

CONTRIBUTIONS TO THE STUDY OF THE VASCULAR FLORA FROM THE MOLDOVIȚA RIVER'S AREA (SUCEAVA COUNTY)

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Resumé: As a result of the studies made in the Moldovița River's area between 2000 and 2003, we identified 624 species of vascular plants.

Key words: vascular flora, Moldovița river's area

Introduction

Being the limit between Obcina Mare and Obcina Feredeului, with an average height of 814 meters, Moldovița River's area is situated at the N-E extremity of the central – European province, which determines a continental – moderate – temperate climate, with some influences from the eastern continental climate and the boreal climate from the North. By its position, Moldovița River's area belongs to the south eastern subdistrict of Bucovina's "Obcine", characterised by higher temperatures and thermal amplitude and lower precipitation [1].

Regarding the vascular flora, the investigated area has been relatively poorly researched, some mentions appearing in papers which offer a general view on the Bucovina's "Obcine" and Suceava county [6, 7, 8, 9, 13, 14], or in papers with an phytocoenological character [5, 10, 11].

Material and method

This floristic epitome is the result of a field-research made between 2000-2003, corelated with notes from the speciality literature.

The epitome contains species identified by us and not quoted before, and also species that have been quoted and confirmed in our field-research. For the taxon's identification were used papers having the following authors: Flora R. P. R. – R. S. R. (1952-1976) [15], Beldie Al. (1977, 1979) [2], Ciocârlan V. (1988-1990, 2000) [3, 4], Sârbu I. and colaborators (2001) [12]. In this epitome, the species are depicted in the botanical family's systematic order, while within the families was used the alphabetical order. The used classification system is the one adopted by Ciocârlan V. [4]. For each species is specified the area within it was found, the locality's name being coded as following: 1 – Argel; 2 – Ciumârna; 3 – Ciumârna ("La Palmă"); 4 – Deia; 5 – Deia; 6 – Demăcușa; 7 – Dragoș; 8 – Frumosu; 9 – Hoghia Mare; 10 – Hoghia Mică; 11 – lunca Moldoviței; 12 – Moldovița – Rașca; 13 – Moldovița; 14 – Paltin; 15 – Adânc rivulet; 16 – Lunguleț rivulet; 17 – Mic rivulet (Demăcușa); 18 – Petac rivulet (Demăcușa); 19 – Turculeț rivulet (Argel); 20 – Valcan rivulet; 21 – Poiana Calului (Ciumârna); 22 – Rașca; 23 – Rașca – Argel; 24 – Săcrieș; 25 – Sereana; 26 – Strâmtura; 27 – Strâmtura – Vama;

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28 – “Trei Mobile”; 29 – Ciumârna rivulet; 30 – Vama; 31 – Vatra Moldoviței; 32 – Vatra Moldoviței – Ciumârna; 33 – Vatra Moldoviței – Paltin

Results and discussions

Fam. *Lycopodiaceae*: *Lycopodium annotinum* L.: 15, 21; *Lycopodium clavatum* L.: 6; *Lycopodium selago* L.: 32; Fam. *Equisetaceae*: *Equisetum arvense* L.: 8, 11, 6, 5, 19, 4, 20, 3, 2, 22, 14, 7; *Equisetum fluviatile* L.: 17; *Equisetum hyemale* L.: 31, 8; *Equisetum palustre* L.: 2, 15, 16; *Equisetum ramosissimum* Desf.: 17; *Equisetum sylvaticum* L.: 1, 5, 19, 15, 16, 17, 18, 22; *Equisetum telmateia* Ehrh.: 5, 4, 20, 7; Fam. *Ophioglossaceae*: *Botrychium lunaria* (L.) Swartz: 9; Fam. *Polypodiaceae* s. str.: *Polypodium vulgare* L.: 4, 31, 15; Fam. *Dennstaedtiaceae*: *Pteridium aquilinum* (L.) Kuhn: 18; 2, 15, 11, 21, 22, 8, 25; Fam. *Aspleniaceae*: *Asplenium trichomanes* L. ssp. *trichomanes*: 4; *Athyrium distentifolium* Tausch ex Opiz: 20; *Athyrium filix-femina* (L.) Roth: 1, 19, 15, 16, 4, 20, 17, 2, 18, 8, 7, 10; *Cystopteris fragilis* (L.) Bernh.: 15, 18; *Cystopteris montana* (L.) Desv.: 16, 6, 19, 15, 21, 4, 20; *Dryopteris carthusiana* (Vill.) H. P. Fuchs: 16, 14, 7, 20, 8; *Dryopteris dilatata* (Hoffm.) A. Gray: 16, 8, 7; *Dryopteris filix-mas* (L.) Schott: 19, 15, 16, 4, 20, 17, 18, 8, 7; *Gymnocarpium dryopteris* (L.) Newman: 1, 6, 19, 15, 4, 18, 8, 32; *Gymnocarpium robertianum* (Hoffm.) Newman: 15, 16, 21, 20; *Matteuccia struthiopteris* (L.) Tod.: 7, 19, 16, 4, 11, 8; *Phegopteris connectilis* (Michx.) Watt: 4, 1, 6, 15, 16, 20, 17, 18; *Polystichum braunii* (Spenner) Fée: 15; *Polystichum setiferum* (Forsk.) Woynar: 15, 16; Fam. *Pinaceae* (*Abietaceae*): *Abies alba* Miller: 19, 15, 16, 21, 4, 20, 17, 8, 7; *Picea abies* (L.) Karsten: 19, 16, 21, 4, 20, 17, 18, 8, 7; *Pinus sylvestris* L.: 15; Fam. *Cupressaceae*: *Juniperus communis* L. var. *communis*: 3, 31; Fam. *Aristolochiaceae*: *Asarum europaeum* L.: 4; Fam. *Ranunculaceae*: *Aconitum degenii* Gayer: 4; *Aconitum firmum* Reichenb. ssp. *hians* (Reichenb.) Gayer: 7; *Aconitum moldavicum* Hacq.: 1, 19, 16, 32; *Aconitum variegatum* L.: 7; *Actaea spicata* L.: 19, 15, 16, 17, 7, 32; *Aquilegia vulgaris* L.: 8; *Caltha palustris* L.: 6, 4, 27, 19, 15, 16, 20, 17, 7; *Isopyrum thalictroides* L.: 15; *Trollius europaeus* L. ssp. *europaeus*: 1, 4, 8, 2, 14, 19, 11, 3; *Anemone nemorosa* L. ssp. *nemorosa*: 4, 5, 8, 15, 16, 7; *Anemone ranunculoides* L.: 4; *Clematis alpina* (L.) Miller: 7, 17; *Clematis vitalba* L.: 7; *Ranunculus acris* L. ssp. *acris*: 6, 11, 8, 7, 2, 19, 4, 20, 32, 22, 14, 9, 10, 25; *Ranunculus carpathicus* Herbich: 7, 4, 8, 15, 16; *Ranunculus cassubicus* L.: 4; *Ranunculus fallax* (Wimmer et Grab.) Sloboda: 4; *Ranunculus ficaria* L.: 4; *Ranunculus flammula* L.: 32; *Ranunculus polyanthemoides* L. ssp. *polyanthemoides* (Boreau) Ahlfvengren: 6, 13, 1, 7, 3, 2, 18; *Ranunculus repens* L.: 16, 8, 11, 2, 7, 19, 4, 20, 17, 32, 6, 9, 25; *Ranunculus sardous* Crantz: 11; *Ranunculus sceleratus* L.: 30, 4; *Ranunculus serpens* Schrank ssp. *nemorensis* (DC.) G. Lopez: 13; *Thalictrum aquilegifolium* L.: 7, 19, 16; *Thalictrum minus* L. ssp. *minus*: 8; Fam. *Fumariaceae*: *Corydalis cava* (L.) Schweigg. et Koerte: 4; *Corydalis solida* (L.) Clairv.: 4; Fam. *Ulmaceae*: *Ulmus glabra* Hudson: 16; Fam. *Cannabaceae* (*Cannabinaceae*): *Humulus lupulus* L.: 30, 32; Fam. *Urticaceae*: *Urtica dioica* L. ssp. *dioica*: 15, 16, 2, 4, 20, 17, 18, 7, 10, 25; Fam. *Fagaceae*: *Fagus sylvatica* L. ssp. *sylvatica*: 19, 15, 16, 4, 20, 18, 8, 7, 32; Fam. *Betulaceae*: *Alnus incana* (L.) Moench: 2, 4, 16, 20, 11, 17, 7; *Betula pendula* Roth: 15, 21; Fam. *Corylaceae*: *Carpinus betulus* L.: 30; *Corylus avellana* L.: 19, 15, 16, 20, 18, 8, 7, 31; Fam. *Caryophyllaceae*: *Arenaria serpyllifolia* L.: 20; *Cerastium arvense* L. ssp. *arvense*: 22; *Cerastium dubium* (Bast.) Guépin: 6; *Cerastium fontanum* Baumg. ssp. *fontanum*: 4, 20, 17, 2, 32, 11, 13, 6, 9, 10, 25; *Cerastium glomeratum* Thuill.: 30; *Cerastium holosteoides* Fries. ampl. Hyl.: 7, 11, 18; *Cerastium semidecandrum* L.: 11; *Cerastium sylvaticum* Waldst. et Kit.: 15, 4; *Dianthus barbatus* L. ssp. *compactus* (Kit.) Heuffell: 1; *Dianthus deltoides* L.: 2, 9, 10, 25; *Dianthus superbus* L.: 14, 32; *Lychnis flos-cuculi* L.: 1, 2, 19, 16; *Lychnis viscaria* (L.) ssp. *viscaria*: 32; *Moehringia muscosa* L.: 6, 15; *Sagina procumbens* L.: 15, 17; *Saponaria officinalis* L.: 19, 20; *Scleranthus annuus* L. ssp. *annuus*: 31; *Scleranthus uncinatus* Schur: 6; *Silene alba* (Miller) E. H. L. Krause: 15, 16, 32; *Silene dioica* (L.) Clairv.: 4, 15, 16, 8; *Silene nutans* L. ssp. *nutans*: 6, 13, 22, 8; *Silene viscosa* (L.) Pers.: 2; *Stellaria graminea* L.: 13, 8, 19, 6, 22, 14, 9, 10, 25; *Stellaria holostea* L.: 7, 5, 2, 4; *Stellaria media* (L.) Vill.: 7, 20, 17; *Stellaria nemorum* L.: 7, 4, 15, 16, 20, 17, 8; *Stellaria uliginosa* Murray: 4; Fam. *Chenopodiaceae*: *Chenopodium album* L. var. *album*: 7, 2, 17; *Chenopodium polyspermum* L.: 7; *Chenopodium strictum* Roth: 7; Fam. *Polygonaceae*: *Polygonum aviculare* L.: 4, 7; *Polygonum bistorta* L.: 7, 19; *Polygonum convolvulus* L.: 31; *Polygonum dumetorum* L.: 7; *Polygonum hydropiper* L.: 7, 2, 4, 20, 17; *Polygonum lapathifolium* L. ssp. *incanum* (F. W. Schmidt) Schübler et Martens: 7, 4, 17, ssp. *lapathifolium*: 7; *Polygonum minus* Huds.: 31; *Polygonum mite* Schrank: 7; *Rumex acetosa* L.: 7, 11, 13, 8, 17, 2; *Rumex acetosella* L. ssp. *acetoselloides* (Balansa) den Nijs: 13, 1, 16, 22, 32; *Rumex alpestris* Jacq.: 10; *Rumex alpinus* L.: 9, 10, 25; *Rumex conglomeratus* Murray: 20; *Rumex crispus* L.: 19, 16, 4, 20, 17, 6, 8; *Rumex obtusifolius* L. ssp. *obtusifolius*: 7, 4, 17, 22, ssp. *sylvestris* Čelak.: 17, 2, 7, 4; Fam. *Grossulariaceae*: *Ribes uva-crispa* L. ssp. *uva-crispa*: 7, 19, 15, 16, 17; ssp. *grossularia* (L.) Reichenb.: 8, 4; Fam. *Crassulaceae*: *Sedum maximum* (L.) Hoffm.: 32; Fam. *Saxifragaceae*: *Chrysosplenium alternifolium* L.: 4, 15; *Parnassia palustris* L.: 2, 17, 3, 18, 28; Fam. *Rosaceae*: *Agrimonia eupatoria* L. ssp. *grandis* (Andrz.) Bormm.: 14; *Alchemilla glaucescens* Wallr.: 9, 10, 25; *Alchemilla monticola* Opiz: 6; *Alchemilla subcrenata* Buser: 28; *Alchemilla vulgaris* L. emend. Fröhner: 6, 11, 13, 8, 19, 15, 20, 4, 17, 3, 2, 18, 7; *Alchemilla xanthochlora* Rothm.: 6, 32; *Aruncus dioicus* (Walter) Fernald: 32; *Filipendula ulmaria* (L.) Maxim. var. *denudata* (J. et C.

Presl.) Maxim: 19, 16, 4, 17, 2, 8, 7; *Filipendula vulgaris* Moench: 8, 11, 3, 2; *Fragaria vesca* L.: 8, 7, 4, 15, 16, 11, 20, 17, 18; *Fragaria viridis* Weston ssp. *viridis*: 19, 21, 4, 20, 8, 7; *Geum allepicum* Jacq.: 15, 17; *Geum montanum* L.: 19, 20; *Geum rivale* L.: 7, 19, 16, 17; *Geum urbanum* L.: 8, 15, 16, 4, 17, 7; *Potentilla anserina* L.: 11, 7, 2, 20, 32; *Potentilla arenaria* Borkh. ssp. *arenaria*: 11, 4; *Potentilla aurea* L.: 21, 20, 9, 10, 25; *Potentilla erecta* (L.) Rausch.: 6, 1, 8, 7, 21, 20, 3, 2, 32, 18, 22, 14, 9, 10, 25; *Potentilla recta* L. ssp. *recta*: 13; *Potentilla reptans* L.: 11, 7, 19, 4, 20; *Potentilla ternata* C. Koch: 9, 10, 25; *Rosa canina* L. s.l.: 13, 5, 20, 2, 15, 7; *Rosa pendulina* L.: 7, 19, 15, 16, 18; *Rubus caesius* L.: 11, 7; *Rubus hirtus* Waldst. et Kit. ssp. *hirtus*: 15, 16, 17, 18, 8, 7, 32, 28; *Rubus idaeus* L.: 19, 15, 16, 4, 20, 17, 2, 8, 7, 32; *Sanguisorba officinalis* L.: 8, 31; *Spiraea chamaedryfolia* L.: 7, 8, 19, 15, 16, 11, 17, 2; *Sorbus aucuparia* L. ssp. *aucuparia*: 4, 7, 19, 15, 16, 21, 20, 18, 8; Fam. *Fabaceae* (*Leguminosae*): *Anthyllis vulneraria* L. ssp. *vulneraria*: 8, 16, 3, 2, 14, 8; *Astragalus glycyphyllos* L.: 7; *Coronilla varia* L.: 8; *Genista tinctoria* L. ssp. *tinctoria*: 8, 14, 9, 25; *Genistella sagittalis* (L.) Gams: 10; *Lathyrus hallersteinii* Baumg.: 17; *Lathyrus pratensis* L.: 6, 8, 4, 20, 17, 3; *Lathyrus tuberosus* L.: 30; *Lathyrus vernus* (L.) Bernh.: 5; *Lotus corniculatus* L.: 6, 11, 13, 1, 8, 19, 3, 2, 32, 18, 22, 14, 7, 9, 10, 25; *Medicago lupulina* L.: 11, 30, 8, 2, 3, 18, 22, 14, 9, 10, 25; *Medicago minima* (L.) L.: 11, 20; *Onobrychis viciifolia* Scop.: 8; *Ononis arvensis* L. ssp. *arvensis*: 2, 1, 6, 18, 14; *Trifolium alpestre* L.: 1, 3, 2, 22, 14, 8, 10, 25; *Trifolium aureum* Pollich: 22; *Trifolium campestre* Schreber: 11, 4, 6, 22; *Trifolium hybridum* L. ssp. *hybridum*: 22; *Trifolium medium* L. ssp. *medium*: 2, 6; *Trifolium montanum* L.: 13, 8, 1, 3, 2, 18, 22, 14, 24; *Trifolium ochroleucon* Hudson: 3, 2, 18, 14; *Trifolium pannonicum* Jacq.: 13, 1, 8; 2, 19, 3, 18, 22, 14; *Trifolium pratense* L. ssp. *pratense*: 6, 11, 4, 8, 19, 20, 17, 3, 2, 18, 22, 7, 9, 10, 25; *Trifolium repens* L. ssp. *repens*: 6, 11, 13, 4, 1, 30, 19, 2, 20, 17, 32, 18, 22, 7, 9, 10, 25; *Trifolium spadiceum* L.: 16; *Vicia cracca* L.: 8, 19, 11, 3, 4; *Vicia sativa* L. ssp. *sativa*: 19, 7, 8; *Vicia sepium* L.: 8; *Vicia sylvatica* L.: 20; Fam. *Lythraceae*: *Lythrum salicaria* L.: 8, 7, 22; Fam. *Onagraceae*: *Chamaerion angustifolium* (L.) Holub: 16, 17, 7; *Chamaerion dodonaei* (Vill.) Holub: 11; *Circaea alpina* L.: 16, 8, 19, 15, 20, 7; *Circaea lutetiana* L.: 15, 4, 18, 8; *Circaea x intermedia* Ehrh.: 15; *Epilobium collinum* C. C. Gmelin: 2, 4; *Epilobium hirsutum* L.: 16, 4, 20, 17, 6, 8; *Epilobium montanum* L.: 19, 15, 16, 4, 20, 17, 18, 8, 7; *Epilobium palustre* L.: 4, 20, 17; *Epilobium parviflorum* Schreber: 7; Fam. *Thymelaeaceae*: *Daphne mezereum* L.: 7, 16, 20, 18, 8, 32; Fam. *Cornaceae*: *Cornus mas* L.: 4; *Cornus sanguinea* L.: 30; Fam. *Santalaceae*: *Thesium alpinum* L.: 4; Fam. *Celastraceae*: *Evonymus verrucosus* Scop.: 5; Fam. *Euphorbiaceae*: *Euphorbia amygdaloides* L.: 5, 7, 15, 16, 4, 20, 18, 8; *Euphorbia carniolica* Jacq.: 1, 19, 16, 17; *Euphorbia cyparissias* L.: 30; *Euphorbia platyphyllos* L.: 19; *Mercurialis perennis* L.: 7, 19, 15, 16, 20, 18; Fam. *Rhamnaceae*: *Frangula alnus* Miller: 7; Fam. *Aceraceae*: *Acer pseudoplatanus* L.: 19, 16, 4, 20, 17, 8, 7; Fam. *Oxalidaceae*: *Oxalis acetosella* L.: 4, 5, 19, 15, 16, 21, 20, 17, 18, 8, 7; Fam. *Geraniaceae*: *Geranium palustre* L.: 8, 32; *Geranium phaeum* L.: 7, 16; *Geranium pratense* L.: 8, 31; *Geranium robertianum* L.: 19, 15, 16, 4, 20, 17, 18, 8, 7; *Geranium sanguineum* L.: 8; Fam. *Balsaminaceae*: *Impatiens noli-tangere* L.: 2, 15, 16, 4, 20, 17, 18, 7; Fam. *Linaceae*: *Linum austriacum* L.: 8; *Linum catharticum* L. ssp. *catharticum*: 13, 1, 8, 19, 3, 22, 14, 10; Fam. *Polygalaceae*: *Polygala amara* L. ssp. *amara*: 5, 3, 2, 14; *Polygala vulgaris* L. ssp. *vulgaris*: 1, 8, 11, 3, 18, 22, 9, 10, 25, 32; Fam. *Apiaceae* (*Umbelliferae*): *Astrantia major* L. ssp. *major*: 8, 32, 14, 4, 3, 2, 7; *Eryngium campestre* L.: 19, 31; *Eryngium planum* L.: 8; *Sanicula europaea* L.: 7, 16, 15, 20, 17; *Aegopodium podagraria* L.: 19, 15, 16, 4, 20, 17, 7; *Angelica sylvestris* L. ssp. *montana* (Brot.) Arcangeli: 19, 4, 22, 14, 8, 7; *Anthriscus sylvestris* (L.) Hoffm.: 4, 19, 16, 7; *Carum carvi* L.: 6, 11, 2, 8, 1, 7, 19, 18, 22; *Chaerophyllum aromaticum* L.: 8, 4, 17, 2, 18, 9; *Chaerophyllum aureum* L.: 7, 8; *Chaerophyllum bulbosum* L. ssp. *bulbosum*: 4; *Chaerophyllum hirsutum* L.: 19, 15, 16, 4, 20, 17, 18; *Chaerophyllum temulum* L.: 4, 7; *Conium maculatum* L.: 7; *Daucus carota* L. ssp. *carota*: 1, 4; *Heracleum sphondylium* L. ssp. *sphondylium*: 6, 8, 3, 2, 14, 7; *Laserpitium latifolium* L.: 4; *Peucedanum oreoselinum* (L.) Moench: 13, 22; *Pimpinella major* (L.) Hudson ssp. *major*: 14; *Pimpinella saxifraga* L. ssp. *saxifraga*: 13, 11, 2, 1, 20, 3, 18, 22, 14; *Torilis arvensis* (Hudson) Link ssp. *arvensis*: 4, 7; Fam. *Hypericaceae*: *Hypericum hirsutum* L.: 7; *Hypericum maculatum* Crantz ssp. *maculatum*: 6, 1, 8, 19, 15, 16, 4, 17, 3, 2, 18, 22, 14, 7, 10, 9, 25; *Hypericum perforatum* L.: 20, 9, 10; Fam. *Tiliaceae*: *Tilia cordata* Miller: 20; Fam. *Malvaceae*: *Malva pusilla* Sm.: 30; *Malva sylvestris* L. ssp. *sylvestris*: 30, 8; Fam. *Violaceae*: *Viola canina* L. ssp. *ruppii* (All.) Schübler et Martens: 7, 5, 22, 8, 9, 25; *Viola declinata* Waldst. et Kit.: 9, 10, 25; *Viola hirta* L.: 11, 7; *Viola mirabilis* L.: 18; *Viola odorata* L.: 24, 8, 5; *Viola reichenbachiana* Jordan ex Boreau: 6, 7, 1; 16, 2, 13, 15, 20, 17; *Viola tricolor* L. ssp. *tricolor*: 1, 2, 22, 8; Fam. *Tamaricaceae*: *Myricaria germanica* (L.) Desv.: 11, 14, 4, 22, 20; Fam. *Brassicaceae* (*Cruciferae*): *Alliaria petiolata* (Bieb.) Cavara et Grande: 30; *Barbarea vulgaris* R. Br. ssp. *vulgaris*: 7; *Bunias orientalis* L.: 8, 1, 4, 32; *Capsella bursa-pastoris* (L.) Medik.: 17; *Cardamine amara* L. ssp. *amara*: 7; *Cardamine flexuosa* With. in Stokes: 7, 15; *Cardamine hirsuta* L.: 4; *Cardamine impatiens* L.: 4, 16; *Cardaminopsis arenosa* (L.) Hayek: 16; *Cardaminopsis halleri* (L.) Hayek ssp. *halleri*: 16, 9; *Cardaria draba* (L.) Desv.: 30; *Dentaria bulbifera* L.: 15; *Dentaria glandulosa* Waldst. et Kit.: 19, 15, 16, 8; *Diplotaxis muralis* (L.) DC.: 33; *Lepidium ruderales* L. (păducherniță): 26; *Rorippa sylvestris* (L.) Besser ssp. *sylvestris*: 7; *Sinapis arvensis* L.: 7; *Sisymbrium officinale* (L.) Scop.: 7; *Thlaspi arvense* L.: 30; *Thlaspi perfoliatum* L.: 30; Fam. *Salicaceae*: *Populus tremula* L.: 15, 21; *Salix alba* L. ssp. *alba*: 7; *Salix aurita* L.: 4; *Salix caprea* L.: 7, 5, 19, 15, 4, 17; *Salix cinerea* L.: 7; *Salix elaeagnos* Scop.: 7, 11; *Salix fragilis* L.: 7, 1, 16; *Salix purpurea* L. ssp. *purpurea*: 4, 20, 11, 7; *Salix silesiaca* Willd.: 16, 17, 8; *Salix viminalis* L.: 20; Fam. *Ericaceae*: *Calluna vulgaris* (L.) Hull: 21; *Vaccinium myrtillus* L.: 5, 8, 6, 15, 21, 10, 25; *Vaccinium vitis-idaea* L.: 6, 21, 10, 25; Fam. *Pyrolaceae*:

Moneses uniflora (L.) A. Gray: 28, 31; Fam. *Monotropaceae*: *Monotropa hypopitys* L.: 4; Fam. *Primulaceae*: *Lysimachia nummularia* L.: 4, 20, 11, 17, 7; *Lysimachia punctata* L.: 30; *Lysimachia vulgaris* L.: 7, 15; *Primula elatior* (L.) L. ssp. *leucophylla* (Pax) H. Harrison ex W. W. Sm. et Fletcher: 5; *Trientalis europaea* L.: 21; Fam. *Gentianaceae*: *Centaurium erythraea* Rafin ssp. *erythraea*: 14; *Gentiana acaulis* L.: 9, 10, 25; *Gentiana asclepiadea* L.: 8, 7, 15, 4, 17, 14, 32; *Gentiana cruciata* L.: 15; *Gentianella austriaca* (A. et J. Kerner) Holub: 2, 14, 3; Fam. *Asclepiadaceae*: *Vincetoxicum hirundinaria* Medikus ssp. *hirundinaria*: 30; Fam. *Oleaceae*: *Fraxinus excelsior* L.: 32; Fam. *Solanaceae*: *Atropa belladonna* L.: 6; *Hyoscyamus niger* L.: 26; *Solanum dulcamara* L.: 20, 12; Fam. *Convolvulaceae*: *Calystegia sepium* (L.) R. Br.: 7; *Convolvulus arvensis* L.: 11, 7; Fam. *Cuscutaceae*: *Cuscuta epithymum* (L.) Nath.: 1; Fam. *Boraginaceae*: *Cynoglossum officinale* L.: 7; *Echium vulgare* L.: 8, 31; *Myosotis arvensis* Hill. ssp. *arvensis*: 22, 8; *Myosotis nemorosa* Besser: 7; *Myosotis scorpioides* L.: 6, 19, 16, 20, 17, 2; *Myosotis sylvatica* Ehrh. ex Hoffm.: 7, 4, 15, 16, 20, 17; *Pulmonaria mollis* Wulfen ex Homem ssp. *mollissima* (A. Kerner) Nyman: 4, 7; *Pulmonaria officinalis* L.: 7, 4, 19, 15, 20; *Pulmonaria rubra* Schott: 15, 16, 17, 18, 8, 7; *Symphytum cordatum* Waldst. et Kit.: 7, 4, 5, 19, 15, 16, 17; *Symphytum tuberosum* L. ssp. *tuberosum*: 8; Fam. *Verbenaceae*: *Verbena officinalis* L.: 30; Fam. *Lamiaceae*: *Ajuga reptans* L.: 7, 19, 15, 20, 18; *Ballota nigra* L. ssp. *nigra*: 31; *Clinopodium vulgare* L.: 15; *Galeopsis speciosa* Miller: 15, 16, 4, 20, 17, 2, 8, 7; *Galeopsis tetrahit* L.: 14, 4, 2, 7; *Glechoma hederacea* L.: 16, 4, 20, 7; *Glechoma hirsuta* Waldst. et Kit.: 19, 15, 18, 8, 7; *Lamium amplexicaule* L.: 30; *Lamium galeobdolon* (L.) L. ssp. *galeobdolon*: 7, 15, 20; *Lamium maculatum* L. ssp. *maculatum*: 15, 16, 4, 17, 2, 7; *Lamium purpureum* L.: 7; *Leonurus cardiaca* L. ssp. *villosus* (Desf. ex Sprengel): 30; *Lycopus europaeus* L.: 2, 7, 20; *Mentha arvensis* L. ssp. *arvensis*: 7; *Mentha longifolia* (L.) Hudson: 8, 11, 2, 7, 15, 16, 4, 20, 31; *Mentha pulegium* L.: 2; *Mentha x piperita* L.: 2; *Mentha x verticillata* L.: 7; *Nepeta nuda* L.: 8; *Origanum vulgare* L.: 8; *Prunella grandiflora* (L.) Scholler: 8, 14; *Prunella vulgaris* L.: 6, 11, 13, 4, 8, 14, 2, 19, 15, 16, 20, 17, 3, 32, 18, 22, 7, 9, 10, 25; *Salvia glutinosa* L.: 32; 19, 15, 16, 4, 20, 17, 2, 18, 8, 7; *Salvia nemorosa* L. ssp. *nemorosa*: 30; *Salvia pratensis* L. ssp. *pratensis*: 8; *Salvia verticillata* L.: 8, 7; *Stachys germanica* L.: 6; *Stachys officinalis* (L.) Trev.: 13, 8, 1, 3, 2, 6, 18, 22, 14; *Stachys sylvatica* L.: 19, 15, 16, 4; *Teucrium chamaedrys* L.: 30; *Thymus pannonicus* All. ssp. *pannonicus*: 30; *Thymus pulegioides* L. ssp. *pulegioides*: 14, 7, 19, 1, 11, 21, 20, 3, 2, 32, 13, 18, 22, 8, 9, 25; Fam. *Callitricheaceae*: *Callitriche cophocarpa* Seudtner: 1, 19, 16, 20; *Callitriche palustris* L.: 1, 2; Fam. *Plantaginaceae*: *Plantago lanceolata* L.: 11, 1, 8, 30, 19, 4, 20, 3, 2, 32, 6, 18, 22, 7, 9, 10, 25; *Plantago major* L. ssp. *major*: 16, 2, 4, 20, 17, 32, 11, 6, 7; *Plantago media* L.: 11, 13, 8, 14, 19, 20, 3, 2, 32, 6, 18, 22, 7, 9, 10, 25; Fam. *Scrophulariaceae*: *Chaenorrhinum minus* (L.) Lange ssp. *minus*: 32; *Digitalis grandiflora* Miller: 8; *Euphrasia officinalis* L. ssp. *pratensis* Schübler et Martens: 6, 11, 1, 8, 2, 20, 3, 32, 18, 22, 14; *Euphrasia stricta* D. Wolff ex J. F. Lehm ssp. *stricta*: 6, 9, 10, 25; *Lathraea squamaria* L.: 5; *Linaria vulgaris* Miller: 30; *Melampyrum arvense* L.: 7; *Melampyrum bihariense* A. Kerner: 7; *Rhinanthus alectorolophus* (Scop.) Pollich: 7; *Rhinanthus angustifolius* C. C. Gmelin ssp. *angustifolius*: 22, 14, 8; *Rhinanthus minor* L.: 6, 13, 1, 8, 7, 19, 3, 2, 18, 22, 14; *Scrophularia nodosa* L.: 15, 16, 11; *Scrophularia scopoli* Hoppe: 2, 23; *Verbascum chalcidii* Vill. ssp. *austriacum* (Schott) Hayek: 2, 8; *Verbascum nigrum* L. ssp. *nigrum*: 8, 32; *Verbascum phlomoides* L.: 8, 1; *Veronica anagallis-aquatica* L.: 7, 2; *Veronica arvensis* L.: 7; *Veronica beccabunga* L.: 4; 16, 7, 19, 20, 17; *Veronica chamaedrys* L. ssp. *chamaedrys*: 7, 15, 9, 10, 25; *Veronica montana* Jusl.: 16, 15; *Veronica officinalis* L.: 8, 7, 19, 15, 4, 20, 9, 10, 25; *Veronica serpyllifolia* L. ssp. *serpyllifolia*: 11, 32; *Veronica verticillata* Jacq.: 19, 15, 7, 28; Fam. *Campanulaceae*: *Campanula abietina* Griseb.: 4, 20, 7, 9, 10, 25; *Campanula glomerata* L. ssp. *glomerata*: 1, 8, 2, 19, 3; *Campanula patula* L.: 11, 1, 8, 7, 19, 17, 18; *Campanula persicifolia* L.: 19, 15, 8; *Campanula rapunculoides* L.: 7, 4, 11, 8; *Campanula rotundifolia* L. ssp. *rotundifolia*: 15; *Campanula serrata* (Kit.) Hendrych: 1, 19, 3, 2, 13, 6, 18, 22, 14, 8, 9, 10, 25; *Campanula sibirica* L. ssp. *sibirica*: 7; *Campanula trachelium* L.: 16, 4, 7; *Phyteuma orbiculare* L.: 16; *Phyteuma tetramerum* Schur: 16; Fam. *Rubiaceae*: *Cruciata glabra* (L.) Ehrend: 13, 7, 5, 19, 1, 20, 3, 6, 22, 14, 8; *Cruciata laevipes* Opiz: 18; *Galium aparine* L.: 7; *Galium mollugo* L.: 7; *Galium odoratum* (L.) Scop.: 7, 19, 15, 16, 4, 20, 18, 8; *Galium palustre* L. ssp. *palustre*: 8, 6, 2, 19, 15, 16, 17; *Galium schultesii* Vest: 1, 16, 4, 8, 7; *Galium uliginosum* L.: 8; *Galium verum* L.: 13, 8, 2, 19, 3, 18, 14, 7; Fam. *Caprifoliaceae*: *Lonicera nigra* L.: 7, 16, 1, 20, 17; *Lonicera xylosteum* L.: 7, 4, 8, 2, 18; *Sambucus ebulus* L.: 30, 7; *Sambucus nigra* L.: 7; *Sambucus racemosa* L.: 4, 5, 8, 7, 2; *Viburnum opulus* L.: 7, 14; Fam. *Valerianaceae*: *Valeriana montana* L.: 4, 20; *Valeriana simplicifolia* (Reichenb.) Kabath: 5; *Valeriana tripteris* L.: 7, 5, 17; Fam. *Dipsacaceae*: *Dipsacus fulonum* L.: 31; *Dipsacus laciniatus* L.: 30; *Knautia arvensis* (L.) Coulter ssp. *arvensis*: 13, 8, 11, 3, 6, 7; *Scabiosa ochroleuca* L.: 8; *Succisa pratensis* Moench: 18, 14; Fam. *Asteraceae* (*Compositae*): *Achillea collina* J. Becker: 13; *Achillea distans* Waldst. et Kit. ex Willd ssp. *distans*: 10, 25, 8; *Achillea millefolium* L. ssp. *millefolium*: 13, 8, 11, 19, 1, 2, 20, 3, 32, 6, 22, 7, 9, 10, 25, 28; *Achillea stricta* (Koch) Schleicher ex Gremli: 31; *Antennaria dioica* (L.) Gaertner: 22, 8, 9, 10, 25; *Arnica montana* L.: 3, 9, 10, 25; *Artemisia abrotanum* L.: 7; *Artemisia absinthium* L.: 30; *Artemisia vulgaris* L.: 27, 4; *Bellis perennis* L.: 4, 11, 14, 19, 16, 20, 17, 32, 6, 7; *Bidens cernua* L.: 2; *Bidens tripartita* L.: 7, 16, 4, 20; *Carduus acanthoides* L.: 9; *Carduus crispus* L. ssp. *crispus*: 7; *Carduus personatus* (L.) Jacq. ssp. *personatus*: 8; *Carlina acaulis* L. ssp. *acaulis*: 1, 8, 31, 19, 2, 13, 22, 14, 9, 10, 25; *Carlina vulgaris* L.: 11; *Centaurea jacea* L.: 8, 6, 19, 4, 17, 3, 2, 11, 22, 14, 7; *Centaurea melanocalathia* Borbás: 1; *Centaurea phrygia* L.: 1, 19, 3, 2, 11, 6, 18, 22, 14, 8; *Cirsium arvense* (L.) Scop.: 11, 22, 4, 20, 12, 17, 32, 7; *Cirsium erisithales* (Jacq.) Scop.: 19, 2, 8; *Cirsium furiens* Griseb.

et Schenk: 19; *Cirsium oleraceum* (L.) Scop.: 19, 16, 4, 17, 2, 8, 7; *Cirsium palustre* (L.) Scop.: 16, 17, 6, 7; *Cirsium rivulare* (Jacq.) All.: 1, 8, 7, 19, 15, 4; *Cirsium vulgare* (Savi) Ten.: 11, 4, 20, 17, 32, 7, 10, 25; *Cirsium waldsteinii* Rouy: 1, 4, 17; *Conyza canadensis* (L.) Cronq.: 11, 20; *Doronicum austriacum* Jacq.: 1, 19, 15; *Erigeron annuus* (L.) Pers. ssp. *annuus*: 11, 13; *Galinsoga ciliata* (Rafin.) Blake: 7, 20; *Galinsoga parviflora* Cav.: 7; *Gnaphalium sylvaticum* L.: 6, 15, 21, 4, 17, 32; *Homogyne alpina* (L.) Cass.: 21, 4, 20, 17, 10, 25; *Inula britannica* L.: 2; *Inula ensifolia* L.: 27; *Inula helenium* L.: 2; *Inula hirta* L.: 30; *Leucanthemum vulgare* Lam. ssp. *vulgare*: 11, 6, 1, 8, 14, 19, 3, 2, 18, 22, 9, 10, 25; *Leucanthemum waldsteinii* (Schultz Bip.) Pouzar: 7, 1, 19, 15, 16, 17, 8; *Matricaria discoidea* DC.: 2; *Matricaria recutita* L.: 31; *Onopordum acanthium* L.: 7, 30; *Petasites albus* (L.) Gaertner: 15, 16, 17, 2; *Petasites hybridus* (L.) P. Gaertner, B. Meyer et Scherb.: 22, 16, 4, 17, 2, 7; *Petasites kablikianus* Tausch: 19, 4, 8; *Senecio jacobea* L. ssp. *jacobea*: 8; *Senecio ovatus* (P. Gaertner, B. Meyer et Scherb.) Willd.: 8, 16, 19, 15, 18, 7; *Senecio paludosus* L.: 4; *Senecio vernalis* Waldst. et Kit.: 7; *Senecio vulgaris* L.: 30, 7; *Solidago virgaurea* L. ssp. *virgaurea*: 8, 7, 10, 25; *Tanacetum corymbosum* (L.) Schultz Bip. ssp. *corymbosum*: 3, 2, 14; *Tanacetum vulgare* L.: 30, 8, 31; *Telekia speciosa* (Schreber) Baumg.: 19, 15, 16, 4, 17, 2, 7, 8; *Tussilago farfara* L.: 11, 5, 19, 15, 4, 20, 17, 3, 2, 7; *Cicerbita alpina* (L.) Wallr.: 1; *Cichorium intybus* L. ssp. *intybus*: 30, 8; *Crepis biennis* L.: 13, 8, 3, 2, 6, 22, 14; *Crepis paludosa* (L.) Moench: 1, 19; *Hieracium aurantiacum* L. ssp. *aurantiacum*: 6, 1, 8, 7, 19, 15, 9, 10, 25; *Hieracium lactucella* Wallr.: 7, 9, 10; *Hieracium murorum* L.: 1, 8; *Hieracium pilosella* L.: 8, 11, 7, 1, 21, 20, 2, 32, 22, 9, 10, 25; *Hieracium prenanthoides* Vill.: 7; *Hieracium transsylvanicum* Heuffel: 14, 1, 19, 15, 16, 21, 4, 20, 8, 7; *Hieracium umbellatum* L.: 14, 9, 10, 25; *Hypochoeris radicata* L.: 11, 13, 8, 19, 1, 20, 3, 6, 22, 14; *Hypochoeris uniflora* Vill.: 14, 9, 10; *Lapsana communis* L. ssp. *communis*: 19, 15, 16, 18, 7; *Leontodon autumnalis* L. ssp. *autumnalis*: 13, 11, 20, 3, 9, 10, 25; *Mycelis muralis* (L.) Dumort.: 19, 15, 16, 4, 20, 18, 8, 7; *Scorzonera rosea* Waldst. et Kit.: 9, 10, 25; *Sonchus arvensis* L. ssp. *arvensis*: 7; *Sonchus oleraceus* L.: 7; *Taraxacum officinale* Weber et Wiggers: 6, 11, 2, 20, 32, 7, 9, 25; *Tragopogon pratensis* L. ssp. *orientalis* (L.) Čelak: 8; Fam. *Alismataceae*: *Alisma plantago-aquatica* L.: 16, 22; Fam. *Potamogetonaceae*: *Potamogeton natans* L.: 4; Fam. *Trilliaceae*: *Paris quadrifolia* L.: 7, 15, 5, 19, 16, 4, 18, 8; Fam. *Liliaceae*: *Veratrum album* L. ssp. *album*: 25, 32; *Colchicum autumnale* L.: 6, 8, 14, 32; *Gagea lutea* (L.) Ker-Gawl.: 4; *Lilium martagon* L.: 2; *Scilla bifolia* L. ssp. *bifolia*: 32; *Maianthemum bifolium* (L.) F. W. Schmidt: 31, 19, 15, 16, 21, 4, 20, 18, 8, 7; *Polygonatum latifolium* (Jacq.) Desf.: 5; *Polygonatum verticillatum* (L.) All.: 19, 15, 16, 17, 2, 18; *Streptopus amplexifolius* (L.) DC.: 15; Fam. *Amaryllidaceae*: *Galanthus nivalis* L.: 3, 32; Fam. *Iridaceae*: *Crocus vernus* (L.) Hill: 32, 3, 4; *Gladiolus imbricatus* L.: 2, 19, 1, 3, 14; Fam. *Orchidaceae*: *Anacamptis pyramidalis* (L.) L. C. M. Richard: 8; *Coeloglossum viride* (L.) Hartman: 9, 6; *Dactylorhiza maculata* (L.) Soó ssp. *schurii* (Klinge) Soó: 7; *Epipactis helleborine* (L.) Crantz: 8, 15, 18; *Goodyera repens* (L.) R. Br.: 15; *Gymnadenia conopsea* (L.) R. Br. ssp. *conopsea*: 1, 8, 19, 3, 2; *Listera ovata* (L.) R. Br.: 15, 18; *Neottia nidus-avis* (L.) L. C. M. Richard: 4; *Platanthera bifolia* (L.) L. C. M. Richard: 31, 15, 3; Fam. *Juncaceae*: *Juncus articulatus* L.: 6, 19, 16, 4, 20, 17, 32; *Juncus bufonius* L.: 15, 22, 20, 17, 2; *Juncus conglomeratus* L.: 17; *Juncus effusus* L.: 8, 6, 19, 16, 4, 20, 17, 2, 32, 7, 9, 10, 25; *Juncus inflexus* L.: 19, 15, 2, 4, 20, 17; *Juncus tenuis* Willd.: 19, 20, 2, 32; *Luzula campestris* (L.) DC.: 14, 7, 3, 18, 9, 10, 25; *Luzula luzuloides* (Lam.) Dandy et Wilmott ssp. *luzuloides*: 8, 6, 19, 15, 16, 21, 4, 20, 17, 10, 25; *Luzula pallescens* Swartz: 30; *Luzula pilosa* (L.) Willd.: 4; *Luzula sylvatica* (Hudson) Gaudin: 19, 15, 4, 17(6), 18, 7; Fam. *Cyperaceae*: *Blysmus compressus* (L.) Panzer ex Link: 19; *Eleocharis palustris* (L.) Roemer et Schultes: 6, 19, 16, 4, 17, 8; *Eriophorum angustifolium* Honck.: 7; *Eriophorum latifolium* Hoppe: 7, 6, 15; *Schoenoplectus lacustris* (L.) Palla: 16; *Scirpus sylvaticus* L.: 8, 6, 7, 19, 16, 4, 17, 2; *Carex acuta* L. ssp. *acuta*: 4; *Carex curta* Good.: 7, 16, 19; *Carex digitata* L.: 15; *Carex echinata* Murray: 6; *Carex flacca* Schreber ssp. *flacca*: 4; *Carex flava* L.: 1, 4, 20, 32; *Carex hirta* L.: 4, 20; *Carex lepidocarpa* Tausch: 7; *Carex montana* L.: 11; *Carex nigra* (L.) Reichard ssp. *nigra*: 8; *Carex ovalis* Good.: 6, 2, 1, 19, 32, 9, 10, 25; *Carex paniculata* L.: 16; *Carex pendula* Hudson: 17, 7; *Carex remota* L.: 16, 15, 4, 7; *Carex rostrata* Stokes var. *rostrata*: 1, 19; *Carex spicata* Hudson: 19; *Carex sylvatica* Hudson: 7, 19, 15, 16, 4, 17, 18; *Carex vesicaria* L.: 19; *Carex vulpina* L.: 19; Fam. *Poaceae* (*Gramineae*): *Briza media* L.: 13, 1, 8, 2, 19, 3, 6, 18, 22, 14, 9, 10, 25; *Cynosurus cristatus* L.: 6, 11, 1, 8, 19, 17, 3, 2, 32, 18, 22, 14, 9, 10, 25; *Dactylis glomerata* L. var. *glomerata*: 6, 13, 8, 15, 19, 4, 11, 17, 3, 2, 14, 7; *Dactylis polygama* Horvátovszky: 15; *Festuca altissima* All.: 15, 16; *Festuca arundinacea* Schreber ssp. *arundinacea*: 4; *Festuca drymeja* Mert. et Koch: 15; *Festuca gigantea* (L.) Vill.: 15, 4, 8, 7; *Festuca nigrescens* Lam.: 9, 10, 25; *Festuca ovina* L. ssp. *ovina*: 31, 23; *Festuca pratensis* Hudson ssp. *pratensis*: 8, 19, 17, 3, 2, 6, 9, 25; *Festuca rubra* L. ssp. *rubra*: 6, 11, 13, 1, 8, 19, 21, 20, 3, 2, 32, 18, 22, 14, 9, 10, 25; *Festuca valesiaca* Schleicher ex Gaudin: 14, 22; *Lolium perenne* L.: 11, 4, 20, 17, 32, 6, 7; *Poa annua* L.: 4, 20, 17, 11, 7; *Poa nemoralis* L.: 19, 15, 4, 7; *Poa palustris* L.: 19, 4, 17, 8; *Poa pratensis* L.: 6, 11, 20, 17, 2, 7; *Poa supina* Schrader: 9; *Poa sylvicola* Guss: 19, 8; *Poa trivialis* L.: 19, 16, 4; *Melica picta* C. Koch: 7; *Melica uniflora* Retz.: 19; *Glyceria fluitans* (L.) R. Br. ssp. *fluitans*: 19, 16; *Glyceria maxima* (Hartman) Holmberg: 2; *Glyceria nemoralis* (Uechtr.) Uechtr. et Koernicke: 8; *Glyceria notata* Chevall.: 19, 15, 16, 4, 20; *Bromus commutatus* Schrader: 30; *Bromus hordeaceus* L.: 6; *Bromus tectorum* L.: 15; *Brachypodium pinnatum* (L.) Beauv. ssp. *pinnatum*: 8, 17; *Brachypodium sylvaticum* (Hudson) Beauv.: 15, 18, 8, 7; *Agrostis capillaris* L. ssp. *capillaris*: 6, 11, 13, 1, 8, 2, 19, 21, 20, 17, 3, 32, 18, 22, 14, 9, 10, 25; *Agrostis stolonifera* L. ssp. *stolonifera*: 11, 19, 16, 2, 4, 5, 20, 17, 32, 7, 8; *Alopecurus aequalis* Sobol.: 20; *Alopecurus geniculatus* L.: 1; *Anthoxanthum odoratum* L.: 6, 11, 1, 19, 3, 2, 32, 18, 22, 14, 9, 10, 25; *Arrhenatherum elatius*

(L.) Beauv. ex J. et C. Presl ssp. *elatus*: 3, 2, 14; *Avenula pratensis* (L.) Dumort.: 3, 14; *Calamagrostis arundinacea* (L.) Roth: 8, 31, 7, 19, 17, 2, 14; *Calamagrostis pseudophragmites* (Haller fil.) Koeler: 20; *Calamagrostis varia* (Schrader) Host: 21; *Calamagrostis villosa* (Chaix) J. F. Gmelin: 19, 15, 7; *Deschampsia caespitosa* (L.) Beauv. ssp. *caespitosa*: 6, 19, 16, 4, 17, 2, 7, 9, 10, 25; *Deschampsia flexuosa* (L.) Trin.: 6, 21, 4; *Elymus caninus* (L.) L. ssp. *caninus*: 15, 17; *Elymus repens* (L.) Gould: 19, 4, 6, 7; *Helictotrichon decorum* (Janka) Hernard: 2; *Holcus lanatus* L.: 6, 11, 8, 4, 17, 3, 2, 32, 18, 22, 14, 7; *Hordelymus europaeus* (L.) C. O. Harz: 15, 16, 18, 7; *Phleum alpinum* L.: 14; *Phleum montanum* C. Koch: 10; *Phleum pratense* L.: 13, 4, 1, 8, 19, 16, 3, 2, 6, 18, 22, 14; *Trisetum flavescens* (L.) Beauv. ssp. *flavescens*: 21, 11, 3, 14; *Danthonia decumbens* (L.) DC.: 8, 21, 18, 22, 9, 10, 25; *Molinia caerulea* (L.) Moench ssp. *caerulea* var. *caerulea*: 8, 3, 14, 32; *Nardus stricta* L.: 6, 21, 2, 9, 10, 25; *Echinochloa crus-galli* (L.) Beauv.: 7; *Setaria pumila* (Poir.) Schultes: 7, 31; Fam. *Typhaceae*: *Typha latifolia* L.: 16; *Typha shuttleworthii* Koch et Sonder: 16, 8, 4; Fam. *Lemnaceae*: *Lemna minor* L.: 2, 22, 19, 16.

Conclusions

As a result of the floristical research done between 2000-2003 in the territory of the Moldovița River's area, were identified 624 species and 121 subspecies, among 104 typical subspecies and 17 atypical subspecies, included in 81 botanical families.

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