiophyte, ergasiophyte, suburban zones, euhemerob.

878. *Polygonum aviculare* L.

Therophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, euhemerob, KW: № 00105853.

879. *Polygonum arenarium* Waldst. ex Kit.

Therophyte, subxerophyte, BOREAL, suburban zone, olygohemerob.

880. *Polygonum propinquum* Ledeb.

Therophyte, xerophyte, IT, kenophyte, ephemerophyte, akolutophyte, urban & suburban zones, eu-, mesohemerob.

881. *Reynoutria japonica* Houtt. (*Polygonum cuspidatum* Siebold ex Zucc.)

Geophyte, mesophyte, EAS, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, KW: № 00105920, 00113391.

882. *Reynoutria* × *bohemica* Chrtek ex Chrtková

Geophyte, mesophyte, EAS, kenophyte, ergasiophyte, ergasiophyte, urban zone, euhemerob, CWU: s.n.

883. *Rumex acetosa* L.

Hemicryptophyte, submesophyte, HARCT, suburban zone, euhemerob, CWU: s.n.

884. *Rumex acetosella* L.

Hemicryptophyte, mesophyte, HARCT, euapophyte, suburban zone, meso-, euhemerob, KW: № 00106568, 00106569.

885. *Rumex confertus* Willd.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zone, meso-, euhemerob, KW: № 00112031, 00112032.

886. *Rumex crispus* L.

Hemicryptophyte, mesophyte, HARCT, euapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

887. *Rumex hydrolapathum* Huds.

Hemicryptophyte, hygromesophyte, EUR, suburban zone, olygohemerob, KW: №00113335.

### Portulacaceae

888. *Portulaca oleracea* L.

Therophyte, mesophyte, MED-CAS, archaeophyte, epocophyte, akolutophyte, urban zone, euhemerob, CWU: s.n.

### Primulaceae

889. *Androsace elongata* L.

Therophyte, subxerophyte, SUBMED, euapophyte, urban zone, euhemerob.

890. *Centunculus minimus* L. (*Anagallis minima* (L.) E.H.L. Krause.)

Therophyte, subxerophyte, BOREAL, suburban zone, meso-, euhemerob.

891. *Glaux maritima* L.

Hemicryptophyte, submesophyte, WEUR-AS, suburban zone, euhemerob, RR.

892. *Hottonia palustris* L.

Hemicryptophyte, submesophyte, WEUR-AS, suburban zone, euhemerob, RR.

893. *Lysimachia nummularia* L.

Chamaephyte, submesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

894. *Lysimachia vulgaris* L.

Hemicryptophyte, geophytes, hygrophyte, WEUR-AS, hemiapophyte, urban zone, mesohemerob.

895. *Primula veris* L. (*Primula officinalis* (L.) Hill.)

Hemicryptophyte, mesophyte, EUR, urban & suburban zones, mesohemerob, RR, CWU: s.n.

### Pyrolaceae

896. *Chimaphila umbellata* (L.) W. Barton (*Pyrola umbellata* L.)

Chamaephyte, mesophyte, BOREAL, suburban zone, olygohemerob.

897. *Moneses uniflora* (L.) A. Gray (*Pyrola uniflora* L.)

Chamaephyte, mesophyte, BOREAL, suburban zone, olygohemerob.

898. *Orthilia secunda* (L.) House (*Pyrola secunda* L.)

Chamaephyte, mesophyte, BOREAL, suburban zone, olygo-, mesohemerob.

899. *Pyrola minor* L.

Hemicryptophyte, chamaephyte, mesophyte, BOREAL, suburban zone, olygohemerob.

### Ranunculaceae

900. *Actea spicata* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob, RR.

901. *Anemone ranunculoides* L.

Geophyte, mesophyte, EUR, suburban zone, mesohemerob. KW: № 00106511.

902. *Anemone sylvestris* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, mesohemerob.

903. *Aquilegia vulgaris* L.

Hemicryptophyte, mesophyte, WEUR, kenophyte, ergasiophyte, akolutophyte, urban zone, mesohemerob.

904. *Batrachium circinatum* (Sibth.) Spach (***Ranunculus circinatus*** Sibth.)

Hydrophyte, hydrophyte, EURAS, hemiapophyte, urban & suburban zones, olygo-, meso-, eu-, polyhemerob.

\**Batrachium trichophyllum* (Chaix) Bosch (***Ranunculus trichophyllum*** Chaix ex Vill.)

Hydrophyte, hydrophyte, Nalyvaiko (1898).

905. *Caltha palustris* L.

Hemicryptophyte, hygromesophyte, BOREAL, suburban zone, mesohemerob.

906. *Ceratocephala testiculata* (Crantz) Besser

Therophyte, subxerophyte, WEUR, hemiapophyte, urban & suburban zones, polyhemerob.

907. *Clematis integrifolia* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, mesohemerob, RR, CWU: s.n.

908. *Clematis recta* L.

Hemicryptophyte, submesophyte, EEUR, hemiapophyte, suburban zone, mesohemerob, RR.

909. *Consolida ajacis* (L.) Schur

Therophyte, subxerophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob.

910. *Consolida regalis* S.F. Gray

Therophyte, subxerophyte, MED-CAS, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, polyhemerob, KW: № 00106567.

911. *Delphinium cuneatum* Stev. ex DC.

Hemicryptophyte, mesophyte, EEUR, suburban zone, mesohemerob, RR.

912. *Ficaria calthifolia* Reichenb. (*Ranunculus calthifolius* (Rchb.) Bluff, Nees ex Schauer.)

Hemicryptophyte, geophytes, EUR, suburban zone, mesohemerob, RR.

913. *Ficaria verna* Huds. (*Ranunculus ficaria* L.)

Hemicryptophyte, geophytes, EUR, euapophyte, suburban zone, mesohemerob, CWU: s.n.

914. *Myosurus minimus* L.

Therophyte, subxerophyte, BOREAL, euapophyte, urban & suburban zones, mesohemerob.

915. *Nigella arvensis* L.

Therophyte, mesophyte, EMED, archaeophyte, epoecophyte, akolutophyte, urban & suburban zones, euhemerob.

916. *Nigella damascena* L.

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob.

917. *Nigella sativa* L.

Therophyte, submesophyte, MED-CAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, euhemerob.

918. *Pulsatilla patens* (L.) Mill.

Hemicryptophyte, mesophyte, EEUR-SSIB, suburban zone, mesohemerob, RDBU.

919. *Pulsatilla pratensis* (L.) Mill. (*Pulsatilla nigricans* Stroock.)

Hemicryptophyte, mesophyte, WEUR, suburban zone, mesohemerob, RDBU.

920. *Ranunculus acris* L. (*Ranunculus acer* auct.)

Hemicryptophyte, submesophyte, SSIB, suburban zones, olygohemerob, CWU: s.n.

921. *Ranunculus auricomus* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, olygohemerob.



922. *Ranunculus cassubicus* L.

Hemicryptophyte, mesophyte, EUR, suburban zone, olygohemerob.

923. *Ranunculus flammula* L.

Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zone, mesohemerob.

924. *Ranunculus illyricus* L.

Geophyte, subxerophyte, NOM, suburban zone, olygohemerob, RR.

925. *Ranunculus pedatus* Waldst. ex Kit.

Hemicryptophyte, geophytes, EUR, suburban zones, olygohemerob.

926. *Ranunculus polyanthemos* L.

Hemicryptophyte, submesophyte, NOM, occasional apophyte, urban zone, mesohemerob, CWU: s.n.

927. *Ranunculus polyphyllus* Waldst. ex Kit. ex Willd.

Hydrophyte, hydrophyte, BOREAL, suburban zones, olygohemerob.

928. *Ranunculus repens* L.

Hemicryptophyte, submesophyte, EURAS, euapophyte, urban & suburban zones, euhemerob.

929. *Ranunculus sceleratus* L.

Therophyte, submesophyte, BOREAL, occasional apophyte, urban & suburban zones, euhemerob, KW: № 00105926, 00105924, 00105923, 00105919.

930. *Thalictrum flavum* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, mesohemerob.

931. *Thalictrum minus* L.

Hemicryptophyte, submesophyte, EURAS, occasional apophyte, urban & suburban zones, mesohemerob.

932. *Thalictrum simplex* L.

Hemicryptophyte, mesophyte, EURAS, suburban zone, mesohemerob, RR.

### Resedaceae

933. *Reseda lutea* L.

Hemicryptophyte, mesophyte, MED, archaeophyte, epocophyte, akolutophyte, urban zone, euhemerob, KW: № 00105913.

### Rhamnaceae

934. *Frangula alnus* Mill. (*Rhamnus frangula* L.)

Phanerophyte, submesophyte, EUR-SSIB, suburban zone, olygo-, mesohemerob, CWU: s.n.

935. *Rhamnus cathartica* L.

Phanerophyte, submesophyte, EUR, suburban zone, olygo-, mesohemerob, CWU: s.n.

## Rosaceae

936. *Agrimonia eupatoria* L.

Hemicryptophyte, mesophyte, NOM, hemiapophyte, suburban zone, meso-, euhemerob, KW: № 00105914.

937. *Alchemilla acutiloba* Opiz (*Alchemilla acutangula* Buser.)

Hemicryptophyte, submesophyte, EUR, suburban zone, mesohemerob.

\**Alchemilla micans* Buser

Hemicryptophyte, subxerophyte, Pr, CWU: (Tzvelev, 1951)

938. *Alchemilla monticola* Opiz (*Alchemilla pastoralis* Buser.)

Hemicryptophyte, mesophyte, EUR, suburban zone, mesohemerob.

939. *Armeniaca vulgaris* Lam. (*Prunus armeniaca* L.)

Phanerophyte, mesophyte, EAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

940. *Cerasus avium* (L.) Moench (*Prunus avium* (L.) L.)

Phanerophyte, mesophyte, EUR-MEDI, kenophyte, ergasiophyte, ergasiophyte, suburban zone, olygohemerob, RR, CWU: s.n.

941. *Cerasus vulgaris* Mill. (*Prunus cerasus* L.)

Phanerophyte, mesophyte, EUR-MED, kenophyte, ergasiophyte, ergasiophyte, suburban zone, olygo-, mesohemerob, CWU: s.n.

942. *Cotoneaster melanocarpus* Fisch. ex Blytt.

Phanerophyte, submesophyte, EURAS, occasional apophyte, urban & suburban zones, olygo-, mesohemerob.

943. *Crataegus curvisepala* Lindm.

Phanerophyte, submesophyte, EUR, occasional apophyte, urban & suburban zones, mesohemerob.

944. *Crataegus sanguine* Pall.

Phanerophyte, submesophyte, EUR-SIB, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

945. *Cydonia oblonga* Mill.

Phanerophyte, submesophyte, MED, kenophyte, ergasiophyte, agriophyte, urban & suburban zones, mesohemerob.

946. *Filipendula denudata* (J. Presl ex C. Presl) Fritsch.

(*Filipendula ulmaria* (L.) Maxim.)

Hemicryptophyte, mesophyte, BOREAL, suburban zone, suburban zone, olygo-, mesohemerob.

947. *Filipendula vulgaris* Moench (*Filipendula hexapetala* Gilib., nom. inval.)

Hemicryptophyte, mesophyte, NOM, suburban zone, olygohemerob.

948. *Fragaria vesca* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, olygohemerob.

949. *Fragaria viridis* Duschesne

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zone, olygohemerob.

950. *Geum aleppicum* Jacq. (*Geum strictum* Aiton)

Hemicryptophyte, mesophyte, EUR-SSIB, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105845.

951. *Geum rivale* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, olygohemerob, RR, CWU: s.n.

952. *Geum urbanum* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00113349.

953. *Malus baccata* (L.) Borkh.

Phanerophyte, mesophyte, AS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, olygo-, mesohemerob.

954. *Malus domestica* Borkh.

Phanerophyte, mesophyte, EUR, archeophyte, ergasiophyte, ergasiophyte, urban & suburban zones, olygo-, mesohemerob.

955. *Malus sylvestris* Mill.

Phanerophyte, mesophyte, EUR, occasional apophyte, suburban zone, olygo-, mesohemerob.

956. *Padus avium* Mill. (*Padus racemosa* (Lam.) Gilib.)

Phanerophyte, submesophyte, WEUR, urban & suburban zones, mesohemerob, CWU: s.n.

957. *Padus virginiana* (L.) Roem.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, suburban zone, olygo-, mesohemerob.

958. *Potentilla anserine* L.

Hemicryptophyte, mesophyte, HARCT, hemiapophyte, urban & suburban zones, meso-, euhemerob, KW: № 00107529.

959. *Potentilla argentea* L.

Hemicryptophyte, subxerophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemerob, KW: № 00107542, 00112036, 00113416, 00113413.

960. *Potentilla erecta* (L.) Raeusch. (*Potentilla sylvestris* Neck.)

Hemicryptophyte, mesophyte, WBOREAL, occasional apophyte, urban & suburban zones, mesohemerob, RR.

\**Potentilla heptaphylla* L.

Hemicryptophyte, mesophyte, Pr, CWU (Voloshovetz, 1924).

961. *Potentilla intermedia* L.

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob.

962. *Potentilla neglecta* Baumg. (*Potentilla impolita* auct. non Wahlenb.)

Hemicryptophyte, subxerophyte, HARCT, euapophyte, suburban zone, mesohemerob.

963. *Potentilla obscura* Willd.

Hemicryptophyte, subxerophyte, NOM, occasional apophyte, urban & suburban zones, meso-, euhemerob, KW: № 00112052.

964. *Potentilla palustris* (L.) Scop. (*Comarum palustre* L.)

Chamaephyte, hygromesophyte, HARCT, suburban zone, ahemerob, RR.

965. *Potentilla reptans* L.

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

966. *Potentilla schurii* Fuss. ex Zimmeter.

Hemicryptophyte, subxerophyte, EUR, suburban zone, mesohemerob.

967. *Potentilla supina* L.

Therophyte, submesophyte, HARCT, euapophyte, urban & suburban zones, olygohemerob.

968. *Potentilla thyrsiflora* Huels. ex Zimmeter.

Hemicryptophyte, submesophyte, EUR, hemiapophyte, suburban zone, mesohemerob.

969. *Prunus divaricata* Ledeb.

Phanerophyte, submesophyte, MED, kenophyte, ergasiophyte, agriophyte, urban & suburban zones, mesohemerob.

970. *Prunus spinosa* L.

Phanerophyte, submesophyte, EUR, suburban zone, olygohemerob.

971. *Pyrus communis* L.

Phanerophyte, mesophyte, EUR, kenophyte, ergasiophyte, agriophyte, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

972. *Rosa canina* L.

Phanerophyte, subxerophyte, EUR, suburban zone, mesohemerob.

973. *Rosa glauca* Pourr. (*Rosa rubrifolia* Vill.)

Phanerophyte, mesophyte, EUR, suburban zone, olygohemerob.

974. *Rosa majalis* Herrm. (*Rosa cinnamomea* auct. non L.)

Phanerophyte, mesophyte, EEUR-SSIB, suburban zones, olygo-, mesohemerob.

975. *Rosa rugosa* Thunb.

Phanerophyte, mesophyte, EURAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

976. *Rosa villosa* L. (*Rosa pomifera* Herrm.)

Phanerophyte, mesophyte, WEUR, suburban zone, olygo-, mesohemerob.

977. *Rubus caesius* L.

Phanerophyte, mesophyte, EUR-SSIB, occasional apophyte, suburban zone, olygohemerob.

978. *Rubus idaeus* L.

Phanerophyte, submesophyte, BOREAL, occasional apophyte, urban & suburban zones, olygohemerob.

979. *Sanquisorba officinalis* L.

Phanerophyte, mesophyte, BOREAL, occasional apophyte, urban & suburban zones, olygohemerob, RR.

980. *Sorbus aria* (L.) Crantz (*Aria aria* Huth)

Phanerophyte, mesophyte, EUR, suburban zone, olygohemerob.

981. *Sorbus aucuparia* L.

Phanerophyte, submesophyte, BOREAL, urban & suburban zones, olygo-, mesohemerob, CWU: s.n.

982. *Sorbus domestica* L. (*Cormus domestica* (L.) Spach)

Phanerophyte, mesophyte, BOREAL, suburban zone, olygohemerob.

983. *Spiraea crenata* L.

Phanerophyte, subxerophyte, NOM, kenophyte, urban & suburban zones, olygo-, mesohemerob, RR.

984. *Spiraea media* F. Schmidt.

Phanerophyte, mesophyte, CAS-SAS, kenophyte, ergasiophyte, agriophyte, urban & suburban zones, mesohemerob, CWU: s.n.

985. *Spiraea salicifolia* L.

Phanerophyte, mesophyte, SIB, kenophyte, ergasiophyte, ergasiophyte, suburban zone, olygo-, mesohemerob, CWU: s.n.

### Rubiaceae

986. *Asperula cynanchica* L. (*Galium cynanchicum* (L.) Scop.)

Hemicryptophyte, subxerophyte, EEUR, suburban zone, olygohemerob, KW: № 00107577.

987. *Galium aparine* L.

Therophyte, mesophyte, EURAS, euapophyte, suburban zone, mesohemerob, KW: № 00105895.

988. *Galium boreale* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, mesohemerob.

\**Cruciata laevipes* Opiz (*Galium cruciata* (L.) Scop.)

Hemicryptophyte, mesophyte, Syl, CWU (Tzvelev, 1954)

989. *Galium mollugo* L. (*Galium erectum* auct. non Huds.)

Hemicryptophyte, mesophyte, EUR, suburban zone, mesohemerob.

990. *Galium odoratum* (L.) Scop. (*Asperula odorata* L.)

Hemicryptophyte, mesophyte, EUR, suburban zone, mesohemerob, CWU: s.n.

991. *Galium palustre* L.

Hemicryptophyte, submesophyte, EUR-SSIB, suburban zone, mesohemerob.

992. *Galium rubioides* L. (*Galium articulatum* Lam.)

Hemicryptophyte, submesophyte, EUR, suburban zone, olygohemerob.

993. *Galium ruthenicum* Willd.

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, eu-, mesohemerob.

994. *Galium tinctorium* (L.) Scop. (*Asperula tinctoria* L.)

Hemicryptophyte, submesophyte, EEUR, urban & suburban zones, mesohemerob.

995. *Galium verum* L.

Hemicryptophyte, mesophyte, EURAS, urban & suburban zones, eu-, mesohemerob, KW: № 00107538, 00107539.

### Salicaceae

996. *Populus alba* L.

Phanerophyte, submesophyte, WEUR-AS, urban & suburban zones, mesohemerob.

997. *Populus Bolleana* Lauche.

Phanerophyte, submesophyte, MED-CAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, olygohemerob.

998. *Populus deltoides* Marshall.

Phanerophyte, mesophyte MED-CAS, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, mesohemerob, CWU: s.n.

999. *Populus italica* (Du Roi) Moench (*Populus pyramidalis* Rozier.)

Phanerophyte, submesophyte, MED-CAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

1000. *Populus nigra* L.

Phanerophyte, mesophyte, WEUR-AS, urban & suburban zones, mesohemerob, CWU: s.n.

1001. *Populus suaveolens* Fisch.

Phanerophyte, mesophyte, MED-CAS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

1002. *Populus tremula* L.

Phanerophyte, mesophyte, BOREAL, suburban zone, olygohemerob, CWU: s.n.

1003. *Salix acutifolia* Willd.

Phanerophyte, submesophyte, WEUR-AS, suburban zone, olygo-, mesohemerob.

1004. *Salix alba* L. (*Salix vitellina* L.)

Phanerophyte, submesophyte, WEUR-AS, urban & suburban zones, olygohemerob, CWU: s.n.

1005. *Salix babylonica* L.

Phanerophyte, mesophyte, AS, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob, CWU: s.n.

1006. *Salix caprea* L.

Phanerophyte, mesophyte, EURAS, urban & suburban zones, mesohemerob, CWU: s.n.

1007. *Salix cinerea* L.

Phanerophyte, hygromesophyte, EURAS, suburban zone, olygohemerob, CWU: s.n.

1008. *Salix fragilis* L.

Phanerophyte, mesophyte, MED-CAS, archaeophyte, agriophyte, akolutophyte, urban & suburban zones, mesohemerob.

1009. *Salix pentandra* L.

Phanerophyte, hygromesophyte, EURAS, suburban zone, olygohemerob.

1010. *Salix triandra* L.

Phanerophyte, hygromesophyte, EURAS, suburban zone, olygohemerob.

### Santalaceae

1011. *Thesium arvense* Horv. (*Thesium ramosum* Hayne)

Hemicryptophyte, mesophyte, WEUR, suburban zone, mesohemerob, CWU: s.n.

1012. *Thesium ebracteatum* Hayne

Hemicryptophyte, submesophyte, EEUR, suburban zone, mesohemerob.

### Saxifragaceae

1013. *Chrysosplenium alternifolium* L.

Hemicryptophyte, hygromesophyte, EURAS, suburban zone, olygohemerob, RR.

### Scrophulariaceae s.l.

1014. *Antirrhinum majus* L.

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, suburban zone, mesohemerob, KW: № 00105904.

1015. *Euphrasia brevipila* Burn. ex Gremler

Therophyte, mesophyte, EUR, suburban zone, olygohemerob.

1016. *Euphrasia pectinata* Ten.

Therophyte, submesophyte, EUR, suburban zone, olygohemerob.

1017. *Euphrasia rostkoviana* Hayne

Therophyte, mesophyte, EUR, suburban zone, olygohemerob.

1018. *Euphrasia stricta* D. Wolff ex J.F. Lehm. (*Euphrasia condensata* Jord.)

Therophyte, mesophyte, EUR, suburban zone, olygohemerob.

1019. *Euphrasia tatarica* Fisch. ex Spreng.

Therophyte, submesophyte, EUR, suburban zone, olygohemerob.

\**Gratiola officinalis* L.

Hemicryptophyte, hygrophyte, Pal, Nalyvaiko (1898).

1020. *Lathraea squamaria* L.

Hemicryptophyte, mesophyte, EEUR, urban & suburban zones, meso-, euhemerob, CWU: s.n.

1021. *Limosella aquatica* L.

Therophyte, mesophyte, WEUR-AS, suburban zone, olygohemerob.

\**Linaria dulcis* Klokov

Hemicryptophyte, subxerophyte, Syl, CWU (Voloshova, 1925; Karnaush, 1933).

1022. *Linaria genistifolia* (L.) Mill.

Hemicryptophyte, subxerophyte, NOM, suburban zone, meso-, euhemerob, RR, KW: № 00106514.

1023. *Linaria vulgaris* Mill.

Hemicryptophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00106508.

1024. *Melampyrum argyrocomum* Fisch. ex Koso-Pol.

Therophyte, submesophyte, EUR, suburban zone, olygohemerob, RR.

1025. *Melampyrum cristatum* L.

Therophyte, mesophyte, EUR, hemiapophyte, suburban zone, olygohemerob.

1026. *Melampyrum nemorosum* L.

Therophyte, mesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

1027. *Odontites vulgaris* Moench

Therophyte, mesophyte, EUR, suburban zone, olygohemerob.

1028. *Pedicularis kaufmannii* Pinzg. (*Pedicularis comosa* auct. non L.)

Hemicryptophyte, submesophyte, NOM, suburban zone, olygohemerob.

1029. *Pedicularis palustris* L.

Therophyte, submesophyte, NOM, suburban zone, olygohemerob, RR.

1030. *Rhinanthus minor* Ehrh.

Therophyte, mesophyte, EUR-SSIB, hemiapophyte, suburban zone, olygohemerob.

1031. *Scrophularia nodosa* L.

Geophyte, submesophyte, EUR, suburban zone, olygohemerob, CWU: s.n.

1032. *Verbascum densiflorum* Bertol. (*Verbascum thapsiforme* Schrad.)

Hemicryptophyte, mesophyte, hemiapophyte, suburban zone, olygohemerob, CWU: s.n.

1033. *Verbascum lychnitis* L.

Hemicryptophyte, subxerophyte, NOM, euapophyte, urban & suburban zones, meso-, euhemerob, KW: 00112028.

1034. *Verbascum nigrum* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zone, meso-, euhemerob, CWU: s.n.

1035. *Verbascum phlomoides* L.

Hemicryptophyte, mesophyte, SUBMED, occasional apophyte, urban & suburban zones, meso-, euhemerob.

1036. *Veronica anagallis-aquatica* L. (*Veronica anagallis* L.)

Hemicryptophyte, hygromesophyte, HARCT, suburban zone, mesohemerob.

1037. *Veronica arvensis* L.

Therophyte, subxerophyte, MED, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, meso-, euhemerob.

1038. *Veronica chamaedrys* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, meso-, euhemerob, CWU: s.n.



1039. *Veronica incana* L.

Hemicryptophyte, subxerophyte, NOM, suburban zone, oligohemerob, RR.

1040. *Veronica longifolia* L.

Hemicryptophyte, submesophyte, BOREAL, suburban zone, mesohemerob, CWU: s.n.

1041. *Veronica officinalis* L.

Hemicryptophyte, mesophyte BOREAL, urban & suburban zones, mesohemerob.

1042. *Veronica opaca* Fr.

Therophyte, mesophyte, MED, archaeophyte, xenophyte, epoecophyte, suburban zone, mesohemerob.

1043. *Veronica persica* Poir.

Hemicryptophyte, mesophyte, MED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, euhemerob.

1044. *Veronica prostrata* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, oligohemerob.

1045. *Veronica serpyllifolia* L.

Hemicryptophyte, mesophyte, HARCT, occasional apophyte, suburban zone, mesohemerob.

1046. *Veronica spicata* L.

Hemicryptophyte, submesophyte, WEUR-AS, suburban zone, oligohemerob.

1047. *Veronica spuria* L.

Hemicryptophyte, submesophyte, NOM, suburban zone, oligohemerob.

1048. *Veronica teucrium* L.

Hemicryptophyte, submesophyte, EUR, suburban zone, oligohemerob.

1049. *Veronica verna* L.

Therophyte, submesophyte, WEUR-AS, euapophyte, suburban zone, mesohemerob.

### Simaroubaceae

1050. *Ailanthus altissima* (Mill.) Swingle. (*Ailanthus glandulosa* Desf.)

Phanerophyte, submesophyte, EURAS, kenophyte, ergasiophyte, ergasiophyte, urban zone, mesohemerob, CWU: s.n.

### Solanaceae

1051. *Datura innoxia* Mill.

Therophyte, submesophyte, N&C&SAm, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, mesohemerob.

1052. *Datura stramonium* L.

Therophyte, mesophyte, AS, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, polyhemerob, CWU: s.n.

1053. *Datura tatula* L. ~ *Datura stramonium*

Therophyte, mesophyte, NAM, kenophyte, ergasiophyte, ephemerophyte, urban & suburban zones, polyhemerob, KW: № 00113397.

1054. *Hyoscyamus niger* L.

Hemicryptophyte, mesophyte, MED-AS, kenophyte, akolutophyte, epoecophyte, urban & suburban zones, euhemerob.

1055. *Lycium barbatum* L.

Phanerophyte, submesophyte, EURAS, archaeophyte, ergasiophyte, epoecophyte, urban & suburban zones, euhemerob CWU: s.n.

1056. *Lycopersicon esculentum* Mill. (***Solanum lycopersicum*** L.)

Therophyte, mesophyte, SAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, KW: № 00105844.

1057. *Nycandra physaloides* (L.) P. Gaertn.

Therophyte, mesophyte, SAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

1058. *Nicotiana alata* Link ex Otto

Therophyte, mesophyte, CAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

1059. *Physalis alkekengi* L. (***Alkekengi officinarum*** Mill.)

Therophyte, mesophyte, MED, kenophyte, ergasiophyte, ergasiophyte, suburban zone, mesohemerob, KW: № 00113401.

1060. *Solanum dulcamara* L.

Phanerophyte, mesophyte, EUR, occasional apophyte, suburban zone, mesohemerob, KW: № 00105843.

1061. *Solanum nigrum* L.

Therophyte, mesophyte, SEUR, archaeophyte, akolutophyte, epoecophyte, urban & suburban zones, polyhemerob, KW: № 00105894.

1062. *Solanum schultesii* Opiz.

Therophyte, mesophyte, MED, kenophyte, ephemerophyte, xenophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

1063. *Solanum tuberosum* L.

Therophyte, submesophyte, SAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, euhemerob, CWU: s.n.

## Tiliaceae

1064. *Tilia americana* L.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, ergasiophyte, urban & suburban zones, mesohemerob.

1065. *Tilia cordata* Mill. (*Tilia parvifolia* Hoffm.)

Phanerophyte, mesophyte, EURAS, suburban zone, meso-, olygohemerob, CWU: s.n.

1066. *Tilia platyphyllos* Scop. (*Tilia grandiflora* Ehrh.)

Phanerophyte, mesophyte, EUR, urban & suburban zones, olygohemerob.

1067. *Tilia tomentosa* Moench (*Tilia argentea* Desf. ex DC.)

Phanerophyte, mesophyte, EUR, suburban zone, meso-, olygohemerob.

### Ulmaceae

1068. *Ulmus glabra* Huds. (*Ulmus scabra* Mill.)

Phanerophyte, submesophyte, SUBMED, urban & suburban zones, meso-, olygohemerob.

1069. *Ulmus laevis* Pall.

Phanerophyte, mesophyte, EEUR, urban & suburban zones, meso-, olygohemerob.

1070. *Ulmus minor* Mill. (*Ulmus capestris* L. non. ambig.)

Phanerophyte, subxerophyte, EEUR, suburban zone, meso-, olygohemerob.

1071. *Ulmus pumila* L. (*Ulmus pinnato-ramosa* Dieck ex Koehne)

Phanerophyte, mesophyte, EURAS, kenophyte, ergasiophyte, ergasiophyte urban & suburban zones, meso-, euhemerob, KW: № 00113414.

### Urticaceae

1072. *Urtica dioica* L.

Hemicryptophyte, mesophyte, WEUR, euapophyte, urban & suburban zones, euhemerob, KW: № 00105854.

1073. *Urtica galeopsifolia* Wierzb. ex Opiz (*Urtica dioica* L. subsp. *galeopsifolia* (Wierzb. ex Opiz) Chrtek.)

Hemicryptophyte, hygrophyte, EEUR, suburban zone, meso-, olygohemerob, KW: № 00107540.

1074. *Urtica urens* L.

Therophyte, mesophyte, MED, archaeophyte, xenophyte, epocophyte, urban zone, euhemerob.

### Valerianaceae

1075. *Valeriana officinalis* L. (*Valeriana exsaltata* J.S. Mikan.)

Geophyte, subxerophyte, EURAS, suburban zone, olygohemerob, RR.

### Violaceae

1076. *Viola accrescens* Klokov (*Viola pumila* auct. non Chaix.)

Hemicryptophyte, mesophyte, EURAS, hemiapophyte, suburban zone, mesohemerob.

1077. *Viola ambigua* Waldst. ex Kit. (*Viola campestris* M. Bieb.)

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zone, mesohemerob.

1078. *Viola arvensis* Murray (*Viola agrestis* Jord., *Viola parviflora* Neilr.)

Hemicryptophyte, mesophyte, MED, archaeophyte, akolutophyte, epocophyte, urban zone, euhemerob.

1079. *Viola canina* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, urban & suburban zones, meso-, euhemerob.

*1080. Viola collina* Besser

Hemicryptophyte, subxerophyte, EUR, hemiapophyte, suburban zone, mesohemerob.

*1081. Viola hirta* L.

Hemicryptophyte, submesophyte, WEUR-AS, urban & suburban zones, mesohemerob, CWU: s.n.

*1082. Viola kitaibeliana* Schult.

Therophyte, mesophyte, EUR, urban & suburban zones, euhemerob.

*1083. Viola mirabilis* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zone, meso-, olygohemerob, CWU: s.n.

*1084. Viola montana* L. s.str. (*Viola elatior* Fr.)

Hemicryptophyte, subxerophyte, WEUR-AS, hemiapophyte, suburban zone, mesohemerob, RR.

*1085. Viola odorata* L.

Hemicryptophyte, mesophyte, EUR, hemiapophyte, suburban zone, mesohemerob, KW: № 00106509.

*1086. Viola rupestris* F.W. Schmidt (*Viola arenaria* DC.)

Hemicryptophyte, subxerophyte, WEUR-AS, hemiapophyte, suburban zone, meso-, olygohemerob.

*1087. Viola suavis* M. Bieb.

Hemicryptophyte, submesophyte, SUBMED, suburban zone, olygohemerob, KW: № 00106512.

*1088. Viola tricolor* L.

Therophyte, mesophyte, EUR, urban & suburban zones, euhemerob.

### Viscaceae

*1089. Viscum album* L.

Phanerophyte, mesophyte, EURAS, euapophyte, urban & suburban zones, eu-, meso-, polyhemerob.

### Vitaceae

*1090. Parthenocissus quinquefolia* (L.) Planch. (*Hedera quinquefolia* L.)

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00113403.

*1091. Parthenocissus inserta* (A. Kern.) Fritsch. (*Vitis inserta* A. Kern)

Phanerophyte, mesophyte, NAM, kenophyte, agriophyte, ergasiophyte, urban zone, eu-, mesohemerob.

*1092. Parthenocissus tricuspidata* (Sieb. ex Zucc.) Planch.

Phanerophyte, mesophyte, NAM, kenophyte, ergasiophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, CWU: s.n.

*1093. Vitis vinifera* L.

Phanerophyte, mesophyte, SUBMED, archeophyte, ergasiophyte, ergasiophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00107547, 00107587.

**Zygophyllaceae***1094. Tribulus terrestris* L.

Therophyte, subxerophyte, MED, kenophyte, xenophyte, epoecophyte, urban & suburban zones, meso-, eu-, polyhemerob, KW: № 00105897, 00105896.

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