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The Botanical Collection of the Țării Crișurilor Museum Tatiana Tofan's Herbarium (part III)

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Abstract. The present paper continues the publication of the botanical collection deposited in the Țării Crișurilor Museum by describing the samples in the herbarium collected by Tatiana Tofan, a former botanist of the museum. The material presented here originated from the Republic of Moldova and were collected on the left bank of river Prut during 1994-1997. The material was arranged in an updated taxonomical classification, with the indication of accepted names and main synonyms, location, date and author of collecting. It includes 131 taxa, belonging to 92 genera and 39 families, according to the taxonomical classification employed (*Systema Naturae 2000*).

Introduction

The present paper continues the publication of the botanical collection deposited in the Țării Crișurilor Museum by describing the samples in the herbarium completed by Tatiana Tofan, a former botanist of the museum. The material was collected in the Republic of Moldova, on the left bank of the river Prut (the districts of Briceni, Ocnița, Edineț, Rîșcani, Glodeni, Fălești and Cahul – see Fig. 1), between 1994 and 1997.

Material and methods

The examined material is deposited in the collection of the Țării Crișurilor Museum in Oradea, as indicated by the inventory numbers following the scientific names. When rendering the accepted species names, we mentioned the reference source of its first description and its synonyms. We employed the database of the Royal Botanic Garden Edinburgh *Flora Europaea*, *Global Biodiversity Information Facility*. (<http://www.gbif.org>), and *uBio Portal* (www.ubio.org/portal/-5k). In order to update the taxonomic classification, we consulted also the study of V. Ciocârlan (2000) which follows the rules and recommendations of the International Code for Botanic Cataloguing, and the site *Systema Naturae 2000* (<http://taxonomicom.taxonomy.nl>) (the variant entered after October 17, 2009). We also mentioned the present names of the collecting sites, the locality, the date and the name of the collector. Where determination was missing, the name of the determinator was mentioned.

Abbreviations: n. = number of inventory; ref. = reference index for the first description of the species; leg. = the author who collected and determined the plant; Ord. = order; Fam. = family.

Systematic part

Kingdom *Plantae* Haeckel, 1866
Subkingdom *Viridaeplantae* Cavalier-Smith, 1981
Phylum *Tracheophyta* Sinnott, 1935 ex Cavalier-Smith, 1998
Subphylum *Euphyllophytina*
Infraphylum "*Moniliformopses*" Kenrick & Crane, 1997
Clas. *Equisetopsida* C. Agardh.
Ord. *Equisetales* Dumortier, 1829
Fam. *Equisetaceae* A. Michaux ex Alph. De Candolle, 1804

Gen *Equisetum* L.

Equisetum ramosissimum Desf. (n. 24.590) – ref.: Fl. Atl. 2: 398 (1799); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the ponds between mounds, 07.06.1996, leg. T. Burac (T. Tofan).

Infraphylum "*Radiatopses*" Kenrick & Crane, 1997
Clas. *Magnoliopsida* Brogniart, 1843

*"monocotyledons"*Ord. *Asparagales* Bromhead, 1838Fam. *Asparagaceae* A. de Jussieu, 1789, nom. cons.Subfam. *Convallarioideae* (Dumort., 1827) Herb., 1837Trib *Polygonateae*Gen *Polygonatum*

Polygonatum latifolium (Jacq.) Desf. (n. 24.524) – ref.: Ann. Mus. Hist. Nat. (Paris) 9: 50 (1807); Republic of Moldova, Glodeni district, (com.) Viișoara, village Moara Domnească, 06.06.1996, leg. T. Burac (T. Tofan)

Polygonatum latifolium (Jacq.) Desf. (n. 24.538) – ref.: Ann. Mus. Hist. Nat. (Paris) 9: 50 (1807); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, on the meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Polygonatum latifolium (Jacq.) Desf. (n. 24.636) – ref.: Ann. Mus. Hist. Nat. (Paris) 9: 50 (1807); - Republic of Moldova, Glodeni district, (com.) Cuhnești, village Cuhnești, 06.06.1996, leg. T. Burac (T. Tofan).

Polygonatum latifolium (Jacq.) Desf. (n. 24.641) – ref.: Ann. Mus. Hist. Nat. (Paris) 9: 50 (1807); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Potamogeton pectinatus L. (n. 24.544) – ref.: Sp. Pl. ed. 1 127 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, irrigation canal, aquatic ecosystem, 05.06.1996, leg. T. Burac (T. Tofan).

Fam. *Orchidaceae* A.L. de Jussieu, 1789, nom. cons.Gen *Coeloglossum* C.J. Hartman , 1820

Coeloglossum viride (L.) Hartm. (n. 24.926) – ref.: *Handbok i Skandinaviens Flora* 329 (1820); Republic of Moldova, Ocnîța district, village Bîrnova, meadow, 25.06.1997, leg. T. Burac (T. Tofan).

Fam. *Iridaceae* A.L. de Jussieu, 1789, nom. cons.Subfam. *Iridoideae*

Trib *Irideae*Gen *Iris* L., 1753

Iris graminea L. (n. 24.592) – ref.: Sp. Pl. ed. 1 39 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Iris spuria L. subsp. *halophila* (Pall.) D. A. Webb & Chater (n. 24.525; 24.526) – ref.: Bot. Jour. Linn. Soc. 76: 315 (1978); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, 06.06.1996, leg. T. Burac (T. Tofan)

Iris spuria L. subsp. *halophila* (Pall.) D. A. Webb & Chater (n. 24.529) – ref.: Bot. Jour. Linn. Soc. 76: 315 (1978); Republic of Moldova, Glodeni district, (com.) Balatina, the village Balatina, 06.06.1996, leg. T. Burac (T. Tofan)

Iris spuria L. subsp. *halophila* (Pall.) D. A. Webb & Chater (n. 24.614) – ref.: Bot. Jour. Linn. Soc. 76: 315 (1978); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, edge of the forest, 06.06.1996, leg. T. Burac (T. Tofan)

Iris spuria L. subsp. *halophila* (Pall.) D. A. Webb & Chater (n. 24.615) – ref.: Bot. Jour. Linn. Soc. 76: 315 (1978); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, 04.06.1996, leg. T. Burac (T. Tofan)

Ord. *Liliales* Perleb, 1826Fam. *Liliaceae* A.L. de Jussieu, 1789, nom. cons.Subfam. *Lilioideae*Trib *Lilieae*Gen *Fritillaria* L., 1753

Fritillaria orientalis Adams (n. 24.536.) – ref.: Beitr. Naturk. 1: 50 (1805); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, forest, on the meadow, 05.06.1996, leg. T. Burac (T. Tofan).

“*commelinids*”Ord. *Poales* Small, 1903Fam. *Cyperaceae* A.J. de Jussieu, 1789, nom.cons.Subfam. *Cyperoideae*

Trib *Eleocharideae*Gen *Eleocharis* R. Brown, 1810

Eleocharis palustris (L.) Roem. & Schult. (n. 24.589) – ref.: Syst. Veg. ed. nov. (15) 2: 151 (1817); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 08.06.1996, leg. T. Burac (T. Tofan).

Trib *Scirpeae*Gen *Scirpus* L., 1753

Scirpus maritimus L. (n. 24.587) – ref.: Sp. Pl. ed. 1 51 (1753); Republic of Moldova, Glodeni district, (com.) Comanca, the village Butești, Comencuța gorge, 08.06.1996, leg. T. Burac (T. Tofan).

Subfam. *Caricoideae*Gen *Carex* L., 1753

Carex caryophyllea Latourr. (n. 24.584) – ref.: Chlor. Lugd. 27 (1785); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, floodplain forest, 05.06.1996, leg. T. Burac (T. Tofan).

Carex distans L. (n. 24.583) – ref.: Syst. Nat. ed. 10 2: 1263 (1759); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, meadow pastures, 05.06.1996, leg. T. Burac (T. Tofan).

Carex hirta L. (n. 24.588) – ref.: Sp. Pl. ed. 1 975 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Carex riparia M. A. Curtis (n. 24. 582; 24.582 /a.) – ref.: Fl. Londin. 2 (4): t. 60 (1783); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, 07.06.1996, leg. T. Burac (T. Tofan).

Carex riparia M. A. Curtis (n. 24.586.) – ref.: Fl. Londin. 2 (4): t. 60 (1783); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, Comencuța river, 08.06.1996, leg. T. Burac (T. Tofan).

Carex secalina Willd. ex Wallenb (n. 24.585) – ref.: Kungl. Svenska Vet. Akad. Handl. nov. ser. 24: 151 (1803); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Carex spicata Huds. (n. 24.638) – ref.: Fl. Angl. ed. 1 349 (1762); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, edge of forest, 06.06.1996, leg. T. Burac (T. Tofan)

Carex vulpina L. (n. 24.639) – ref.: Sp. Pl. ed. 1 973 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, old riverbed, 05.06.1996, leg. T. Burac (T. Tofan).

Fam. *Gramineae* A.J. de Jussieu, 1789, nom. cons.

Subfam. *Pooideae*

Trib *Aveneae*

Subtrib *Alopecuridinae*

Gen *Agrostis* L., 1753

Agrostis stolonifera L. (n. 24.546) – ref.: Sp. pl. 1: 62 (1753); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, ponds between mounds, 08.06.1996, leg. T. Burac (T. Tofan).

Gen *Phleum* L., 1753

Phleum phleoides (L.) H. Karst. – (n. 24.611) – ref.: Deutsche Fl. ed. 1 374 (1881); Republic of Moldova, Cahul district, (com.) Slobozia Mare, village Slobozia Mare, coastal steppe, 05.07.1996, leg. T. Burac (T. Tofan).

Subtrib. *Aveninae*

Gen *Koeleria* Persoon, 1805

Koeleria macrantha (Ledeb.) Schult. (n. 24.551; 24.551/a.) – ref.: Mantissa 2: 345 (1824); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Subtrib *Phalaridinae*Gen *Phalaris* L., 1753

Phalaris arundinacea L. (n. 24.635) – ref.: *Species Plantarum* 1: 55 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, 05.06.1996, leg. T. Burac (T. Tofan).

Trib *Bromeae*Gen *Bromus* L., 1753

Bromus hordeaceus L. subsp. *hordeaceus* (n. 24.631; 24.631/a) – ref.: Sp. pl. 1: 77 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, road side, 05.06.1996, leg. T. Burac (T. Tofan).

Bromus inermis var. *inermis* Leyss. (n. 24.545) – ref.: Folia Geobot. Phytotax. 8:167 (1973); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Bromus tectorum L. (n. 24.632) – ref.: Sp. pl. 1:77 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, 05.06.1996, leg. T. Burac (T. Tofan).

Bromus tectorum L. (n. 24.644) – ref.: Sp. pl. 1:77 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, road side, 05.06.1996, leg. T. Burac (T. Tofan).

Trib *Meliceae*Gen *Melica* L., 1753

Melica ciliata L. (n. 24. 576) – ref.: Sp. pl. 1:66 (1753); Republic of Moldova, district Glodeni, (com.) Comanca, village Butești, steppe, 06.06.1996, leg. T. Burac (T. Tofan).

Trib *Poeae*

Gen *Festuca* L, 1753

Festuca valesiaca Schleich. ex Gaudin (n. 24.573; 24.573/a) – ref.: Agrost. Helv. 1: 242 (1811); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Gen *Milium* L., 1753

Milium effusum L. (n. 24.627) – ref.: Sp. Pl. Ed. 1 61 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, 06.06.1996, leg. T. Burac (T. Tofan).

Gen *Poa* L., 1753

Poa compressa L. (n. 24.630; 24.630/a) – ref.: Sp. Pl. 1 :69 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, pasture, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Poa nemoralis L. (n. 24.574) – ref.: Sp. Pl. Ed. 1 69 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 06.06.1996, leg. T. Burac (T. Tofan)

Gen *Puccinellia* Parlatore, 1848, nom. cons.

Puccinellia distans subsp. *limosa* (Schur) Soo & Jav. (n. 24.609; 24.643; 24.643/a) – ref.: Magyar Növ. Kéz. 2: 928 (1951); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, salt meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Gen *Sclerochloa* P. Beauv

Sclerochloa dura (L.) P.Beauv. (n. 24.602) – ref.: Agrost. 98 & 177 (1812); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, forest in the Prut meadow, 07.06.1996, leg. T. Burac (T. Tofan)

Trib *Stipeae*Gen *Stipa* L., 1753

Stipa pulcherrima K.Koch (n. 24.550) – ref.: Linnaea 21: 440 (1848); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Trib *Triticeae*

Gen *Elymus* L., 1753

Elymus hispidus (Opiz) Melderis (n. 24.549) – ref.: Bot. Jour. Linn. Soc. 76: 380 (1978); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Elymus repens (L.) Gould subsp. *repens* (n. 24.543) – ref.: Madroño 9: 127 (1947); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, abandoned riverbed, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Subfam. *Chloridoideae*

Trib *Cynodonteae*

Gen *Tragus* A. Haller, 1768, nom. cons.

Tragus racemosus (L.) All. (n. 24.608) – ref.: Fl. Pedem. 2: 241 (1785); Republic of Moldova, Cahul district, (com.) Slobozia Mare, village Slobozia Mare, eroded seashore, 04.07.1996, leg. T. Burac (T. Tofan).

Fam. *Juncaceae* Durande 1782, nom.cons.

Gen *Juncus* L., 1753

Juncus gerardi Loisel. (n. 24.581; 24.581/a) – ref.: Jour. Bot. Rédigé 2: 284 (1809); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 07.06.1996, leg. T. Burac (T. Tofan)

“*eudicots*”

Ord. *Ranunculales* Dumontier, 1829

Fam. *Ranunculaceae* Adans., 1763, nom. cons.

Subfam. *Ranunculoideae*

Trib *Ranunculeae*

Gen *Ranunculus* L., 1753

Ranunculus auricomus L. (n. 24.542) – ref.: Sp. Pl. ed. 1 551 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Ranunculus sceleratus L. (n. 24.558) – ref.: Sp. Pl. ed. 1 551 (1753); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Ranunculus trichophyllus var. *trichophyllus* Chaix (n. 24. 616) – ref.: Hist. Pl. Dauph. 1: 335 (1786); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, irrigation canal, 05.06.1996, leg. T. Burac (T. Tofan).

“core eudicots”

Ord. *Caryophyllales* Perleb. 1826

Fam. *Amaranthaceae* Adans., 1763 ex A.L. de Jussieu, 1789, nom.cons.

Subfam. *Chenopodioideae*Trib *Camphorosmeae*Gen *Bassia* Allioni, 1766

Bassia prostata (L.) A.J.Scott (n. 24.570; 24.570/a) – ref.: Feddes Repert. 89: 108 (1978); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 06.06.1996, leg. T. Burac (T. Tofan)

Fam. *Caryophyllaceae* Durande, 1872, ex A. L. de Jussieu, 1789, nom. cons.

Subfam. *Caryophylloideae*Trib *Caryophylleae*Gen *Dianthus* L., 1753

Dianthus membranaceus Borbás (n. 24.520) – ref.: Österr. Bot. Zeitschr. 26: 125 (1876); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 06.06.1996, leg. T. Burac (T. Tofan)

Trib *Sileneae*

Gen *Silene* L., 1753

Silene densiflora d'Urv. (n. 24.548; 24.548/a; 24.548/b) – ref.: Mém. Soc. Linn. Paris 1: 303 (1822); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Silene latifolia Poir. subsp. *alba* (Mill.) Greuter & Burdet (n. 24.553) – ref.: Willdenowia 12: 189 (1982); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, steppe, 06.06.1996, leg. T. Burac (T. Tofan)

Fam. *Polygonaceae* A. L. de Jussieu, 1789, nom. cons.

Subfam. *Polygonoideae*

Trib *Polygoneae*

Gen *Polygonum* L., 1753

Polygonum amphibium L. f. *aquaticum* Leyss (n. 24.535.) – ref.: Sp. Pl. ed. 1 361 (1753); Republic of Moldova, Glodeni district, com. Camenca, village Camenca (Reefs of Cobani, Butești, Balatina); Stâncă Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan).

Trib *Rumiceae*Gen *Rumex* L., 1755

Rumex aquaticus L. (n. 24.519) – ref.: Sp. Pl. ed. 1 336 (1753); Republic of Moldova, district Fălești, (com.) Călinești, village Călinești, the old riverbed, 06.06.1996, leg. T. Burac (T. Tofan).

Ord. *Santalales* Dumortier, 1829

Fam. *Santalaceae* R. Brown, 1810

Trib *Thesieae*

Gen *Thesium* L., 1753

Thesium dollineri Murb. subsp. *simplex* (Velen.) Stoj. & Stef. (n. 24.036) – ref.: Fl. Balg. ed. 2 312 (1933); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, on limestone reefs, 08.06.1996, leg. T. Burac

Subclas. *Rosidae* Takhtajan, 1967

Ord. *Geraniales* Dumortier, 1829

Fam. *Geraniaceae* A. L. de Jussieu, 1789, nom.cons.

Trib *Geranieae*

Gen *Erodium* L'Herit.

Erodium cicutarium (L.) L'Herit. (n. 24.547) – ref.: W. Aiton, Hort. Kew 2: 414 (1789); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 06.06.1996, leg. T. Burac (T. Tofan).

Ord. *Myrtales* Reichenbach, 1828

Fam. *Onagraceae* A.L. de Juisseau, 1789, nom cons.

Subfam. *Onagroideae*

Trib *Epilobieae*

Gen *Epilobium* L., 1753

Epilobium collinum C. C. Gmel. (n. 24.922; 24.923) – ref.: Fl. Bad. 4: 265 (1826); Republic of Moldova, Ocnița district, village Bîrnova, the meadow, 25.06.1997, leg. T. Burac (T. Tofan).

Epilobium montanum L. (n. 24.046) – ref.: Sp. Pl. 1: 348 (1753); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, meadow, 17.07.1994, leg. T. Burac.

Trib *Onagreae*

Gen *Oenothera* L., 1753

Oenothera parviflora L. (n. 24.034) – ref.: Syst. nat. ed. 10, 2: 998 (1759); Republic of Moldova, Briceni district, the village Drepcăuți, forest in the Prut meadow, 24.06.1995, leg. T. Burac (T. Tofan).

“*fabids*”

Ord. *Celastrales* Baskerville, 1839

Fam. *Celastraceae* R. Brown, 1814

Subfam. *Celastroideae*

Trib *Euonymaeae*

Gen *Euonymus* L., 1753

Euonymus europaeus L. (n. 24.619) – ref.: Sp. Pl. ed. 1 197 (1753); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan)

Ord. *Fabales* Bromhead, 1838

Fam. *Leguminosae* A. L. de Jussieu, 1789, nom. cons.

Subfam. *Papilionoideae* (Giseke, 1792) DC., 1825

Trib *Fabeae* Rchb., 1832

Gen *Lathyrus* L., 1753

Lathyrus hirsutus L. (n. 24.577) – ref.: Sp. Pl. ed. 1 732 (1753); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan)

Lathyrus niger (L.) Bernh. (n. 24.523) – ref.: Syst. Verz. Erfurt 248 (1800); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan)

Lathyrus vernus (L.) Bernh. (n. 24.629) – ref.: Syst. Verz. 247 (1800); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, 05.06.1996, leg. T. Burac (T. Tofan).

Gen *Vicia* L., 1753

Vicia hirsuta (L.) Gray (n. 24.645) – ref.: Nat. Arr. Brit. Pl. 2: 614 (1821); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, pasture, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Vicia sepium L. (n. 24.617) – ref.: Sp. Pl. ed. 1 737 (1753); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Trib *Galegeae*Gen *Astragalus* L., 1753

Astragalus cicer L. (n. 24.575; 24.575/a) – ref.: Sp. Pl. ed. 1 757 (1753); Republic

of Moldova, Glodeni district, (com.) Cobani, village Cobani, forest, 06.06.1996, leg. T. Burac (T. Tofan).

Trib *Trifolieae*

Gen *Medicago* L., 1753

Medicago minima (L.) Bartal. (n. 24. 578) – ref.: Cat. Piante Siena 61 (1776); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, Stînca Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan)

Gen *Trigonella* L., 1753

Trigonella procumbens (Besser) Rchb. (n. 24. 579) – ref.: Pl. Crit. 4: 35 (1826); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Ord. *Fagales* Engler, 1892

Fam. *Fagaceae* Dumortier, 1829

Subfam. *Quercoidae*

Gen *Quercus* L., 1753

Quercus dalechampii Ten. (n. 24.620; 24.620/a) – ref.: Ind. Sem. Horti Neap. 15 (1830); Republic of Moldova, Glodeni district, (com.) Cuhnești, village Cuhnești, steppe, 06.06.1996, leg. T. Burac (T. Tofan).

Quercus petraea (Matt.) Liebl. (n. 24.640) – ref.: Fl. Fuld. 403 (1784); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Fam. *Juglandaceae* DC. ex Perleb, 1818, nom. cons.

Subfam. *Juglandoideae*

Trib *Juglandae*

Gen *Juglans* L., 1753

Juglans nigra L. (n. 24.541) – ref.: Sp. Pl. ed. 1 997 (1753); Republic of Moldova,

Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Ord. *Malpighiales* C. Martius, 1835
Fam. *Euphorbiaceae* A.L. de Jussieu, 1789, nom. cons.
Subfam. *Acalyphoideae*
Trib *Acalypheae*

Gen *Mercurialis* L., 1753

Mercurialis perennis L. (n. 24.625) – ref.: Sp. Pl. ed. 1 1035 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Mercurialis perennis L. (n. 24.625 /a) – ref.: Sp. Pl. ed. 1 1035 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, 06.06.1996, leg. T. Burac (T. Tofan).

Subfam. *Euphorbioideae*
Trib *Euphorbieae*

Gen *Euphorbia* L., 1753

Euphorbia cyparissias L. (n. 24.554; 24.554 /a) – ref.: Sp. Pl. ed. 1 461 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, forest, 06.06.1996, leg. T. Burac (T. Tofan).

Euphorbia esula L. (n. 24. 539) – ref.: Sp. Pl. ed. 1 461 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Euphorbia lingulata Heuff. (n. 24.618) – ref.: *Verhandlungen der Zoologisch-botanischen Gesellschaft in Wien* 8: 192 (1858); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Fam. *Salicaceae* Mirbel, 1815
Trib *Saliceae*

Gen *Populus* L., 1753

Populus alba L. (n. 24. 564) – ref.: Sp. pl. 2: 1034 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Gen *Salix* L., 1753

Salix alba L. (n. 24.561) – ref.: Sp. Pl. ed. 1 1021 (1753); Republic of Moldova, district Falesti, (com.) Chetriș, village Chetriș, steppe, 04.06.1996, leg. T. Burac (T. Tofan).

Salix cinerea L. (n. 24.527) – ref.: Sp. pl. 2: 1021 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, 06.06.1996, leg. T. Burac (T. Tofan).

Salix elaeagnos Scop. (n. 24.562; 24.562 /a) – ref.: Fl. Carn. ed. 2 2: 257 (1772); Republic of Moldova, Glodeni district, (com.) Viișoara, village Moara Domnească, steppe, 06.06.1996, leg. T. Burac (T. Tofan).

Salix triandra L. (n. 24.559) – ref.: Sp. Pl. ed.1 1016 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Moara Domnească, steppe, 26.06.1996, leg. T. Burac (T. Tofan).

Salix purpurea L. (n. 24.560; 24.560/a; 24.560/b; 24.560/c) – ref.: Sp. Pl. ed. 1 1017 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Salix viminalis L. (n. 24.563; 24.563/a; 24.563/b) – ref.: Sp. Pl. ed.1 1021 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Ord. *Rosales* Perleb, 1826

Fam. *Rosaceae* A.I. de Jussieu, 1789, nom.cons.

Trib *Potentilleae*Gen *Potentilla* L., 1753

Potentilla argentea L. (n. 24.530) – ref.: Sp. Pl. ed. 1 497 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, 08.06.1996, leg. T. Burac (T. Tofan).

Trib *Pruneae*

Gen *Prunus* L., 1753

Prunus mahaleb L. (n. 24.528) – ref.: Sp. Pl. Ed. 1 474 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, 06.06.1996, leg. T. Burac (T. Tofan).

Prunus spinosa L. (n. 24.623.) – ref.: Sp. Pl. ed. 1 475 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, 06.06.1996, leg. T. Burac (T. Tofan).

Trib *Pyreae*

Gen *Aronia* Medikus, 1789, nom. cons.

Aronia melanocarpa (Michx.) Elliott (n. 24.594) – ref.: Sketch bot. S. Carolina 1: 556 (1821); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Fam. *Ulmaceae* Mirbel, 1815

Gen *Ulmus* L., 1753

Ulmus laevis Pall. (n. 24.593; 24.593/a) – ref.: Fl. Ross. 1 (1): 75 (1784); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Ulmus minor Mill. (n. 24.591; 24.591/a) – ref.: Gard. Dict. ed. 8 no. 6 (1768); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, 06.06.1996, leg. T. Burac (T. Tofan).

“malvids”

Ord. *Brassicales* Bromhead, 1838

Fam. *Cruciferae* A.L. de Jussieu, 1789, nom. cons.

Trib *Alysseae*Gen *Alyssum* L., 1753

Alyssum alyssoides (L.) (n. 24.531) – ref.: Syst. Nat. ed. 10 2: 1130 (1759); Republic of Moldova, Glodeni district, (com.) Cobani (Reefs of Cobani, Butești, Balatina); Stâncă Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan).

Trib *Brassicaceae*Gen *Brassica* L., 1753

Brassica nigra (L.) W. D. J. Koch (n. 24.637) – ref.: Deutschl. Fl. ed. 3 4: 713 (1833); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, 05.06.1996, leg. T. Burac (T. Tofan).

Trib *Camelineae*Gen *Erysimum* L., 1753

Erysimum repandum L. (n. 24.521) – ref.: *Demonstrationes Plantarum* 17 (1753); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, on the rocks, 06.06.1996, leg. T. Burac (T. Tofan).

Trib. *Euclidieae*

Gen *Euclidium* R. Brown, in W.& W.T. Aiton, 1812, nom.cons.

Euclidium syriacum (L.) Ait. f. (n. 24.633) – ref.: *Hort. Kew* (ed. 2) 4: 74 (1812); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, “La Canton”, 05.06.1996, leg. T. Burac (T. Tofan).

Fam. *Resedaceae* Augier, 1801, ex Martinov, 1820, nom. cons.

Trib. *Resedaeae*Gen *Reseda* L., 1753

Reseda inodora Rchb. (n. 24.555) – ref.: Icon. Fl. Germ. 2: 22 (1838); Republic of

Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Reseda inodora Rchb. (n. 24.556) – ref.: Icon. Fl. Germ. 2: 22 (1838); Republic of Moldova, district Rîșcani, (com.) Braniște, village Braniște, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Reseda lutea L. (n. 24.557) – ref.: Sp. Pl. ed. 1 449 (1753); Republic of Moldova, district Rîșcani, (com.) Braniște, village Braniște, hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Ord. *Malvales* Dumortier, 1829

Fam. *Malvaceae* A. L. de Jussieu, 1789, nom.cons.

Subfam. *Tilioideae*

Gen *Tilia* L., 1753

Tilia cordata Mill. (n. 24. 598) – ref.: Gard. Dict. ed. 8 no. 1 (1768); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, steppe, 06.06.1996, leg. T. Burac (T. Tofan).

Tilia platyphyllos Scop. (n. 24.597) – ref.: Fl. Carn. ed. 2 1: 373 (1772); Republic of Moldova, Glodeni district, (com.) Cuhnești, village Cuhnești, 06.06.1996, leg. T. Burac (T. Tofan).

Tilia tomentosa Moench (n. 24.599) – ref.: Gard. Dict. ed. 8 no. 1 (1768); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, steppe, 06.06.1996, leg. T. Burac (T. Tofan).

Ord. *Sapindales* Dumortier, 1829

Fam. *Sapindaceae* A.L. de Jussieu, 1789, nom. cons.

Subfam. *Hippocastanoideae*

Gen *Acer* L., 1753

Acer negundo L. (n. 24.540) – ref.: Sp. Pl. ed. 1 1056 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Vișoara, steppe, 05.06.1996, leg. T. Burac (T. Tofan).

Subclas. *Asteridae* Takhtajan, 1967

Ord. *Cornales* Dumortier, 1829

Fam. *Cornaceae* Bercht. & J. Persl, 1825, nom. cons.

Gen *Cornus* L., 1753

Cornus sanguinea L. (n. 24.622; 24.622/a) – ref.: Sp. Pl. ed. 1 117 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, 06.06.1996, leg. T. Burac (T. Tofan)

Ord. *Ericales* Dumortier, 1829

Fam. *Balsaminaceae* A. Richard, 1822

Gen *Impatiens* L., 1753

Impatiens parviflora DC. (n. 24.045) – ref.: Prodr. 1: 687 (1824); Republic of Moldova, Briceni district, (com.) Drepcăuți, village Drepcăuți, forest in the Prut meadow, 25.06.1995, leg. T. Burac

Fam. *Primulaceae* Batsch ex Borkh., 1797, nom. cons.

Subfam. *Myrsinoideae*

Trib *Anagallideae*

Gen *Anagallis* L., 1753

Anagallis arvensis subsp. *foemina* (P. Mill.) Schinz & Thellung (n. 24.613) – ref.: *Bulletin de l'Herbier Boissier, sér. 2, 7* (6): 497 (1907); Republic of Moldova, Cahul district, (com.) Văleni, village Văleni, road side, 26.06.1995, leg. T. Burac (T. Tofan).

Trib *Lysimachieae*

Gen *Lysimachia* L., 1753

Lysimachia nummularia L. (n. 24.612) – ref.: Sp. Pl. 1: 148 (1753); Republic of Moldova, Briceni district, village Drepcăuți, forest in the Prut meadow, 24.06.1995, leg. T. Burac (T. Tofan).

Subfam. *Primuloideae* (Batsch ex Borkh., 1787) Kostel., 1834

Trib. *Primuleae*

Gen *Primula* L., 1753

Primula veris L. (n. 24.610) – ref.: Sp. Pl. ed. 1 142 (1753); Republic of Moldova, Glodeni district, com. Viișoara, village Viișoara, Pădurea Domnească natural reserve, 20.04.1995, leg. T. Burac (T. Tofan).

“Iamiids”

Fam. *Boraginaceae* A. L. de Jussieu, 1789, nom. cons.

Subfam. *Boraginoideae* (A. L. de Jussieu, 1789) Am., 1832

Trib *Cynoglosseae*Gen *Cynoglossum* L., 1753

Cynoglossum officinale L. (n. 24.044/a) – ref.: Sp. Pl. ed. 1 134 (1753); Republic of Moldova, Cahul district, village Câșlița Prut, 06.07.1996, leg. T. Burac

Trib. *Lithospermeae*Gen *Myosotis* L., 1753

Myosotis sylvatica Hoffm. (n. 24.041) – ref.: Deutschl. Fl. ed. 1 61 (1791); Republic of Moldova, Glodeni district, com. Viișoara, village Moara Domnească, steppe, Pădurea Domnească natural reserve, 25.06.1995, leg. T. Burac

Myosotis sylvatica Ehrh. ex Hoffmann (n. 24.564; 24.564/a) – ref.: Sp. Pl. ed. 1 1021 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Moara Domnească, 06.06.1996, leg. T. Burac (T. Tofan).

Ord. *Gentianales* Lindley, 1833

Fam. *Rubiaceae* A. L. de Jussieu, 1789, nom. cons.

Subfam. *Rubioideae*

Trib *Rubieae*

Gen *Asperula* L., 1753

Asperula cynanchica L. (n. 24. 533.) – ref.: Sp.Pl. 1: 104 (1753); Republic of

Moldova, Glodeni district, (com.) Cobani, village Cobani (the Reefs of Cobani, Butești, Balatina); Stâncă Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan).

Asperula tenella Heuff. ex Degen (n. 24.039) – ref.: Fl. Exsicc. Austr-Hung. viii, 43 (1899) 1897; Republic of Moldova, Cahul district, (com.) Slobozia Mare, village Slobozia Mare, coastal steppe, 07.07.1996, leg. T. Burac (T. Tofan).

Gen *Galium* L., 1753

Galium mollugo L. (n. 24.518) – ref.: Sp. Pl. ed. 1 107 (1753); Republic of Moldova, district Edinet, (com.) Bădragii Noi, village Bădragii Noi, “at the tall tree”, 28.06.1996, leg. T. Burac (T. Tofan)

Galium rubioides L. (n. 24.646) – ref.: Sp. Pl. ed. 1 105 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Ord. *Lamiales* Bromhead, 1838

Fam. *Labiatae* A.L. de Jussieu, 1789, nom.cons.

Subfam. *Ajugoideae*

Trib. *Ajugeae*

Gen *Ajuga* L., 1753

Ajuga chamaepitys subsp. *chia* (Schreb.) Murb (n. 24.532; 532/a) – ref.: *Plantarum Verticillatarum Unilabiatarum Genera et Species* 24 (1774); Republic of Moldova, Glodeni district, (com.) Cobani (the Reefs of Cobani, Butești, Balatina); Stâncă Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan).

Trib. *Teucriae*

Gen *Teucrium* L., 1753

Teucrium chamaedrys L. (n. 24.600) – ref.: Sp. Pl. ed. 1 565 (1753); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, “Suta de movile” reserve, 17.07.1994, leg. T. Burac (T. Tofan).

Subfam. *Lamioideae*Trib *Lamieae*Gen *Lamium* L., 1753

Lamium purpureum L. (n. 24.605) – ref.: Sp. Pl. ed. 1 579 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, forest in the Prut meadow, 18.04.1996, leg. T. Burac (T. Tofan).

Trib. *Marrubieae*Gen *Marrubium* L., 1753

Marrubium peregrinum L. (n. 24.604) – ref.: Sp. Pl. ed. 1 582 (1753); Republic of Moldova, Glodeni district, (com.) Butești, village Butești, „toltru” rock, 17.07.1994, leg. T. Burac (T. Tofan).

Subfam. *Nepetoideae*Trib *Mentheae*Subtrib *Nepetinae*Gen *Glechoma* L., 1753

Glechoma hederacea L. (n. 24.606) – ref.: Sp. Pl. ed. 1 578 (1753); Republic of Moldova, district Fălești, com. Chetriș, village Chetriș, forest in the Prut meadow, 15.05.1996, leg. T. Burac (T. Tofan)

Subtrib *Menthinae*Gen *Acinos* Mill.

Acinos arvensis (Lam.) Dandy (n. 24. 534.) – ref.: Jour. Ecol. 33: 326 (1946); Republic of Moldova, Glodeni district, (com.) Camenca (the Reefs of Cobani, Butești, Balatina); Stâncă Mare reefs, 08.06.1996, leg. T. Burac (T. Tofan).

Acinos arvensis (Lam.) Dandy (n. 24.607) – ref.: Jour. Ecol. 33: 326 (1946); Republic of Moldova, Glodeni district, (com.) Camenca, village Camenca, „toltru” rocks, 17.07.1994, leg. T. Burac (T. Tofan).

Gen *Clinopodium* L. 1753

Clinopodium vulgare L. (n. 24.927; 24.928) – ref.: *Species Plantarum* 2: 587 (1753); Republic of Moldova, Ocnița district, village Bîrnova, meadow, 25.06.1997, leg. T. Burac (T. Tofan), det. V. M. Danciu.

Subtrib *Salviinae*Gen *Salvia* L., 1753

Salvia moldavica Klokov (n. 24.603) – ref.: Fl. URSS ix 658 (1960); Republic of Moldova, Glodeni district, (com.) Comanca, village Brînzei, “*toltru*” rocks 16.07.1994, leg. T. Burac (T. Tofan)

Subfam. *Scutellarioideae*Gen *Scutellaria* L., 1753

Scutellaria hastifolia L. (n. 24.601.) – ref. Sp. Pl. ed. 1 599 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina; forest in the Prut meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Fam. *Oleaceae* Hoffmannsegg & Link, 1813-1820Trib *Oleeae*Subtrib. *Fraxininae*Gen *Fraxinus* L., 1753

Fraxinus excelsior L. (n. 24.628) – ref.: Sp. Pl. ed. 2 1057 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, 06.06.1996, leg. T. Burac (T. Tofan).

Subtrib *Ligustrinae*Gen *Ligustrum* L., 1753

Ligustrum vulgare L. (n. 24.522) – ref.: Sp. Pl. ed. 1 7 (1753); Republic of Moldova, district Fălești, (com.) Chetriș, village Chetriș, 04.06.1996, leg. T. Burac (T. Tofan).

Fam. *Plantaginaceae* A.L. de Jussieu, 1789, nom cons.
Subfam. *Plantaginoideae* (A.L. de Jussieu, 1789) Eaton, 1836

Gen *Plantago* L., 1753

Plantago altissima L. (n. 24.040) – ref.: Sp. Pl. ed. 2 164 (1762); Republic of Moldova, Briceni district, (com.) Drepcăuți, village Drepcăuți, forest, 23.06.1995, leg. T. Burac

Plantago media L. (n. 24.552; 24.552/a) – ref.: Sp. Pl. ed. 1 113 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Fam. *Scrophulariaceae* A.L. de Jussieu, 1789, nom. cons.
Trib *Scrophularieae*

Gen *Scrophularia* L., 1753

Scrophularia nodosa L. (n. 24.537.) – ref.: Sp. pl. 2: 619 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Gen *Verbascum* L., 1753

Verbascum thapsus L. (n. 24.037) – ref.: Sp. Pl. 1: 177 (1753); Republic of Moldova, Glodeni district, village Glodeni, Pădurea Domnească natural reserve, the hillocks, 25.06.1995, leg. T. Burac.

“*campanulids*”

Ord. *Apiales* Nakai, 1930

Fam. *Umbelliferae* A.L. de Jussieu, 1789, nom cons.

Subfam. *Apioideae*

Trib *Apiaceae*

Gen *Aegopodium* L., 1753

Aegopodium podagraria L. (n. 24.626) – ref.: Sp. Pl. ed. 1 265 (1753); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, 06.06.1996, leg. T. Burac (T. Tofan).

Gen *Falcaria* Fabricius, 1759, nom. cons.

Falcaria vulgaris Bernh. (n. 24.580) – ref. Syst. Verz. Erfurt 176 (1800); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 07.06.1996, leg. T. Burac (T. Tofan).

Gen *Oenanthe* L., 1753

Oenanthe peucedanifolia Pollich. (n. 24.921) – ref.: Hist. Pl. Palat. 1 : 289 (1776); Republic of Moldova, Glodeni district, village Viișoara, Pădurea Doamnească natural reserve, the Prut meadow, 05.06.1996, leg. T. Burac (T. Tofan).

Gen *Seseli* L., 1753

Seseli elatum L. subsp. *osseum* (Crantz) P.W.Ball (n. 24.043) – ref.: Feddes Repert. 79: 64 (1968); Republic of Moldova, district Edineț, (com.) Bădrojii Vechi, village Bădrojii Vechi, coastal steppe, 26.06.1996, leg. T. Burac

Gen *Trinia* G.F. Hoffman, 1814, nom.cons.

Trinia glauca (L.) Dumort. (n. 24.037) – ref.: Fl. Belg. 78 (1827); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, steppe, “toltru” reefs, 08.06.1996, leg. T. Burac

Trib *Scandiceae*Gen *Anthriscus* Persoon, 1805, nom. cons.

Anthriscus cerefolium (L.) Hoffm. (n. 24.634; 24.634/a) – ref.: Gen. Umb. ed. 1 41 (1814); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, forest, 05.06.1996, leg. T. Burac (T. Tofan).

Trib *Peucedaneae*Gen *Peucedanum* L., 1753

Peucedanum palustre (L.) Moench (n. 24.042) – ref.: Meth. 82 (1794); Republic of Moldova, Glodeni district, (com.) Viișoara, village Moara Domneasca, steppe, Pădurea Domnească natural reserve, 25.06.1995, leg. T. Burac

Ord. *Asterales* Lindley, 1833

Fam. *Campanulaceae* A.I. de Jussieu, 1789, nom. cons.

Subfam. *Campanuloideae*

Trib *Campanuleae*

Gen *Campanula* L., 1753

Campanula rapunculoides L. (n. 24.596) – ref.: Sp. Pl. ed. 1 165 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, Pădurea Domnească natural reserve, 06.06.1996, leg. T. Burac (T. Tofan)

Fam. *Compositae* Giseke, 1792, nom.cons.

Subfam. *Asteroideae*

Trib *Anthemideae*

Subtrib *Achilleinae*

Gen *Achillea* L.; 1753

Achillea setacea Waldst. & Kit. (n. 24.565; 24.565/a) – ref.: Pl. Rar. Hung. 1: 82 (1801- 1802); Republic of Moldova, Glodeni district, (com.) Cobani, village Cobani, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan)

Subtrib. *Artemisiinae*

Gen *Artemisia* L., 1753

Artemisia maritima L. (n. 24.621) – ref.: Sp. Pl. ed. 1 846 (1753); Republic of Moldova, Glodeni district, (com.) Balatina, village Balatina, road side, 06.06.1996, leg. T. Burac (T. Tofan)

Trib *Inulae*

Gen *Inula* L., 1753

Inula oculus-christi L. (n. 24. 917) – ref.: Sp. Pl. ed. 1 881 (1753); Republic of Moldova, Rîșcani district, village Braniște, „Suta de movile” natural reserve, the Prut meadow, 07.06.1996, leg. T. Burac (T. Tofan).

Subfam. *Carduoideae*Trib *Cardueae*Subtrib *Carduinae*Gen *Jurinea* Cassini, 1821

Jurinea mollissima Klok. (n. 24.918) – ref.: J. Bot. Acad. Sci. Ukraine vii, No.4, 49 (1951); Republic of Moldova, Rîșcani district, village Braniște, „Suta de movile” natural reserve, the Prut meadow, 07.06.1996, leg. T. Burac (T. Tofan).

Subtrib *Centaureinae*Gen *Centaurea* L., 1753

Centaurea scabiosa L. (n. 24.566) – ref.: Sp. Pl. ed. 1 913 (1753); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 07.06.1996, leg. T. Burac (T. Tofan).

Centaurea solstitialis L. (n. 24.567) – ref.: Sp. Pl. ed. 1 917 (1753); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, 06.06.1995, leg. T. Burac (T. Tofan)

Centaurea stoebe L. (n. 24. 924) – ref.: Sp. pl. 2: 914 (1753); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, the Prut meadow, 11.06.1997, leg. T. Burac (T. Tofan); det. V. M. Danciu

Subtrib. *Echinopsidinae*Gen *Echinops* L., 1753

Echinops exaltatus Schrad. (n. 24.035) – ref.: Hort. Gotting. 1809-1811 15 (1809); Republic of Moldova, Glodeni district, (com.) Vișoara, village Moara Domnească, “Pădurea Domnească” natural reserve, 25.06.1995, leg. T. Burac

Echinops ritro L. subsp. *ruthenicus* (M. Bieb.) Nyman (n. 24.569) – ref.: Consp. fl. eur. 2: 399 (1879); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 06.06.1996, leg. T. Burac (T. Tofan)

Subfam. *Cichorioideae*Trib *Lactuceae*Subtrib *Crepidinae*Gen *Chondrilla* L., 1753

Chondrilla juncea L. (n. 24.920) – ref.: Sp. Pl. ed. 1 796 (1753); Republic of Moldova, Glodeni district, village Cobani, „Suta de movile” natural reserve, the Prut meadow, 07.06.1996, leg. T. Burac (T. Tofan).

Chondrilla juncea L. (n. 24.568; 24.568/a; 24.568/b) – ref.: Sp. Pl. ed. 2. 796 (1753); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, 06.06.1996, leg. T. Burac (T. Tofan)

Subtrib *Hieraciinae*Gen *Hieracium* L., 1753

Hieracium cymosum L. (n. 24.919) – ref.: Sp. Pl. , ed. 2. 2: 1126 (1763); Republic of Moldova, Glodeni district, village Cobani, the „Suta de movile” reefs, the Prut meadow, 07.06.1996, leg. T. Burac (T. Tofan)

Hieracium cymosum L. (n. 24.572) – ref. Sp. Pl. ed. 2 1126 (1763); Republic of Moldova, Rîșcani district, (com.) Braniște, village Braniște, the hillocks, 06.06.1996, leg. T. Burac (T. Tofan)

Hieracium sabaudum L. (n. 24.044) – ref.: Sp. pl. 2: 804 (1753); Republic of Moldova, Cahul district, (com.) Cîșlița-Prut, village Cîșlița-Prut, coastal steppe, 06.07.1996, leg. T. Burac

Subtrib *Scorzonerinae*Gen *Scorzonera* L., 1753

Scorzonera cana (C. A. Mey.) O. Hoffm. (n. 24. 642) – ref.: Natürl. Pflanzenfam. ed. 1 4(5): 365 (1893); Republic of Moldova, Glodeni district, (com.) Viișoara, village Viișoara, irrigation canal, 05.06.1996, leg. T. Burac (T. Tofan).

Gen *Tragopogon* L., 1753

Tragopogon dubius Scop. (n. 24.571) – ref.: Fl. Carn. ed. 2 2: 95 (1772); Republic of Moldova, district Rîșcani, (com.) Braniște, village Braniște, the hillocks, 06.06.1996, leg. T. Burac (T. Tofan)

Ord. *Dipsacales* Dumortier, 1829

Fam. *Adoxaceae* (Dumort., 1827) E. Meyer, 1839, nom. cons.

Gen *Sambucus* L., 1753

Sambucus nigra L. (n. 24.595) – ref.: Sp. Pl. ed. 1 269 (1753); Republic of Moldova, Glodeni district, (com.) Cobani, the village Cobani, 07.06.1996, leg. T. Burac (T. Tofan)

Fam. *Caprifoliaceae* A.L. de Jussieu, 1789, nom. cons.

Trib *Dipsaceae*Gen *Knautia* L., 1753

Knautia arvensis (L.) Coult. (n. 24.925) – ref.: Mem. Dipsac. 29 (1823); Republic of Moldova, Glodeni district, (com.) Comanca, village Butești, the Prut meadow, 11.06.1997, leg. T. Burac (T. Tofan); det. V. M. Danciu

Conclusions

The material presented here includes species collected between 1994 and 1997 on the left bank of the river Prut, within the territory of the Republic of Moldova (the districts Briceni and Ocnița at the northernmost, Edineț, Rîșcani, Glodeni and Fălești, partially representing the mid-Prut area, and also Cahul as the southernmost district, representing the lower Prut). The river Prut has a total length of 976 km, it springs from the Outer Eastern Carpathians (Ukraine) and flows eastward, then much of its course takes a south-east direction and ultimately flows into the Danube river, near Reni. It forms the border between Romania and the Republic of Moldova.

The Republic of Moldova is a country situated in eastern Europe, between Romania to the west and Ukraine to the east. Its relief consists of a hilly plain sloping from northeast to southeast, with an average altitude of 147 m. The regular

landforms are plains, plateaus, hills, and valleys, the general character of the landscape being slightly contrasted due to a relatively uniform erosion and a poor rain gauge. The climate is temperate continental, the average annual temperature increasing from 8-9 °C in the north to 10-11 °C in the south and southeast. The average annual rainfall varies from 600-650 mm in the north and centre to 500-550 mm in the south and southeast. The hydrographic network includes more than 3000 rivers and rivulets, of which 10 are more than 10 km long. The main rivers are the Dniester (1352 km long, 657 km across the country), and the Prut (976 km, 695 km across the country). There are also 60 natural lakes.

Regarding the Prut river, we should also mention here the fact that along the mid-Prut there is a chain of 'reef-type' limestone formations of called the Rocks of Prut (the "*Toltre*" of the Prut), scattered over a distance of about 200 km, from the north of the country (next to Criva) down to Cobani. These „*toltre*" (a word of Polish borrowing) are not right on the Prut river banks but in the riverbed of its tributaries, several kilometers off the left bank of the Prut. These chains of limestone reefs are composed of coral skeletons, molluscs, shellfish, algae, marine animals and organisms that lived in the Tortonian and Sarmatian tropical seas, 10-20 million years ago. They are declared monuments of nature and are protected by law. Such an example is the reserve "Suta de Movile" (1072 ha), unique in its way, situated east of the villages Braniște and Cobani, parallel to the Prut meadow. Here the natural landscape is characterized by a lot of hillocks (more than 3500), oval or elongated, sizing from 1-3 up to 30 m high. The most impressive is the so-called "*Movila Țiganului*". East of the "Suta de Movile" reserve and south to the village Butești, the Camenca river hollowed out a picturesque gorge in the strings of reefs. Here we find the famous Butești reef, surrounded on three sides by the rivulet Camenca and by its tributary, Camencuța. At about 5 km far from the Butești reef, south to the village Cobani, there is "*Stîncă Mare*", the southernmost geological monument in the reef belt of the Middle Prut. This reef, which remained as an exotic island in the middle of farmlands, is a limestone block with a well developed karst system, of geological, paleontological, floristical, zoological, and archaeological interest.

On the right side of the Prut, on Romanian territory, there are three zones of vegetation (forest area, forest-steppe area and steppe area), following approximately the same order from northwest to southeast, while on the left side of the Prut the landscapes have particular features from north to south, resembling in some way those on the right side of the Prut, yet differing in extent and the more representative development of the steppe itself. Thus the northern area of the republic is characterized by steppe and forest-steppe, with mesophilic species

predominating; the centre is characterized by the presence of mixed forests of common oak, beech and oak; the south distinguishes itself by the predominance of downy oak forests and oak and blackthorn forests.

In the region of the Middle Prut we mention the existence of the “Pădurea Domnească” reserve, a law-protected area for conservation of biodiversity, as the main feature of this natural complex given by the river valley itself, which crosses some coral reefs with a unique value in Europe. From here and around this place many specimens presented in this paper were collected (Annex 2).

The scientific reserve „Pădurea Domnească” is located in the meadow of Prut river and is unique in its biodiversity, soil and vegetation types, and landscape. It lies within the district of Glodeni and was founded in 1993. It is situated in the neighbourhood of Cobani, Balatina, Bisericiani, Cuhnești, Moara-Domnească, the district of Glodeni and Chetriș, Călinești, Hâncești, Drujineni and Pruteni in the district of Fălești. Orographically, the reserve is situated in the floodplain of Prut river, between Prut and Camenca. The area of the reserve is of 6032 ha (of which 3054 are forests). The forest in the Prut meadow is one of the most valuable old forests in Europe. The main purpose of the scientific reserve „Pădurea Domnească” is to preserve the most representative floodplain forests, to conserve some rare plant species and animal communities, and to restore the biodiversity of the most characteristic phytocenoses.

Historically, researches on the flora and vegetation of Bessarabia, also including territories on the left side of the Prut river, appeared in the early 20th century when Tr. Săvulescu and T. Rayss (1924-1934) referred to places in the region of the rivers Delia, Tigheci and Sărata in their studies on the flora in Bessarabia, describing some species from the meadows of these rivers. Important contributions were made by Al. Borza (1935) and Em. Țopa (1934), who carried out researches on the flora in Bessarabia, describing species from the Prut river region. More recently, researches were done by Gh. Postolache (1995), Postolache et al. (2006), V. Covali (2009), A. Miron (2008 a.), A. Miron (2008 b.), A. Miron (2009), Tatiana Tofan-Burac (1997, 1998, 1999, 2002, 2004.a, 2004.b), Tofan-Burac T. & Mititelu, D., (1996), Tofan-Burac T. & Chifu T. (1998, 2002). We also mention some researches on the right bank of the Prut river, especially on endangered species (Sârbu I. & Chifu T., 2003), and some materials related to plant diversity in the context of the European strategy for biodiversity conservation [Sârbu Anca (coord.) et al., 2001].

The material was processed by arranging it in systematic order, the taxonomical classification was updated by indicating the accepted names, the location, the date and the author of its collecting. According to the taxonomical classification

employed here (Systema Naturae 2000), the 131 taxa presented belong to 92 genera and 39 families.

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Fig.1. Collecting sites from Republic of Moldova.



Fig. 2. Map of Domneasca Forest Natural Reserve.