

PLANTS FROM THE SPONTANEOUS FLORA OF ROMANIA THAT HAVE DECORATIVE VALUE

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KEYWORDS	ABSTRACT
Decorative plants Plants classification Plants uses Spontaneous flora	From the wild Flora of Romania, approximately 670 species of vascular plants have been cultivated and appreciated, of which there are 430 species that have other uses such as: fodder, wood industry, dyes, medicinal, with special ecological value, food, household uses etc. In order to be able to transplant or sow them in culture conditions, they must find ecological and similar conditions to those from they were harvested in order to grow and fructify normally. Over time, these plants have been easily found in nature, because 445 species are common, 160 are sporadic and 65 are rare. There are numerous examples for each area and vegetation level, for all types of habitats where it is desired to plant specimens appropriate to the local ecological conditions.

INTRODUCTION

The popular names of plants appeared with the formation of Romanian language. They highlight various, cultural and economic aspects, the natural links of man with the surrounding nature.

These were analyzed by folklorists, linguists, botanists, pharmacists, agronomists, foresters, etc. The first encyclopedia containing approximately 500 useful species was written by S. Fl. Marian at the end of the 19th century, but, unfortunately it was entirely published a century later. Subsequently, various ethnobotanical studies appeared. In this study we gathered all the species of flowering plants from the spontaneous Flora of Romanian territory, that were used as decorative plants throughout time.

Many of them are still used in the present. It is a summary that, from the multiple aspects of ethnobotany, highlights the magnitude of only one phenomenon, the aesthetic one.

MATERIALS AND METHODS

Over the years, we have collected plants of economic importance and we overlapped the uses to highlight their goodness. This activity was first designed by Pop I. (1982), then Pârnu C. (1991, 2000-2005, 2007), synthesized a very large volume of Romanian botanical literature to make them known, once again, to the Romanian public. However, the large amount of information that appeared recently calls again for the updating of the goodness of plants with economic and ecological value. In the dictionary of Mîlea Preda (1989), the most spontaneous plants with decorative value are inserted. It is known that with these plants the cultivators pursue well-defined uses, not only for the aesthetic aspects but also for various uses, most of the time to combine the economic aspects with the aesthetic ones.

Only for decorative purposes these plants appear in specially arranged spaces. In the species selected from the spontaneous flora, we were interested in their ecology and distribution in the country in order to know under what conditions they can become cultivated plants.

We used notions of factor indicator species of ecological factors from Hans Elenberg (1992), adapted for Eastern Europe and we further grouped the plants according to their preferences for light, temperature, humidity, pH, nitrogen requirement and concentration of salt from the soil. We also highlighted their distribution by areas and vegetation levels.

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RESULTS AND DISCUSSION

Plants from the spontaneous Flora appreciated by Romanians only as decorative: *Adenophora liliifolia* (L.) A. DC.; *Adenostyles alliariae* (Gouan) Kern.; *Aira elegantissima* Gaudin, *A. elegans* Schur., *A. capillaris* Host.; *A. caryophyllaea* L.; *Ajuga chamaeptytis* L., Ground pine; *A. pyramidalis* L.; *Alchemilla mollis* (Buser.) Rothm., Lady's mantle; *A. pyrenaica* Dufour ssp. *incisa* (Busser) Beldie; *Alisma gramineum* Lej.; *A. lanceolatum* With.; *Allium flavum* L.; *A. schoenoprasum* L. ssp. *schoenoprasum*, ssp. *sibiricum* Čelak; *Alyssum montanum* L.; *A. saxatile* (L.) Desf., Bărbișoară; *Anacamptis pyramidalis* L. C. M. Richard; *Anemone narcissifolia* L., Pasque flower; *A. nemorosa* L., Pasque flower; *A. ranunculoides* L., Pasque flower *A. sylvestris* L.; *Anthericum liliago* L.; *A. ramosum* L.; *Aquilegia transsilvanica* Baumg., Columbine; *Aq. vulgaris* L.; *Arabis alpina* L.; *Arenaria serpyllifolia* L.; *Arum orientale* M. Bieb., Friar's cowl; *Asparagus tenuifolius* Lam.; *A. verticillatus* L.; *Asphodeline lutea* (L.) Rchb.; *Asplenium adianthum-nigrum* L.; *A. viride* Huds., Wall Fern; *Aster alpinus* L., Mountain stars; *A. amellus* L., Michaelmas daisy; *A. linosyris* (L.) Bernh., Stars; *A. tripolium* L., Stars; *Betula nana* L., Dwarf birch; *Botrychium lunaria* (L.) Sv.; *Bruchenthalia spiculifolium* (Salisb.) Rchb., Blackberry; *Bulbocodium versicolor* (Ker Gawl.) Spreng.; *Bupleurum rotundifolium* L.; *Calla palustris* L., Kite's Tail; *Campanula carpatica* Jacq., Thurbale; *C. cochlearifolia* Lam.; *C. glomerata* L., Tassel; *C. medium* L.; *Caragana frutex* (L.) C. Koch; *Cardamine amara* L., ssp. *opizii* (J. et C. Presl) Čelak; ssp. *amara*; *Carex riparia* Curtis; *Centaurea atropurpurea* Waldst. et Kit.; *Cerinthe minor* L., Sleeping; *Cystopteris fragilis* (L.) Bernh., Stone Fern; *Cicerbita alpina* (L.) Wallr., Mountain milkweed; *Consolida orientalis* (J. Gay) Schrödinger, Dolphin flower; *Convolvulus persicus* L., Sand swirl; *Cotoneaster integerrima* Medik.; *C. melanocarpa* Bunge; *Crocus flavus* Weston, Yellow brandishes; *Crocus reticulatus* Stev.; *Cymbalaria muralis* P. Gartn., Bride's flower; *Cypripedium calceolus* L., Lady's slipper; *Cystopteris fragilis* (L.) Bernh., Stone little fern; *Cystopteris montana* (Lam.) Desv.; *Daphne cneorum* L.; *D. laureola* L., Daphne; *Delphinium simonkaianum* Pawl.; *Dianthus armeria* L.; *D. barbatus* L. ssp. *compactus* (Kit.) Heuff., Little Picotee; *D. callizonus* Schott. et Ky., Piatra Craiului's Picotee; *D. compactus* Kit.; *D. carthusianorum* L.; *D. giganteus* D'urv., ssp. *giganteus*, ssp. *banaticus* (Heuff.) Tutin; *D. glacialis* Haenke ssp. *gelidus* (Schott, Nyman et Kotsky) Tutin; *D. henteri* Heuffel ex Griseb. et Schenk.; *D. spiculifolius* Schur, Hungarian beard; *D. tenuifolius* Schur, Red Picotee; *Doronicum austriacum* Jacq.; *Echinocystis lobata* (Michx.) Torr. et A. Gray, Thorny little Pumpkin; *Echinops banaticus* Schrad.; *Echium maculatum* Jacq., Snake's head; *Elodea canadensis* L. C. Rich., Waters's Plague; *Epilobium dodonaei* Vill.; *Eriophorum latifolium* Hoope, Little cottons; *Erysimum witmanni* Zaw. ssp. *transsilvanicum* (Schur) P. W. Ball., Stock. Mountain gillyflower, Wild gillyflower; *Erythronium dens-canis* L., Deer's Tooth, Little Roosters; *Euonymus nanus* Bieb.; *Euphorbia palustris*, Dog's milk; *Fritillaria meleagris* L., Variegated tulip; *F. montana* Hoppe ex W. D. J. Koch.; *Gagea lutea* (L.) Ker-Gawl.; *G. villosa* (Bieb.) Sweet; *Galanthus plicatus* M. Bieb., Snowdrop; *Gentianella austriaca*, A. et J. Kern, Gentian; *Glechoma hirsuta* Waldst. et Kit.; *Gymnocarpium dryopteris* (L.) Newman; *Gypsophylla muralis* L., Bride's wave; *Haplophyllum suaveolens* (DC.) G. Don, Gălbinele; *Hepatica transsilvanica* Fuss., Liverwort; *Hieracium umbellatum* L., Eagle's grass; *H. villosum* Jacq.; *Homogyne alpina* (L.) Cass.; *Hyacinthella leucophaea* (K. Koch) Schur; *Hydrocharis morsus-ranae* L., Frog bit; *H. radicata* L., Pig's weed; *H. uniflora* Vill.; *Iberis saxatilis* L., Sea's tongue; *Inula hirta* L.; *Iris graminea* L.; *I. pumilla* L.; *I. reichenbachii* Heuff.; *I. ruthenica* Gawl.; *Isopyrum thalictroides* L.; *Kochia scoparia* (L.) Schrad.; *Knautia arvensis* (L.) Coult.; *Lamium galeobdolon* (L.) Crantz; *L. maculatum* L., Dead; *Lappula squarrosa* (Retz.) Dumort.; *Legousia speculum-veneris* (L.) Chaix.; *Leontopodium alpinum* (L.) Cass., Edelweiss, Queen's Flower; *Leucojum vernum* L., Snowflakes; *Ligularia sibirica* (L.) Cass.; *Lilium bulbiferum* L., Lily, Emperor's crown; *Lilum carniolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *Limonium belidifolium* (Gouan) Dumort ssp. *danubiale* (Klokov) Roman; *Linum flavum* L., Yellow flax; *L. hirsutum* L., Shaggy flax; *L. tenuifolium* L., Field flax; *Listera ovata* (L.) R. Br.; *Lunaria rediviva* L., Shovel; *Luzula campestris* (L.) DC., Cuckoo's horn; *L. sylvatica* (Huds.) Gaud., Horști; *Lychnis coronaria* (L.) Desr.; *L. flos-cuculi* L.; *L. viscaria* L., Sticky; *Lysimachia thyrsoflora* L.; *Marsilea quadrifolia* L., Four-leaf clover; *Mercurialis annua* L.; *Micromeria pulegium* (Rochel) Benth.; *Minuartia verna* (L.) Hiern.; *Muscari botryoides* (L.) Miller; *Myosotis sylvatica* (Ehrh.) Hoffm., Forget-me-not; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker, wilde daffodils; *Nardus stricta* L., Pig's hair; *Nymphoides peltata* (Gmel.) O. Kuntze; *Oenanthe aquatica* (L.) Poir; *Oreochloa disticha* (Wulfen) Link.; *Oreopteris limbosperma* (Bellardi ex All.) Holub.; *Ornithogalum pyramidale* L.; *O. umbellatum* L.; *Orobanche ramosa* L.; *Paeonia mascula* (L.) Mill., Peony; *P. peregrina* Mill., Romanian Peony; *P. tenuifolia* L., Romanian Peony; *Papaver alpinum* L. ssp. *corona-sancti-stephani* (Zapal.) Borza; *Pedicularis sceptrum-carolinum* L.; *P. sylvatica* L.; *P. verticillata* L.; *Phlomis tuberosa* L.; *Phyteuma orbiculare* L.; *Ph. spicatum* L.; *Ph. tetramerum* Schur., Devil's gun; *Ph. wagneri* A. Kern; *Picris hieracioides* L.; *Plantago arenaria* Willd., Wolf's eyes; *Polygonatum latifolium* (Jacq.) Desf., Rooster's tail; *Polypogon monspeliense* (L.) Desf.; *Polystichum lonchitis* (L.) Roth.; *P. setiferum* (Forsk.) Wayn.; *Prunus fruticosa* Pall., Baragan cherry tree, Dwarf cherry; *Pulicaria vulgaris* Gaertn., Old woman's bag; *Pulsatilla pratensis* (L.) Mill. ssp. *nigricans* (Störch) Zämelis, ssp. *flavescens* (Hazsl.) Holub.; *Pyrus eleagrifolia* Pall., Silver Peer tree; *Ranunculus polyanthemus* L., Rooster's foot; *R. repens* L., Crawling Rooster's foot; *Ribes alpinum* L., Mountain Blackberry; *R. spicatum* E. Robson, Blackberry; *Ruscus hipoglossum* L.; *Sagittaria sagittifolia* L., Water's arrow;

Salix reticulata L., Weeping willow; *Salvinia natans* (L.) All., Salvinia swimming; *Saxifraga aizoides* L., Deaf's grass; *S. corymbosa* Boiss.; *S. oppositifolia* L., Deaf's grass, Mouse's eyes; *S. paniculata* Mill., Mouse's eyes, Deaf's grass; *Scabiosa columbaria* L., Devil's geranium; *Scorzonera purpurea* L.; *Scutellaria alpina* L.; *S. altissima* L., Wolf's mouth; *Sedum alpestre* Vill.; *S. hispanicum* Jusl.; *S. hispanicum* L.; *Sempervivum globiferum* L.; *S. marmoreum* Griseb.; *Senecio aquaticus* Hill ssp. *barbaraeifolius* (Wimm et Grab.) Walters, Chariots's Grass; *S. vernalis* W et K.; *Silene alba* (Mill.) E. H. L. Krause; *S. flavescent* Waldst. et Kit.; *S. noctiflora* L.; *S. pendula* L.; *S. saxifraga* L.; *S. viridiflora* L.; *S. vulgaris* (Moench.) Garcke, Pigeon's Gut/ Gușa porumbelului; *Sisyrinchium montanum* Greene; *Stipa capillata* L., Hairy stipe/ Colilie, Năgară; *S. pennata* L., Stipe; *Stratiotes aloides* L., Pond's scissors; *Streptopus amplexifolius* (L.) DC., Little egg; *Symphytum cordatum* W. et K., Black burdock; *Syringa josikaea* Jacq. F. ex Rchb., Transylvanian Lilac; *Thalictrum aquilegifolium* L.; *Th. flavum* L.; *Th. foetidum* L.; *Th. lucidum* L.; *Th. minus* L.; *Thelypteris palustris* Scott., Pond fern; *Tofieldia calyculata* (L.) Wahlenb.; *Trollius europaeus* L., Bubbles; *Tulipa hungarica* Borbás ssp. *undulatifolia* Roman et Beldie; *T. sylvestris* L.; *Typha minima* Hoppe; *T. schotteworthii* Koch et Sonder; *Utricularia vulgaris*; *Verbascum chaixii* Vill., Cow's tail; *Veronica incana* L.; *V. longifolia* L.; *V. teucrium* L., Little lizard; *Vincetoxicum hirundinaria* Medic. ssp. *hirundinaria*; *Viola alba* Bess., White Viola; *Waldsteinia geoides* Willd.; *W. ternata* (Stephan) Fritsch.; *Xeranthemum annuum* L., Immortal flowers; *X. cylindraceum*.

Plants from the spontaneous Flora of Romania that have both economic uses and decorative value

From immemorial times, spontaneous plants have been brought into cultivation to use them for different purposes. We have 431 species appreciated in the literature of horticulturists for their aesthetic role, for which another 1134 economic uses were found, in total 1565 uses; most of them taken from the Romanian botanical literature.

They are rated according to their economic performance that could be provided when they are used.

Another important criterion that must be taken into account is their spread in the Flora of Romania. We have also introduced their ecology to indicate the value of ecological factors in nature.

Abies alba Mill., wood industry, chemical industry, tannery, decorative, melliferous with good weight, human and veterinary medicine, food, environmental protection;

Abutilon theophrastii Medik., textil plant, medicine, veterinary medicine, household uses, decorative;

Acanthus balcanicus Heywood et I. Richardson, Bear's foot, melliferous with good weight, decorative;

Acer campestre L., wood industry, fuel, domestic uses, medicine, good melliferous, ecological restoration, decorative;

A. platanoides L., melliferous with medium weight, wood industry, fuel, therapeutic uses, medicinal, food, tannery, dye, ecological restoration, decorative;

A. pseudoplatanus L., melliferous with medium weight, wood industry, fuel, household uses, medicinal, food, cosmetic, ecological restoration, decorative;

A. tataricum L., melliferous with heavy weight, wood industry, black bark dye, domestic uses, fuel, edible sap and seeds, toxic, ecological restoration;

Achillea collina (Wirtg.) Heimer, Mouses's tail, medium fodder, medicinal, decorative;

A. millefolium L., Mouses's tail, medium fodder, medicinal, food, veterinary medicine, cosmetic, dye, decorative;

A. pannonica Scheele, Mouses's tail, mediocre fodder, medicinal, decorative;

A. ptarmica L., medicinal, decorative;

Aconitum anthora L., medicinal, toxic, decorative;

A. firmum (Rchb.) Gayer, medicinal, toxic, decorative;

A. lycoctonum L. em. Koelle ssp. *lasistomum* (Rchb. Ex Besser) K. Warncke, toxic, ssp. *moldavicum* (Hacq.) Jalas., toxic; ssp. *vulparia* (Rchb.) Nym. (*A. vulparia*), Aconitum of the wolf, decorative;

Acorus calamus L., Calamus, medicinal, cosmetic, decorative, liquor industry;

Actaea spicata L., medicinal, empirical veterinary medicine, fruits are coloring, decorative, toxic;

Adonis aestivalis L., medicinal, decorative, toxic;

A. annua L., Adonis Annual, decorative, medicinal, toxic;

A. vernalis L., Vernal Adonis, toxic, mediocre melliferous, medicinal, toxic, decorative;

Adoxa moschatelina L., empirical medicine, decorative;

Agrostema githago L., Cockle, toxic weed, poor fodder, decorative;

Agrostis alpina L., Field's grass, week fodder, decorative;

A. rupestris All., mediocre fodder, decorative;

A. stolonifera L., good fodder, decorative;

A. capillaris L., Field's grass/ Iarba câmpului, good fodder, decorative;

Ajuga genevensis L., empirical medicine, popular cosmetics, decorative;

A. reptans L., medicinal, decorative;

Alchemilla xanthochlora Rothm., food, medicinal, veterinary medicine, decorative, cosmetic, ecological restoration;

Alisma plantago-aquatica L., Frog's tongue, melliferous with mediocre weight, toxic, decorative, empiric therapies;

Allium rotundum L., medicinal-food, melliferous, decorative;

A. ursinum L., Wild Garlic, food- culinary, medicinal-alimentary, melliferous with medium weight, poor fodder, decorative;
Alnus glutinosa (L.) P. Gaertn., Black Alder, medicine, empirical veterinary medicine, wood industry, dye and leather industry, decorative, melliferous with low weight, ecological restoration;
A. incana (L.) Moench, White Alder, medicinal, melliferous with medium weight, fuel, dye and leather industry, decorative, ecological restoration;
A. viridis (Chaix) DC., Mountain Alder, medicinal, decorative, ecological restoration;
Alopecurus pratensis L., Fox's tail, very good fodder, decorative;
Althaea cannabina L., Camileac, melliferous with weak weight, decorative, medicinal;
Anchusa azurea Mill., Ox tongue, medium melliferous, phytotherapy, decorative;
A. barrelieri (All.) Vitman, melliferous, decorative;
A. officinalis L., Ox Tongue, ssp. *officinalis* ssp. *procera* (Besser) Ciocârlan, poor fodder, medium melliferous, dye and leather industry, decorative;
Angelica archangelica L., culinary food, medicinal, medium melliferous, veterinary medicine, cosmetics, household uses, decorative;
A. sylvestris L., medicinal-food, yellow-brown dye, melliferous, decorative;
Antenaria dioica (L.) Gaertn., meliferă, decorative, medicinal;
Anthemis cotula L., aromatic plant, decorative;
A. tinctoria L. dyes and leather industry, decorative, therapies;
Anthyllis vulneraria L., poor fodder, medicine, medium melliferous, decorative, ecological restoration;
Arctostaphylos uva-ursi (L.) Spreng., Arctostaphylos grape-bear, culinary food, medicinal, cosmetics, decorative;
Aristolochia clematitis L., Wolf's apple, medium melliferous, medicinal, decorative;
Arnica montana L., poor melliferous, medicinal, veterinary medicine, cosmetics, decorative;
Artemisia absinthium L., White Wormwood, medicinal, ingredient in alcoholic drinks (beverages), insecticidal, fungicide;
A. annua L., decorative, medicinal;
Arum maculatum L., Spotted Arum, empirical therapies, decorative;
Asarum europaeum L., Wolf's Pepper, popular believes, decorative, medicinal, veterinary medicine;
Asparagus officinalis L., Asparagus, medicinal-food, poor melliferous;
Asplenium scolopendrium L., Impetuously, Deer's tongue, Neighbour's tongue, decorative, medicinal;
Asplenium trichomanes (L.) Hoffm., decorative, medicinal;
Astragalus dasyanthus Pall., medicinal, decorative;
A. glycyphyllos L., poor fodder, empirical medicine, ecological restoration, decorative;
Astrantia major L., believes, veterinary medicine, poor melliferous, decorative;
Barbarea vulgaris R. Br., food, medicinal, poor melliferous, dye, toxic;
Bellis perennis L., Little Coins, medicinal, food, poor fodder, medium melliferous, decorative, cosmetics;
Berberis vulgaris L., medicinal, food, medium melliferous, decorative, dye, ecological restoration;
Betula pendula Roth., Birch, medium melliferous, medicinal, cosmetics, wood industry, dye and leather industry, decorative, household industry;
B. pubescens Ehrh. ssp. *carpatica* (Willd.) Asch. et Graebn., Dwarf birch, medicinal, decorative, cosmetics;
Bidens cernua L., empirical medicine, decorative;
B. tripartita L., medicinal, decorative;
Biscutella laevigata L., Glasses, decorative, phytoremediation;
Brachypodium pinnatum (L.) P.B., poor fodder, decorative;
B. sylvaticum (Huds.) P.B., poor fodder, decorative;
Briza media L., Trembeling, Bride's tears, poor fodder, decorative;
Bryonia alba L., decorative, medium melliferous, medicinal, toxic, decorative;
B. dioica Jacq., medium melliferous, toxic, empirical remedies, decorative;
Butomus umbellatus L., Lily of the valley, medicinal, medium melliferous;
Calluna vulgaris (L.) Hull., Black Grass, melliferous, dye and leather industry, decorative, medicinal;
Caltha palustris L., medicinal, toxic, dye, decorative;
Campanula trachelium L., Bells with nettle leaves, medicinal, decorative;
Cardamine pratensis L., popular believes, medicinal, decorative, spices, poor melliferous, toxic;
Carlina acaulis L., popular believes, medicinal, decorative;
Carpinus betulus L., Carpenter, wood industry, decorative, phytotherapy, protect the environment, household uses;
Centaurea cyanus L., medium melliferous, medicinal, cosmetics, decorative, dye;
C. jacea L., popular medicine, medium melliferous, decorative;
C. triumfetti All., medicinal, decorative;
Ceterach officinarum DC., Deer's nail, medicinal, decorative;
Cystopteris fragilis (L.) Bernh., Stone Fern, phytotherapy, decorative;
Chamaenerion angustifolium (L.) Holub, food, medicinal, veterinary medicine, foddered, melliferous, decorative, cosmetics;
Chelidonium majus L., Celandine, medicinal, poor melliferous, decorative, dye, cosmetics, toxic;

Chenopodium botrys L., medicinal, toxic, dye, decorative, flavored;
Cichorium intybus L., Chicory, popular believes, culinary food, poor fodder, medium melliferous, medicinal, dye, dynamic accumulator, biomass source, cosmetics, veterinary medicine;
Circaea lutetiana L., medicinal, decorative;
Clematis recta L., Light, decorative, empirical treatments;
C. vitalba L., Forest cover, empirical treatments, toxic, cosmetics, medium melliferous, household uses, decorative;
Colutea arborescens L., poor melliferous, medicinal, decorative, ecological restoration, toxic;
Consolida regalis Gray, Little Germans, medium melliferous, empirical veterinary medicine, phytotherapy, decorative;
Convolvulus arvensis L., Bindweed, good fodder, meliferă medium melliferous, medicinal, decorative;
Cornus mas L., household uses, culinary food, medicinal, food, medium melliferous, dye industry, decorative, protection of damaged lands;
C. sanguinea L., household uses, medium mellifrous, decorative, phytotherapy, dye, protection of damaged lands;
Cortusa mathioli L., medicinal, decorative;
Corydalis cava (L.) Schweigg. et Körte, decorative, medicinal;
C. solida (L.) Clairv., medicinal, medium melliferous, decorative;
Corylus avellana L. Hazelnut, medicinal, food, cosmetics, medium melliferous, household uses, decorative, protection of deforested lands;
C. colurna L., Turkish Hazelnut, medicinal, food, wood industry, forestry plant, decorative;
Cotinus coggygria Scop., Wig tree, medicinal, decorative, household uses, ecological restoration;
Crambe maritima L. Sea cabbage, culinary food, decorative;
Crambe tataria Sebeók, culinary food, weak melliferous, toxic, decorative;
Crataegus laevigata (Poir.) DC., culinary food, medium melliferous, medicinal, cosmetics, decorative;
C. monogyna Jacq., protects lands, culinary food, medium melliferous, medicinal, decorative, dye, household uses;
C. pentagyna Waldst. et Kit., decorative, medicinal;
Crocus heuffelianus Herb., the spring crocus, mountain crocus, medium melliferous, decorative, dye;
C. reticulatus Stev., dye, decorative;
Cynosurus cristatus L., good forage, decorative;
Cytisus albus Hacq., medium melliferous, decorative, ecological role;
C. hirsutus L., medium melliferous, protects the eroded slopes, decorative, toxic;
C. nigricans L., toxic, soil protection;
Dactylis glomerata L., good fodder, decorative;
Dactylorhiza maculata (L.) Soó, medium melliferous, medicinal, decorative;
Daphne mezereum L., empirical veterinary medicine, medicinal and very toxic, medium melliferous, decorative, dye;
Datura stramonium L., toxic and medicinal, decorative;
Dictamnus albus L., medicinal, decorative, toxic;
Dioscorea communis (L.) Cadick et Wikin., Butter of the Earth, Whistling, dye, medicinal, toxic;
Drosera rotundifolia L., Sky's dew, phytotherapy, cosmetics;
Ecballium elaterium (L.) A. Rich., medicinal and toxic;
Echinops ruthenicus (M. B.) Hay, empiric therapies, melliferous;
Echium vulgare L., Snake grass, weak melliferous, toxic, dye, decorative, medicinal;
Epilobium collinum Gmel., medicinal, decorative;
E. hirsutum L., medium melliferous, medicinal, decorative;
E. montanum L., medicinal, decorative;
E. parviflorum Schur., weak melliferous, medicinal, decorative;
Equisetum telmateja Ehrh., Horsetail, medicinal, veterinary medicine, toxic;
Eryngium maritimum L., medicinal, decorative;
E. planum, L., medium melliferous, medicinal;
Euonymus europaeus L., medium melliferous, medicinal, chemical industry dye, decorative, toxic, protects eroded lands;
E. latifolius (L.) Mill., dye, decorative, ecological restoration, toxic;
Eupatorium cannabinum L., medium melliferous, decorative, medicinal, veterinary medicine;
Fagus sylvatica L., beech, wood industry, chemical industry, oily food, medium melliferous, medicinal, decorative;
Festuca arundinacea Schreber, good fodder, decorative;
F. ovina L., poor fodder;
F. rubra L., good fodder, decorative;
Filipendula ulmaria (L.) Maxim, spicy, human and veterinary medicine, cosmetics, medium melliferous, decorative;
F. vulgaris Moench, Lamb's tail, medicinal, food, weak melliferous, toxic, decorative;
Fragaria vesca L., forest strawberries, culinary food, medium fodder, weak melliferous, medicinal, cosmetics, decorative;
F. viridis Duch., field strawberries, culinary food, meliferă mediocră, medium fodder, medicinal, decorative;
Frangula alnus Mill., human and veterinary medicine, toxic, dye, cosmetics, decorative;
Fraxinus excelsior L., Ash, wood industry, melliferous, medicinal, cosmetics, dye, decorative, protects flooded lands;

F. ornus L., medium melliferous, medicinal, chemical industry, dye, decorative;
F. pallisae Willmott, Pond Ash, Fluffy Ash, wood industry, decorative;
Fritillaria meleagris L., weak melliferous, decorative, toxic;
Galanthus nivalis L., snowdrops, medium melliferous, medicinal, decorative, toxic;
Galega officinalis L., medicinal, cosmetics, weak melliferous, weak fodder, cosmetics, ecological restoration, decorative;
Galium odoratum (L.) Scop., medicinal, dye, decorative;
G. verum L., weak melliferous, medicinal, dye, decorative;
Genistella sagittalis (L.) Gams, empirical medicine, decorative, ecological restoration, toxic;
Genista tinctoria L., toxic, dye, decorative, empirical medicine, ecological restoration;
Gentiana asclepiadacea L., Earth's candle, decorative, human and veterinary medicine;
G. cruciata L., Gentian, human and veterinary medicine, decorative;
G. kochiana Perr. et Song., Cups, Large Cups, decorative, medicinal;
G. lutea L., Gentian, cosmetics, human and veterinary medicine, decorative;
G. pneumonante L., human and veterinary medicine, decorative;
G. punctata L., human and veterinary medicine, decorative;
G. verna L., Spring Gentian, decorative, medicinal;
Geranium macrorrhizum L., decorative, medicinal;
G. palustre Torner, folk beliefs, empirical medicine, toxic, decorative;
G. phaeum L., Cuckoo's hat, decorative, medicinal;
G. pratense L., medium melliferous, decorative, empirical medicine;
G. pusillum Brum, medicinal and toxic, decorative;
G. sanguineum L., Stork's beak, decorative, medicinal;
Geum montanum L., medicinal, decorative;
G. rivale L., weak fodder, decorative, medicinal, cosmetics;
G. urbanum L., medicinal, eatable, cosmetics, decorative;
Gladiolus imbricatus L., Little sword, decorative, medicinal;
Glaucium corniculatum (L.) Rudolph, oily food, decorative, empirical medicine;
G. flavum Crantz, decorative, medicinal;
Glechoma hederacea L., melliferous, decorative, medicinal, food, empirical human and veterinary medicine, cosmetics, toxic;
Glycyrrhiza glabra L. Licorice, aromatic food, medicinal, toxic in higher doses, decorative, ecological restoration;
G. echinata L., Licorice, decorative, ecological restoration;
Gratiola officinalis L., medicinal and toxic, decorative;
Gymnadenia conopsea (L.) R. C. Br., Cuckoo's Tongue, medicinale, decorative;
Gypsophylla paniculata L., Flower of the bride, medicinal and toxic, cosmetics, decorative;
Hedera helix L. Ivy, medium melliferous dye, decorative, medicinal, cosmetics;
Helianthemum alpestre (Jacq.) DC., medicinal, decorative;
H. nummularium (L.) Mill. ssp. *nummularium*, Bone grass, medicinal, decorative;
Helianthus tuberosus L., wild sunflower, weak melliferous, decorative, medicinal, food;
Helichrysum arenarium (L.) Moench., ornamental plant, medicinal, decorative;
Helleborus odoratus Waldst. et Kit., Hellebore, human and veterinary medicine, decorative, toxic;
H. purpurascens Waldst. et Kit., Hellebore, human and veterinary medicine, medium melliferous, decorative, toxic;
Hepatica nobilis Schreb., decorative, medicinal, toxic in high doses;
Heracleum sphondylium L., Bear's sole, Cross's Earth, medicinal, weak melliferous, dye, insecticidal oil;
Hesperis matronalis L., medium melliferous, decorative, medicinal, cosmetics;
H. sylvestris Crantz., medicinal, decorative;
H. tristis L., oily food, good melliferous, decorative;
Hibiscus trionum L., empirical medicine, decorative;
Hieracium aurantiacum L. Little Eagle, medicinal, decorative;
Hippophaë rhamnoides L., Sea buckthorn, weak melliferous, medicinal, food cosmetics, decorative, ecological restoration;
Humulus lupulus L., Hop, aromatic food, medicinal (the cones), cosmetics, dye, decorative;
Hypericum perforatum L., St. John's Grass, medicinal, cosmetics, dye, decorative;
H. tetrapterum Fr., medicinal, decorative;
Hypochoeris maculata L., decorative, empirical medicine;
Ilex aquifolium L., decorative, medicine, gemotherapy, toxic, cosmetics;
Impatiens noli-tangere L., Skinny, empirical medicine, decorative;
Inula conyza DC, Flea's Death, Avrămească, weak melliferous, medicinal, decorative;
I. helenium L., Grand grass, medicinal, cosmetics, dye, decorative;
Iris pseudacorus L., Pond's Iris, Yellow Iris, weak melliferous, decorative;
Isatis tinctoria L., medicinal, medium melliferous, toxic, dye, decorative;
Jasminum fruticans L., Jasmine, decorative, medicinal;

Juniperus communis L. ssp. *communis*, Juniper, aromatic food, weak melliferous, medicinal, decorative, excellent fuel, ssp. *sibirica* aromatic food, medicinal, cosmetics, decorative;
J. sabina Lodd., medicine, decorative, cosmetics, very good insecticide, poisonous, decorative;
Lamium album L., Dried Nettle, White Nettle, medium melliferous, medicinal, cosmetics, edible, decorative;
L. purpureum L., medium melliferous, medicinal, decorative;
Lapsana communis L., Dog's salad, medicinal, weak fodder, decorative;
Larix decidua Mill. ssp. *carpatica* (Dom.) Simon, wood industry, medicinal, chemical industry, decorative;
Lathyrus latifolius L., decorative, slightly toxic seeds, ecological restoration;
L. pratensis L., nitrogen fixer, fodder, decorative;
L. sylvestris L., medicinal, decorative, nitrogen fixer, toxic seeds, good fodder;
L. tuberosus L., medicinal, food, medium melliferous, ecological restoration, fodder, decorative;
Lavathera thuringiaca L., medium melliferous, medicinal, decorative;
Lepidium latifolium L., spicy food, medicinal, decorative;
Leucanthemum vulgare (Vall.) Lam., medicinal, decorative;
Leucojum aestivum L., Pond's snowdrop, dye, decorative, toxic;
Ligustrum vulgare L., Dog wood, medium melliferous, dye, household uses, decorative, medicinal, toxic, ecological restoration;
Lilium martagon L., Forest lily, medium melliferous, decorative, dye;
Limonium gmelini (Willd.) Kuntze, dye, decorative, medicinal;
Linum austriacum L., medium melliferous, medicinal, decorative;
L. perenne L., weak melliferous, decorative, rheumatism;
Lithospermum officinale L., medicinal, dye, decorative;
L. purpureo-caeruleum L., medicinal, decorative;
Lolium perenne L., very good fodder, decorative, medicine;
Lonicera caerulea L., decorative, edible, fruits;
L. nigra L., decorative, gemotherapy;
Lotus corniculatus L., good fodder, medium melliferous, toxic, decorative;
Lunaria annua L., medium melliferous, decorative, medicinal;
Luzula luzuloides (Lam.) Dandy et Wiilmott, Cuckoo's horn, weak fodder, dye, decorative;
Lycium halimifolium Mill., medium melliferous, decorative, ecological restoration, medicinal;
Lycopodium annotinum L., medicinal, toxic, decorative;
L. clavatum L., medicinal, toxic, decorative;
Lysimachia nummularia L., medicinal, decorative;
L. punctata L., decorative, medicinal, weak melliferous;
L. vulgaris L., dye, decorative, medicinal;
Lythrum salicaria L., human and veterinary medicine, medium melliferous, cosmetics, toxic;
Malus sylvestris (L.) Mill., Forest Apple, culinary food, medicinal, food, medium melliferous, dye, wood industry, decorative, ecological restoration;
Malva pusilla Sm., culinary food, medium fodder, weak melliferous, medicinal, dye, decorative;
M. sylvestris L., culinary food, medium fodder, weak melliferous, medicinal, cosmetics, dye, decorative;
Matricaria recutita L., Chamomile, medicinal, dye, cosmetics, fungicidal, decorative;
Melilotus alba Medik., weak fodder, medicinal, insecticide, nitrogen fixer, good melliferous, decorative;
M. officinalis Lam., Yellow Sulphine, aromatic, medium melliferous, medicinal, cosmetics, aromatherapy, ecological importance, weak fodder, toxic, decorative;
Mentha aquatica L., Frog mint, good melliferous, medicinal, decorative;
M. arvensis L., Mint, Deer Mint, good melliferous, medicinal, cosmetics, decorative;
M. longifolia (L.) Natta., Frog Mint, melliferous, decorative, medicinal;
M. pulegium L., Deer basil, aromatic, good melliferous, medicinal, decorative;
Menyanthes trifoliata L., medicinal, decorative;
Myosotis arvensis (L.) Hill., Snake's eye, medicinal, medium melliferous, decorative;
M. palustris (L.) Natta., Forget-me-not, medium melliferous, decorative, medicinal;
Myricaria germanica Desf., empirical medicine, dye, decorative;
Nasturtium officinale (L.) R. Br., Little Button, culinary food, medicinal, cosmetic, toxic, dynamic accumulator, decorative;
Nepeta nuda L., medicinal, medium melliferous, decorative;
Nigella arvensis L., Black caraway, medicinal and toxic, medium melliferous, decorative;
Nuphar lutea Sm., Yellow water lily, dye, decorative, medicinal;
Nymphaea alba L., White water lily, dye, decorative, medicinal;
N. candida C. Presl., White water lily, dye, decorative;
Oenothera biennis L., Evening Primrose, weak melliferous, medicinal, cosmetics;
Ononis spinosa L., Rabbit bone, eatable (2/5), medicinal, decorative, dye, ecological restoration;
O. arenaria Waldst et Kit., medicinal, decorative;

Ophioglossum vulgatum L., Snake's tongue, medicinal, decorative;
Orchis coriophora L., medicinal, decorative;
O. militaris L., medium melliferous, medicinal, decorative;
O. purpurea Huds., medicinal, decorative;
Origanum vulgare L., aromatic, medium melliferous, medicinal, cosmetics, decorative, dye;
Oxalis acetosella L., Rabbit sorrel, culinary and aromatic food, decorative, empirical medicine, toxic;
Oxyria digyna (L.) Hill., weak fodder, leaves are edible (3/5), decorative;
Paliurus spina-christi Mill., Christ's Thorn, empirical treatments, decorative;
Papaver rhoeas L., Field Poppy, medium melliferous, medicinal, cosmetics, toxic, decorative;
Paris quadrifolia L., veterinary empirical medicine, toxic, human medicine, dye, decorative;
Parnasia palustris L., White Lizard, Student's Flower, decorative, medicinal;
Pedicularis exaltata Bess, medicinal, decorative;
P. palustris L., Louse Grass, decorative, weak melliferous, toxic, empirical medicine;
Periploca graeca L., medicinal and toxic, decorative;
Petasites albus (L.) Gaertn., decorative, medicinal;
P. hybridus L. (P. Gaertn.), medicinal, decorative, natural ecological restoration;
Phragmites australis (Cav.) Trin., Cane, chemical industry, artisanal constructions, it was rarely used in empirical medicine;
Physalis alkekengi L., medicinal, decorative, fruits are edible, cosmetics;
Phyteuma wagneri A. Kern., Coals, decorative, medicinal;
Picea abies (L.) H. Karst., Spruce, wood industry, chemical industry, cellulose industry, tannery, good melliferous, medicinal, cosmetics;
Pinus cembra L., decorative, medicinal, ecological restoration;
P. mugo Turra, medicinal, decorative, chemical industry, ecological restoration;
P. sylvestris L., wood industry, chemical industry, paper production, household uses, decorative, ecological restoration, weak melliferous, medicinal, cosmetics, red-yellow dye is obtained from the cones;
Plantago arenaria Willd., Wolf's eye, medicinal, decorative;
P. argentea Chaix, weak fodder (1/5), decorative, detoxifying;
Platanthera bifolia (L.) L. C. Rich., medicinal, decorative;
Plumbago europaea L., Common leadwort, dye, medicinal;
Poa pratensis L., very good fodder (4/5), ssp. *angustifolia*, fodder (2/5), decorative;
P. trivialis L., good fodder (3/5), decorative;
Polemonium caeruleum L., medium melliferous, medicinal, decorative;
Polygonatum multiflorum (L.) All., Rooster's tail, medicinal and toxic, cosmetics, decorative;
P. odoratum (Mill.) Druce, Solomon's Seal, medicinal and toxic, dye, decorative, cosmetics;
Polygonum bistorta L., edible (3/5), medicinal, cosmetics, decorative;
Polypodium vulgare L., Sweet Fern, medicinal and toxic, decorative;
Populus alba L., White Poplar, medium melliferous, wood industry, medicinal, decorative, yellow dye is obtained from the bark, ecological restoration;
P. nigra L., Black Poplar, medium melliferous, medicinal, wood industry, chemical industry, decorative, ecological restoration;
P. tremula L., Trembling Poplar, medium melliferous, medicinal, cosmetics, wood industry, chemical industry, decorative, ecological restoration;
Portulaca oleracea L., Fat Grass, culinary food, decorative, medicinal, ecological restoration;
Potentilla alba L., Five fingers, weak melliferous, decorative, medicinal;
P. anserina L., Crab tail, poor edibility, weak melliferous, medicinal, veterinary medicine, toxic, dye, decorative, cosmetics;
P. arenaria Borkn, Dagger's weed, medicinal, decorative;
P. argentea L., Potentilla silver, decorative, medicinal;
Primula veris L., Cuckoo's Primrose, medium melliferous, culinary food, medicinal, veterinary medicine, cosmetics, decorative;
P. vulgaris Huds., Common Primrose, medicinal, weak melliferous, decorative;
Prunella grandiflora (L.) Scholler, decorative, medicinal;
P. vulgaris L., Deer Basil, medicinal, medium melliferous, decorative;
Prunus avium L., Wild Cherry, culinary food, good melliferous, dye, decorative, medicinal, wood industry, rootstock, ecological restoration;
P. mahaleb L., Turkish Cherry, dye, rootstock, wood industry, decorative, ecological restoration;
P. padus L., culinary food (3/5), contains cyanogenetic alkaloids (Zanoschi V. și colab., 1981), medicinal, veterinary empirical medicine, good melliferous, wood industry, decorative, environmental protection;
Pulicaria dysenterica (L.) Gaertn., Lady's bag, dye, weak melliferous, medicinal, decorative;
Pulmonaria mollis Wulfen, Bear's honey, medium melliferous, decorative, dye, medicinal;
P. officinalis L., Bear's honey, medicinal, cosmetics, medium melliferous, dye, decorative;

P. rubra Schott., Bear's honey, medicinal, decorative;
Pulsatilla montana (Hoppe) Rchb., medicinal, dye, decorative;
P. pratensis (L.) Mill. ssp. *nigricans*, ssp. *flavescens* (Hazzl.) Holub, toxic, dye, decorative;
Pyrus pyrausta (L.) Burgsd., Wild Pear, culinary food, medicinal, medium melliferous, wood industry, ecological restoration, decorative;
Quercus cerris L., edible seeds, medicinal, wood industry, decorative, dye;
Q. frainetto Ten., edible seeds, medicinal; wood industry, decorative, dye;
Q. pedunculiflora K. Koch, wood industry, decorative, ecological restoration, medicinal;
Q. petraea (Mattuschka) Leibl., Evergreen oak, edible seeds, medicinal, wood industry, medium melliferous, cosmetics, dye, decorative;
Q. polycarpa Schur, Transylvanian oak, wood industry, decorative;
Q. pubescens Willd, Downy oak, medicinal, dye, wood industry, decorative;
Q. robur L., Oak, wood industry, medium melliferous, medicinal, decorative, dye, leather industry, ecological restoration, it has very low toxicity (Zanoschi V. și colab., 1981);
Ranunculus acris L., Cock's foot, toxic, empirical medicine, decorative;
R. ficaria L. ssp. *calthifolius* (Rchb.) Arcang., ssp. *bulbifer* Lambinon, culinary food, medicinal, toxic, decorative;
R. iliricus L., empirical treatments, dye, decorative;
Reseda lutea L., medium melliferous, medicinal, insect repellent (Khalid Rehman et al., 2015), decorative;
Rhamnus cathartica L., medicinal and toxic, dye, medium melliferous, good wood for turning, decorative;
Rhododendron myrtifolium Schott et Kotsky, dye, toxic, decorative, anti-erosion, protects the soil;
Ribes nigrum L., Blackcurrant, culinary food, medicinal, medium melliferous, dye;
Rosa arvensis Huds., culinary food, medium melliferous, medicinal, decorative;
R. canina L., Wilde Rose, culinary food, medium melliferous, medicinal, cosmetics, decorative, dye, restoration of eroded and alluvial lands;
R. gallica L., Field rose, decorative, medicinal;
R. pendulina L. Mountain Rose, Rock rose, culinary food, medium melliferous, medicinal, ecological restoration, decorative;
Rubus caesius L., Blackberry stubble, empirical treatments, culinary food, medium melliferous;
R. idaeus, Raspberry, culinary food, very good melliferous, cosmetics, decorative, ecological restoration;
Rumex acetosa L., Sorrel, medicinal, culinary food, decorative, dynamic accumulator;
R. acetosella L., Small Sorrel, medicinal, cosmetics, dye, leaves are edible (4/5) only in small quantity because they contain oxalates, decorative, dynamic accumulator;
R. alpinus L., medicinal, decorative, leaves are edible 4/5, dye;
Ruscus aculeatus L., Thorn, decorative, medicinal, cosmetics;
Salix alba L., Willow, fodder, good melliferous, cosmetics, wood industry, paper industry, household uses, medicinal, dye, ecological restoration, decorative;
S. cinerea L., good melliferous, household uses, medicinal, ecological restoration, decorative;
S. daphnoides Vill., decorative, medicinal, ecological restoration;
S. elaeagnos Scop., Mountain willow, medium melliferous, wood industry, ecological restoration, decorative;
S. fragilis L., Fragile willow, medium fodder, medium melliferous, medicinal, wood industry, household uses, decorative, ecological restoration;
S. pentandra L., Willow, decorative, medicinal, household uses, decorative;
S. purpurea L., Red Willow, medium melliferous, medicinal, household uses, ecological restoration, decorative;
S. rosmarinifolia L., Creeping Willow, ecological restoration, decorative;
S. triandra L., Willow, medium melliferous, medicinal, wood industry, dye, ecological restoration;
S. viminalis L., dye, medium melliferous, medicinal, household uses, decorative, ecological restoration;
Salvia aethiopsis L., St. John's grass, melliferous, medicinal, decorative;
S. glutinosa L., medicinal, decorative;
S. nemorosa L., Field Sage, medicinal, mediocre melliferous, decorative;
S. pratensis L., Jaleș, Field Sage, medium melliferous, decorative;
S. sclarea L., St. John's Grass, medicinal, medium melliferous, decorative, perfume industry;
S. verticillata L., Rabbit's ear, medium melliferous, decorative;
Sambucus nigra L., Elderberry, medium melliferous, medicinal, cosmetics, dye, decorative;
S. racemosa L., Red Elder, medicinal, decorative;
Sanguisorba minor L., medium fodder (2/5), medicinal, decorative;
S. officinalis L., medium fodder (3/5), culinary food, medicinal, decorative;
Saponaria officinalis L., medicinal, cosmetics, toxic, dye, decorative;
Scabiosa ochroleuca L., medicinal, medium melliferous, decorative;
Scilla bifolia L., Bluebell, medium melliferous, toxic, dye, decorative;
Scopolia carniolica Jacq., medicinal and toxic, decorative;
Scrophularia umbrosa Dumort., Black Grass, medicinal, decorative;

Sedum acre L., Fat Grass, medicinal, decorative;
S. maximum (L.) Hoffm., Fat Grass, medicinal, decorative;
Selaginella helvetica (L.) Spreng., medicinal, decorative;
Senecio erucifolius L., Cruciferous, toxic and medicinal, decorative;
Serratula tinctoria L., Yellowing, medium melliferous, dye, empirical medicine, decorative;
Seseli libanotis (L.) Koch, phytotherapy, decorative;
Solanum dulcamara L., dye, decorative, medicinal and toxic, cosmetics, decorative;
Solidago virgaurea L., decorative, medicinal, cosmetics, dye, weak melliferous,
Sorbus aucuparia L., empirical medicine, cosmetics, medium melliferous, wood industry, chemical industry, dye, decorative, ecological restoration;
S. domestica L., culinary food, medicinal, decorative, wood industry, ecological restoration;
S. torminalis (L.) Crantz, culinary food, medium melliferous, wood industry, dye, decorative, ecological restoration;
Sorghum halepense (L.) Pers., empirical medicine, very good fodder, toxic, decorative;
Stachys germanica L., medium melliferous, medicinal, decorative;
S. officinalis (L.) Trev., medicinal, melliferous, cosmetics, decorative;
Staphylea pinnata L., decorative, empirical therapies;
Succisa pratensis Moench., empirical medicine, decorative;
Symphytum officinale L., weak fodder, medium melliferous, empirical veterinary medicine, medicinal, cosmetics, toxic, decorative, dye;
Syringa vulgaris L., Lilac, cosmetics, medicinal, decorative, dye, weak melliferous, ecological restoration;
Tamarix ramosissima Ledeb., dye, decorative, medicinal, melliferous, ecological restoration;
Taraxacum officinale (L.) Webb., Dandelion, good fodder, medium melliferous, culinary food, medicinal, cosmetics, decorative;
Telekia speciosa Baumg., empirical medicine, medium melliferous, decorative, dye;
Teucrium polium L. ssp. *capitatum* (L.) Arcang., decorative, medicinal, medium melliferous;
T. scordium L., decorative, medicinal, medium melliferous;
Thymus serpyllum Fries, medium melliferous, medicinal, dye, decorative;
Tilia cordata Mill., good melliferous, medicinal, wood industry, dye, household uses, decorative, restoration of degraded lands, cosmetics;
T. platyphyllos Scop., Large leaf Linden, good melliferous, medicinal, wood industry, decorative, ecological restoration;
T. tomentosa Moench., Silver Linden, White Linden, very good melliferous, medicinal, wood industry, dye, decorative, cosmetics, restoration of degraded lands;
Tragopogon porrifolius (L.), Goat's Beard, medicinal, decorative;
Trapa natans L., Pond Thistles, culinary food, medicinal, decorative;
Trifolium hybridum L., very good fodder, medium melliferous, decorative, ecological restoration;
T. pratense L., Red Clover, very good fodder, medium melliferous, toxic, decorative, medicinal, ecological restoration, cosmetics;
T. repens L., Creeping White Clover, very good fodder, good melliferous, toxic, empirical medicine, ecological restoration, decorative;
T. rubens L., medium fodder, medium melliferous, decorative;
Typha angustifolia L., Cattail, household uses, chemical industry, cellulose and paper industry, decorative, cosmetics;
Ulmus glabra Huds., Mountain Elm, medium melliferous, wood industry, decorative, ecological restoration, phytotherapy;
U. minor Mill., Field Elm, medium melliferous, household uses, natural therapies, ecological restoration, cosmetics, decorative;
U. laevis Pall., wood industry, decorative;
U. procera Salisb., Field Elm, medium melliferous, wood industry, decorative, ecological restoration, rarely in phytotherapy;
Vaccinium myrtillus L., Blueberry, culinary food, medicinal, medium melliferous, decorative, cosmetics, dye;
V. oxycoccus L., culinary food, medicinal, decorative;
V. uliginosum L., Bluish Blueberry, medium melliferous, decorative, dye, medicinal;
V. vitis-idaea L., Cranberry, culinary food, medium melliferous, medicinal, dye, decorative;
Valeriana montana L., empirical medicine, decorative;
V. officinalis L., medicinal, medium melliferous, decorative, cosmetics;
V. sambucifolia J. C. Mikan, medicinal, decorative;
Vallisneria spiralis L., Water's Spiral, decorative, phytotherapy;
Veratrum album L., medicinal and toxic, veterinary medicine, decorative;
V. nigrum L., medicinal, toxic, veterinary medicine, decorative;
Verbascum densiflorum Bertol., Cow's tail, medicinal, decorative;
V. nigrum L., Fish Candle, medium melliferous, medicinal, toxic, veterinary medicine, decorative;
V. phlomoides L., Candle, medium melliferous, medicinal and toxic, decorative;
V. phoeniceum L., medium melliferous, medicinal, decorative;
V. thapsus L., Cow's tail, medium melliferous, medicinal, decorative, cosmetics;

Veronica beccabunga L., culinary food, decorative, cosmetics;
V. officinalis L., medium melliferous, medicinal, cosmetics, weak fodder, decorative;
V. orchidea Cr., weak melliferous, empirical medicine, decorative;
V. spicata L., decorative, empirical medicine;
Viburnum lantana L., phytotherapy, medium melliferous, household uses, decorative, ecological restoration, cosmetics, fruit growing;
V. opulus L., medium melliferous, medicinal, toxic, dye, decorative, cosmetics;
Vinca minor L., weak melliferous, medicinal, decorative;
Viola biflora L., Sweet Yellow Violet, medicinal, decorative;
V. canina L., medium melliferous, decorative;
V. odorata L., Violet, medium melliferous, medicinal, decorative, cosmetics;
V. reichenbachiana Jord. ex Boreau, decorative, phytotherapy;
V. tricolor L., Three spotted brothers, medicinal, decorative, dye, cosmetics;
Viscaria vulgaris Bernh., Sticky, weak melliferous, decorative;
Viscum album L., Mistletoe, medicinal, toxic, decorative, cosmetics.

Toxic and medicinal: *Acinos alpinus* (L.) Moench.; *A. arvensis* (Lam.) Dandy; *Aconitum anthora* L.; *A. firmum* (Rchb.) Gayer; *A. lycoctonum* L. em. Koelle, ssp. *lasiosomum* (Rchb. ex Besser) K. Warnacke, ssp. *moldavicum* (Hacq.) Jalas, ssp. *vulparia* (Rchb.) Nym.; *A. napellus* L. ssp. *firmum* (Rchb.) Gayer; *A. tauricum* Wulf.; *Acorus calamus* L.; *Actaea spicata* L.; *Adonis aestivalis* L., *A. annua* L.; *A. flammea* Jacq.; *A. vernalis* L.; *Aethusa cynapium* L.; *Agrostema githago* L.; *Alisma plantago-aquatica* L.; *Alkana tinctoria* (L.) Tausch.; *Alliaria petiolata* (M. Bieb.) Cavara et Grande; *Amaranthus angustifolius*; *A. blitum* L.; *A. retroflexus* L.; *Anchusa azurea* Mill.; *Anagallis arvensis* L.; *Andromeda polifolia* L.; *Anemone nemorosa* L. ssp. *nemorosa*, ssp. *altaica* (Fisch. ex C. A. Mey) Korsh.; *A. ranunculoides* L.; *Aquilegia vulgaris* L.; *Aristolochia clematitis* L.; *A. lutea* Desf.; *Arnica montana* L.; *Arum maculatum* L.; *A. orientale* M. Bieb.; *Asarum europaeum* L.; *Barbarea vulgaris* R. Br.; *Berberis vulgaris* L.; *Betula pendula* Roth.; *B. pubescens* Ehrh.; *Bryonia dioica* Jacq.; *Butomus umbellatus* L.; *Calla palustris* L.; *Caltha palustris* L.; *Calystegia sepium* (L.) R. Br.; *Capsella bursa-pastoris* (L.) Medik.; *Cardamine pratensis* L.; *C. draba* (L.) Desv.; *Chelidonium majus* L.; *Chenopodium botrys* L.; *Chimaphila umbellata* (L.) W. P. C. Barton; *Chondrilla juncea* L.; *Clematis recta* L.; *C. vitalba* L.; *Consolida regalis* Gray; *C. orientalis* (J. Gay) Schrödinger; *Convallaria majalis* L.; *Crambe tataria* Sebeók; *Crataegus pentagyna* Wald et Kit.; *Cytisus albus* Hacq.; *C. austriacus* L.; *C. hirsutus* L.; *C. scoparius* (L.) Link.; *Daphne mezereum* L.; *Datura stramonium* L.; *Dictamnus albus* L.; *Digitalis grandiflora* Mill.; *D. lanata* Ehrh.; *Dioscorea communis* (L.) Caddick et Wikin; *Dryopteris filix-mas* (L.) Scott.; *Ecballium elaterium* (L.) A. Rich.; *Echium vulgare* L.; *Ephedra distachya* L.; *Epilobium collinum* Gmel.; *Equisetum telmateja* Ehrh.; *Eryngium maritimum* L.; *E. planum* L.; *Euonymus europaeus* L.; *Eupatorium cannabinum* L.; *Euphorbia palustris* L.; *E. peplis* L.; *Filipendula vulgaris* Moench.; *Frangula alnus* Mill.; *Fritillaria meleagris* L.; *Fumana procumbens* (Dunal) Gren. et Godr.; *Fumaria officinalis* L.; *Galanthus nivalis* L.; *Galega officinalis* L.; *Galium odoratum* (L.) Scop.; *Genistella sagittalis* (L.) Gams; *Genista tinctoria* L.; *Geranium palustre* Torner; *G. pusillum* Brum.; *G. robertianum* L.; *G. sanguineum* L.; *Glaucium corniculatum* (L.) Rudolph; *Glechoma hederacea* L.; *G. hirsuta* Waldst. et Kit.; *Glycyrrhiza glabra* L.; *Gratiola officinalis* L.; *Gypsophylla paniculata* L.; *Hedera helix* L.; *Helleborus odoratus* Waldst. et Kit.; *H. purpurascens* Waldst. et Kit.; *Herniaria hirsuta* L.; *Hieracium umbellatum* L.; *Ilex aquifolium* L.; *Iris pseudacorus* L.; *Isatis tinctoria* L.; *Juniperus sabina* Lodd.; *Lathyrus latifolius* L.; *L. sylvestris* L.; *L. tuberosus* L.; *Lepidium campestre* (L.) R. Br.; *L. densiflorum* Schrad.; *Leucojum aestivum* L.; *L. vernum* L.; *Ligustrum vulgare* L.; *Linaria vulgaris* L.; *Lotus corniculatus* L.; *Lycium halimifolium* Mill.; *Lycopodium alpinum* L.; *L. annotinum* L.; *L. clavatum* L.; *L. complanatum* L.; *Lythrum salicaria* L.; *Medicago falcata* L.; *M. lupulina* L.; *Melilotus officinalis* Lam.; *Menyanthes trifoliata* L.; *Mercurialis annua* L.; *M. perennis* L.; *Mollugo cerviana* (L.) Ser.; *Mycelis muralis* (L.) Dumort; *Nasturtium officinalis* (L.) R. Br.; *Nepeta cataria* L.; *Nigella arvensis* L.; *Oenanthe aquatica* (L.) Poir.; *Oxalis acetosella* L.; *P. rhoeas* L.; *Paris quadrifolia* L.; *Pastinaca sativa* L. ssp. *sylvestris* (Mill.) Rouy et F. G. Gams; *Pedicularis palustris* L.; *Periploca graeca* L.; *Physalis alkekengi* L.; *Polygonatum multiflorum* (L.) All.; *P. odoratum* (Mill.) Druce; *P. verticillatum* (L.) All.; *Polygonum hydropiper* L.; *Polypodium vulgare* L.; *Potentilla anserina* L.; *Pulsatilla montana* (Hoppe) Rchb.; *P. pratensis* (L.) Mill., ssp. *nigricans*, ssp. *flavescens* (Hazsl.) Holub; *Quercus petraea* (Mattuschaka) Liebl.; *Q. robur* L.; *Ranunculus acris* L.; *R. bulbosus* L.; *R. ficaria* L.; *R. iliricus* L.; *R. lingua* L.; *R. montanus* Willd.; *R. muricatus* L.; *R. polyanthemus* L.; *R. repens* L.; *R. sceleratus* L.; *Raphanus raphanistrum* L.; *Rapistrum perenne* (L.) All.; *Rhamnus cathartica* L.; *Sambucus ebulus* L.; *Saponaria officinalis* L.; *Scopolia carniolica* Jacq.; *Scrophularia nodosa* L.; *Sedum acre* L.; *Sempervivum tectorum* L.; *Senecio erucifolius* L.; *S. jacobaea* L.; *S. nemorensis* L.; *S. vulgaris* L.; *Solanum dulcamara* L.; *Tanacetum vulgare* L.; *Taxus baccata* L.; *Thalictrum aquilegifolium* L.; *Trolis europaeus* L.; *Valeriana officinalis* L.; *Veratrum album* L.; *Verbascum densiflorum* Bertol.; *V. nigrum* L.; *V. phlomoides* L.; *V. phoeniceum* L.; *V. thapsus* L.; *Viburnum opulus* L.; *Vincetoxicum hirsutinaria* Medik.; *Viscum album* L.

Toxic species, with no other economic uses for Romanians *Acer tataricum* L.; *Aconitum paniculatum*; *A. variegatum* L.; *Adonis vologensis* Steven ex DC.; *Alisma gramineum* Lej.; *A. lanceolatum* With.; *Alyssum saxatile* (L.) Desf.; *Anemone narcisifolia* L.; *A. sylvestris* L.; *Arenaria serpyllifolia* L.; *Armeria alpina* Willd.; *Avena sterilis* L.; *Bartsia alpina* L.; *Cicerbita alpina* (L.) Wallr.; *Convolvulus cantabrica* L.; *C. lineatus* L.; *C. persicus* L.; *Digitalis ferruginea* L.; *Doronicum austriacum* Jacq.; *D. columnae* Ten.; *Dorycnium pentaphyllum* Scop. ssp. *herbaceum* (Vill.) Rouy; *Euonymus latifolius* (L.) Mill.; *E. nanus* Bieb.; *E. verrucosus* Scop.; *Fritillaria montana* Hoppe ex W. D. J. Koch.; *Glyceria fluitans* (L.) R. Br.; *Iris sibirica* L.; *Isopyrum thalictroides* L.; *Lonicera xylosteum* L.; *Melilotus alba* Medik.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Oxalis corniculata* L.; *Polygonatum latifolium* (Jacq.) Desf.; *Pulsatilla grandis* Wender; *Scilla bifolia* L.; *Scolymus hispanicus* L.; *Solanum nigrum* L.

DISTRIBUTION

Rare, endemics and relicts plants

In the list of spontaneous plants that can be planted as decorative, 65 species were found also cited on the red lists, the majority rare, some glacial relicts or endemic.

These plants can only be harvested if they will be multiplied 'ex situ'.

Acanthus balcanicus Heywood et I. Richardson, Bear's breech it is rarely spread on dry places, thickets, forest edges, on stony substrate in Alba, Caraș Severin and Mehedinți counties;

Acer monspessulanum L., Common Maple of Banat, rarely spread on skeletal soils in thickets and sparse forests, from Caraș-Severin and Mehedinți counties;

Adonis vernalis L., Spring Adonis, it is common in steppe meadows, but harvesting is prohibited;

A. vologensis Steven ex DC., rarely spread in steppe meadows;

Aira caryophyllea L., rare, from arid places, meadows and thickets, from the area of oak forests;

Agrostis alpina L., Field's grass, rare, from skeletal soils in meadows, blocks and rocks from the alpine level;

Ajuga pyramidalis L., rare, from meadows and acid swamps from the durmast level to the Spruce level;

Angelica archangelica L., Angelica, sporadically scattered on the banks of mountain waters, in weeds on moist soil, in gorges, from the beech and spruce levels;

Aquilegia transsilvanica Baumg., Columbine, rare in the subalpine level;

Asphodeline lutea (L.) Rchb., rare, from the steppe and forest-steppe;

Bryonia dioica Jacq., White Bryony/ Wild Hop, rare, hanging, from thickets and fences, from the area of oak forests up to the beech level;

Bulbocodium versicolor (Ker Gawl.) Spreng., rare, from meadows and dry hills, from steppe and forest-steppe;

Caragana frutex (L.) C. Koch, rare, widespread in thickets of the steppe and forest steppe zone;

Chimaphila umbellata (L.) W. P. C. Barton, Winter-Green, grows on moderately acidic, sandy and sandy-loamy soils, from the Durmast level to the mountain level;

Convolvulus persicus L., Sand Bindweed, rare, grows only on sands of maritime origin from the Danube and seaside of the Black Sea;

Corylus colurna L., Turkish hazel, is rare widespread in sheltered resorts in S-W of Romania, from the durmast and beech level;

Cypripedium calceolus L., Lady's slipper, is protected as a monument of nature, grows sporadically on calcareous soils in forests and edges forest, from the hilly region to the spruce level;

Daphne blagayana Freyer, rare, protected as monument of nature, grows on rocks and calcareous boulders, from the beech and spruce level;

D. cneorum L., protected as monument of nature, on cliffs, stony slopes, in meadows, thickets and forests with few trees;

Delphinium simonkaianum Pawl, is rare, endemic and protected;

Dianthus callizonus Schott. et Ky., Piatra Craiului's Picotee, rare, from calcareous cliffs from the Piata Craiului mountains;

D. glacialis Haenke ssp. *gelidus* (Schott, Nyman et Kotsky) Tutin, sporadic in the alpin level, endemic in the Eastern and Southern Carpathians;

Drosera rotundifolia L., Dew of the sky, glacial relict in acid swamp, in the Flora of Romania;

Ecballium elaterium (L.) A. Rich., rare, grows only on sandy soils of the Romanian seaside;

Ephedra distachya L., rare, grows on maritime sands and on some hills with high insolation in the Buzău, Vaslui, Cluj counties;

Eryngium maritimum L., rare, grows only on seaside sands;

Galanthus plicatus M. Bieb. Snowdrops, rare, in oak forests from the hilly area;

Glaucium flavum Crantz, Yellow horned poppy, rare, on sandy places, from the steppe area to the level of durmast;

Glycyrrhiza glabra L., Licorice, rare, in meadows and thickets, from plains to hilly areas;

Hepatica transsilvanica Fuss., Hepatic Cross, endemic and tertiary relict in the Flora of Romania sporadically spread in forests, from the hilly area to the level of the spruce;

Hyacinthella leucophaea (K. Koch) Schur, rare from thickets and meadows from the dry slopes, from the steppe area to the durmast level;

Iberis saxatilis L., Candytuft, rare, from the calcareous rocks from Constanța and Tulcea counties;
Ilex aquifolium L., Holly, rare, protected as a monument of nature, spontaneous only in protected area of Dosul Laurului in Arad county;
Iris reichenbachii Heuff., rare, in meadows on cliffs, in the level of durmast and beech;
Larix decidua Mill. ssp. *carpatica* (Dom.) Simon, rare, monument of nature, from the level of the spruce, subalpine;
Lilium bulbiferum L., Lily, Emperor's crown, rare, from meadows, thickets and forest edges, from the durmast level to the spruce level;
L. carnolicum Bernh. ssp. *jankae* (A. Kern) A. et G., rare, from meadows, thickets and rockeries, from the beech level to the spruce level;
Limonium belidifolium (Gouan) Dumort ssp. *danubiale* (Klokov) Roman, rare, from salty sands and sandy soils;
Lonicera caerulea L., Honeysuckle, in Romania it is rare, in thickets, on cliffs, from the spruce level to the subalpine. Grows only in the Călimani, Bucegi, Făgăraș, Cindrel, Retezat, Țarcu-Peteanu, Godeanu Mountains;
Listera ovata (L.) R. Br., it is protected;
Lysimachia thysiflora L., glacial relict in the Flora of Romania, sporadically in swamps and acid swamps, the banks of stagnant or smooth flowing waters, from hilly to mountains area;
Paeonia mascula (L.) Mill., Peony, rare, in thickets and forests with few trees, in the durmast level;
P. peregrina Mill., Romanian peony, sporadically in steppe and silvo-steppe forests, from the south of the country, protected as a monument of nature;
Paliurus spina-christi Mill., Christ's thorn, carefully monitored species, with better distribution in Dobrogea;
Paeonia tenuifolia L., Romanian peony, protected, grows on dry meadows, stony and sunny slopes from forest-steppe;
Papaver alpinum L., ssp. *corona-sancti-stephani* (Zapal.) Borza, rare, on gravels in the alpine level;
Pedicularis sceptrum-carolinianum L., rare, in swamps, from the durmast level to the spruce level;
P. sylvatica L., rare, from marshy meadows, acid swamps, from beech level to the spruce level;
Phyteuma spicatum L., rare, from meadows, thickets and forest edges, from the level of the beech and spruce;
Pinus cembra L., is spontaneously spread from the spruce level to the subalpine, protected as a monument of nature;
Polemonium caeruleum L., Jacob's ladder, rare, glacial relict in the Flora of Romania, from eutrophic meadows, thickets, from the beech level to the spruce level;
Pulsatilla pratensis (L.) Mill., ssp. *nigricans* (Störch) Zämelis, very rare on some hills with high insolation in the Trotuș River and other places; ssp. *flavescens* (Hazsl.) Holub., on sandy soils of the NW of Romania;
Ruscus aculeatus L., Thorn, sporadic in thickets, forests with few trees, from the forest-steppe zone to the beech level. It is protected as a monument of nature;
Salvia sclarea L., St. John's grass, rare, from steppe meadows and arid forest-steppe;
Scutellaria alpina L., rare, on calcareous rocks, in beech and subalpine level;
Silene saxifraga L., rare, on calcareous rocks, in filly and mountainous areas;
Sisyrinchium montanum Greene, rare, from wet meadows in durmast and beech level;
Syringa josikaea Jacq. F. ex Rchb., Transylvania Lilac, rare, tertiary relict in the Flora of Romania;
Taxus baccata L., tertiary relict in the Flora of Romania, protected, sporadic in beech forest and mixtures of conifers with beech;
Tofieldia calyculata (L.) Wahlenb., rare, glacial relict in the Flora of Romania, in marshy meadows, from the beech level to the subalpine level;
Tragopogon porrifolius (L.), Goat's beard, rare, in meadows and steppe and forest-steppe area;
Tulipa hungarica Borbás ssp. *undulatifolia* Romar et Beldie, rare, on calcareous rocks in Mehedinți county;
T. sylvestris L., rare in Mureș, Sibiu, Hunedoara, Vaslui counties;
Veronica incana L., rare, from sunny and arid meadows, from the steppe to the durmast level.

Most authors consider that the following species have a sporadic distribution in the Flora of Romania (the others are frequent and easy to find): *Aconitum firmum* (Rchb.) Gayer; *A. lycoctonum* L. em. Koelle, ssp. *lasiosomum* (Rchb. Ex Besser) K. Warncke; *Actaea spicata* L.; *Adenophora liliifolia* (L.) A. DC.; *Aira elegans* Schur.; *Ajuga chamaeptytis* L.; *Allium rotundum* L.; *Anchusa barbelieri* (All.) Vitman; *Arum maculatum* L.; *Asplenium scolopendrium* L.; *Botrychium lunaria* (L.) Sv.; *Brachypodium pinnatum* (L.) P.B.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Calla palustris* L.; *Celtis australis* L.; *Centaurea atropurpurea* Waldst et Kit.; *Centaurea jacea* L.; *Ceterach officinarum* DC.; *Chenopodium botrys* L.; *Cicerbita alpina* (L.) Wallr.; *Clematis recta* L.; *Colutea arborescens* L.; *Cotinus coggygria* Scop.; *Cotoneaster integerrima* Medik.; *C. melanocarpa* Bunge; *Crambe tatarica* Sebeók; *Crataegus laevigata* (Poir) DC.; *C. pentagyna* Wald et Kit.; *Crocus reticulatus* Stev.; *Cypripedium calceolus* L.; *Dianthus armeria* L.; *D. henteri* Heuffel ex Griseb et Schenk; *D. superbus* L.; *Dictamnus albus* L.; *Digitalis lanata* Ehrh.; *Dioscorea communis* (L.) Caddick et Wikin; *Euonymus latifolius* (L.) Mill.; *E. nanus* Bieb.; *Galium purpureum* L.; *Gentiana lutea* L.; *G. punctata* L.; *Geranium macrorrhizum* L.; *G. sanguineum* L.; *Glaucium corniculatum* (L.) Rudolph; *Glycyrrhiza echinata* L.; *Gratiola officinalis* L.; *Helichrysum arenarium* (L.) Moench.; *Helleborus odorus* Waldst. et Kit., Spânz; *Hepatica nobilis* Schreb.; *Hesperis sylvestris* Crantz.; *H. tristis* L.; *Hieracium villosum* Jacq.; *Humulus lupulus* L.; *Hypericum tetrapterum* Fr.; *Inula conyzia* DC.; *Iris sibirica* L.; *Isatis tinctoria* L.; *Jasminum fruticans* L.; *Laser trilobum* (L.) Borkh; *Lathyrus latifolius* L.;

Leontopodium alpinum (L.) Cass.; *Lepidium latifolium* L.; *Leucojum aestivum* L.; *L. vernum* L.; *Ligularia sibirica* (L.) Cass.; *Linum flavum* L.; *L. hirsutum* L.; *L. nervosum* Waldst. et Kit.; *Lunaria rediviva* L.; *Lychnis coronaria* (L.) Desr.; *L. viscaria* L.; *Lycopodium annotinum* L.; *L. clavatum* L.; *Marsilea quadrifolia* L.; *Melilotus altissima* Thuill.; *Menyanthes trifoliata* L.; *Mercurialis annua* L.; *Muscari neglectum* Guss. ex Ten.; *Myricaria germanica* Desf.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Nasturtium officinale* (L.) R. Br.; *Nymphoides peltata* (Gmel.) O. Kuntze; *Ononis spinosa* L.; *Onosma arenaria* Waldst. et Kit.; *Ophioglossum vulgatum* L.; *Orchis purpurea* Huds.; *Oreochloa disticha* (Wulfen) Link.; *Oreopteris limbosperma* (Bellardi ex All.) Holub; *Ornithogalum pyramidale* L.; *O. umbellatum* L.; *Oxyria digyna* (L.) Hill.; *Paeonia peregrina* Mill.; *P. tenuifolia* L.; *Pedicularis exaltata* Bess; *P. palustris* L.; *Periploca graeca* L.; *Phlomis tuberosa* L.; *Phyteuma tetramerum* Schur; *Ph. wagneri* A. Kern.; *Pinus mugo* Turra; *P. sylvestris* L.; *Plantago arenaria* Willd.; *Plantago argentea* Chaix; *Plumbago europaea* L.; *Polygonum arenastrum* Boreau; *Prunus mahaleb* L.; *P. padus* L.; *Pulsatilla montana* (Hoppe) Rchb.; *Pyrola rotundifolia* L.; *Pyrus eleagrifolia* Pall.; *Quercus polycarpa* Schur; *Ranunculus iliricus* L.; *Rhamnus saxatilis* Jacq., ssp. *tinctorius* (Waldst. et Kit.) Nyman; *Ribes petraeum* Wulfen; *Ruscus aculeatus* L.; *R. hipoglossum* L.; *Salix daphnoides* Vill.; *S. elaeagnos* Scop.; *S. pentandra* L.; *S. rosmarinifolia* L.; *S. viminalis* L.; *Salvia aethiopsis* L.; *Scabiosa columbaria* L.; *Scopolia carniolica* Jacq.; *Scorzonera purpurea* L.; *Sedum album* L.; *S. telephium* L.; *Sempervivum globiferum* L.; *Silene viridiflora* L.; *Sorbus domestica* L.; *S. torminalis* (L.) Crantz; *Staphylea pinnata* L.; *Stipa pennata* L.; *Streptopus amplexifolius* (L.) DC.; *Syringa vulgaris* L.; *Teucrium scordium* L.; *Thalictrum flavum* L.; *Th. foetidum* L.; *Thelypteris palustris* Scott.; *Trifolium rubens* L.; *T. scabrum* L.; *Typha schuttelworthii* Koch et Sonder; *Ulmus laevis* Pall.; *U. procera* Salisb.; *Vaccinium oxycoccus* L.; *V. uliginosum* L.; *Valeriana montana* L.; *Vallisneria spiralis* L.; *Veratrum nigrum* L.; *V. densiflorum* Bertol.; *Vinca minor* L.; *Viscaria vulgaris* Bernh.; *Waldsteinia geoides* Willd.; *W. ternata* (Stephan) Fritsch.

The following species can be planted in steppe and forest- steppe areas: *Acer tataricum* L.; *Achillea pannonica* Scheele; *Acorus calamus* L.; *Adonis aestivalis* L.; *A. vernalis* L.; *A. volgensis* Steven ex DC.; *Aira caryophyllaea* L.; *Ajuga chamaeptytis* L.; *Allium rotundum* L.; *Althaea cannabina* L.; *Asparagus officinalis* L.; *A. tenuifolius* Lam.; *Bupleurum affine* Sadler; *Centaurea jacea* L. ssp. *banatica* Hayek; *Clematis recta* L.; *Cotinus coggygria* Scop.; *Cotoneaster integerrima* Medik.; *Crocus flavus* Weston; *C. reticulatus* Stev.; *Glacium corniculatum* (L.) Rudolph; *G. flavum* Crantz; *Gypsophylla muralis* L.; *Helichrysum arenarium* (L.) Moench; *Helleborus odorus* Waldst. et Kit.; *Laser trilobum* (L.) Borkh.; *Linum hirsutum* L.; *L. nervosum* Waldst. et Kit.; *L. perenne* L.; *L. tenuifolium* L.; *Lithospermum purpureo-caeruleum* L.; *Muscari neglectum* Guss. Ex Ten.; *Paeonia mascula* (L.) Mill.; *P. peregrina* Mill.; *P. tenuifolia* L.; *Paliurus spina-christi* Mill.; *Polygonum arenastrum* Boreau; *Portulaca oleracea* L.; *Potentilla alba* L.; *Prunus mahaleb* L.; *Quercus polycarpa* Schur.; *Q. pubescens* Willd.; *Q. robur* L.; *Ranunculus iliricus* L.; *Rhamnus cathartica* L.; *Salvia aethiopsis* L.; *S. sclarea* L.; *Senecio erucifolius* L.; *Sorbus domestica* L.; *Stipa capillata* L.; *S. pennata* L.; *Tamarix ramosissima* Ledeb.; *Teucrium polium* L. ssp. *capitatum* (L.) Arcang.; *Thalictrum flavum* L.; *Tilia platyphyllos* Scop.; *T. tomentosa* Moench; *Tragopogon porrifolius* (L.); *Ulmus minor* Mill.; *Verbascum phoeniceum* L.; *Veronica incana* L.; *V. orchidea* Cr.; *Xeranthemum annuum* L.

Plants that can be planted from the plain to the beech level

Most of the plant's seekers have frequently found in deciduous forests: *Acer campestre* L.; *A. platanoides* L.; *Allium ursinum* L.; *Anemone nemorosa* L.; *Arum maculatum* L.; *Asarum europaeum* L.; *Corydalis cava* L.; *C. solida* (L.) Clairv.; *Crataegus monogyna* Jacq., etc. The list below contains species that have been found on the lands of forest and meadow owners and have been protected as decorative, ornamental plants and in some cases even planted with a well- defined purpose.

Abies alba Mill.; *Acer platanoides* L.; *A. pseudoplatanus* L.; *Achillea collina* (Wirtg.) Heimerl; *Agrostema githago* L.; *Aira elegans* Schur; *Agrostis stolonifera* L.; *Ajuga genevensis* L.; *Allium ursinum* L.; *Alyssum montanum* L.; *Anemone ranunculoides* L.; *A. sylvestris* L.; *Anthemis cotula* L.; *Artemisia absinthium* L.; *Asarum europaeum* L.; *Asparagus tenuifolius* Lam.; *Aster tripolium* L.; *Barbarea vulgaris* R. Br.; *Bidens cernua* L.; *B. tripartita* L.; *Brachypodium pinnatum* (L.) P.B.; *B. sylvaticum* (Huds.) P.B.; *Bryonia dioica* Jacq.; *Calamagrostis epigeios* (L.) Roth.; *Campanula trachelium* L.; *Cardamine amara* L., ssp. *opizii* (J. et C. Presl) Čelak, ssp. *amara*; *C. hirsuta* L.; *C. impatiens* L.; *Centaurea atropurpurea* Waldst et Kit.; *C. cyanus* L.; *Centaureum erythraea* Rafin; *Cerinthe minor* L.; *Chelidonium majus* L.; *Chenopodium botrys* L.; *Circaea lutetiana* L.; *Cornus mas* L.; *C. sanguinea* L.; *Corydalis cava* (L.) Schweigg. et Körte; *C. solida* (L.) Clairv.; *Corylus avellana* L.; *Crataegus laevigata* (Poir) DC; *C. monogyna* Jacq.; *Cystopteris montana*, (Lam.) Desv.; *Cytisus hirsutus* L.; *C. nigricans* L.; *C. scoparius* (L.) Link.; *Dactylis glomerata* L.; *Dianthus armeria* L.; *D. superbus* L.; *Epilobium hirsutum* L.; *Eryngium planum*, L.; *Euonymus latifolius* (L.) Mill.; *E. verrucosus* Scop.; *Eupatorium cannabinum* L.; *Festuca arundinacea* Schreber; *Fragaria viridis* Duch.; *Frangula alnus* Mill.; *Fraxinus excelsior* L.; *F. ornus* L.; *Fritillaria montana* Hoppe ex W. D. J. Koch.; *Genistella sagitalis* (L.) Gams; *Genista tinctoria* L.; *Geranium phaeum* L.; *G. pratense* L.; *G. pusillum* Brum; *G. sanguineum* L.; *Gladiolus imbricatus* L.; *Glechoma hederacea* L.; *Inula conyzia* DC; *I. helenium* L.; *I. reichenbachii* Heuff.; *Isopyrum thalictroides* L.; *Kochia scoparia* (L.) Schrad; *Lamium purpureum*

L.; *Lathraea squamaria* L.; *Lathyrus sylvestris* L.; *Lavatera thuringiaca* L.; *Legousia speculum-veneris* (L.) Chaix; *Linaria vulgaris* Mill.; *L. vulgaris* L.; *Linum austriacum* L.; *L. flavum* L.; *Lolium perenne* L.; *Luzula luzuloides* (Lam.) Dandy et Wiilmott; *Lythrum salicaria* L.; *Malus sylvestris* (L.) Mill.; *Malva sylvestris* L.; *Matricaria recutita* L.; *Mentha aquatica* L.; *M. pulegium* L.; *Nepeta nuda* L.; *Oenothera biennis* L.; *Orchis militaris* L.; *Physalis alkekengi* L.; *Phyteuma wagneri* A. Kern; *Plantago argentea* Chaix; *Polygonatum latifolium* (Jacq.) Desf.; *P. multiflorum* (L.) All.; *Populus nigra* L.; *P. tremula* L.; *Potamogeton crispus* L.; *Potentilla argentea* L.; *Primula veris* L.; *Prunella grandiflora* (L.) Scholler; *Prunus avium* L.; *P. cerasifera* Ehrh.; *Pulmonaria mollis* Wulfen; *Pulsatilla montana* (Hoppe) Rchb.; *Pyrus pyrauster* (L.) Burgsd.; *Ranunculus polyanthemus* L.; *Rhamnus saxatilis* Jacq., ssp. *tinctorius* (Waldst. et Kit.) Nyman; *Rosa arvensis* Huds.; *R. canina* L.; *R. gallica* L.; *Rubus caesius* L.; *R. fruticosus* L.; *Ruscus aculeatus* L.; *R. hipoglossum* L.; *Salix alba* L.; *S. cinerea* L.; *S. daphnoides* Vill.; *S. triandra* L.; *S. viminalis* L.; *Salvia nemorosa* L.; *S. pratensis* L.; *Sambucus nigra* L.; *Scutellaria altissima* L.; *Sedum acre* L.; *Silene alba* (Mill.) E. H. L. Krause; *Sisyrinchium montanum* Greene; *Sorbus torminalis* (L.) Crantz; *Stachys germanica* L.; *Staphylea pinnata* L.; *Taxus baccata* L.; *Tilia cordata* Mill.; *Typha angustifolia* L.; *T. minima* Hoppe; *T. schuttelworthii* Koch et Sonder; *Valeriana officinalis* L.; *Verbascum densiflorum* Bertol; *V. phlomoides* L.; *Veronica longifolia* L.; *V. spicata* L.; *Viburnum lantana* L.; *V. opulus* L.; *Vinca minor* L.; *Vincetoxicum hirsutaria* Medik.; *Viola alba* Bess.; *V. odorata* L.; *Waldsteinia geoides* Willd.

Plants that can be planted from the plain to the spruce level: *Abies alba* Mill.; *Acer pseudoplatanus* L.; *Achillea ptarmica* L.; *Actaea spicata* L.; *Adoxa moschatelina* L.; *Ajuga pyramidalis* L.; *A. reptans* L.; *Alchemilla xanthochlora* Rothm.; *Alnus incana* (L.) Moench; *A. viridis* (Chaix) DC.; *Alopecurus pratensis* L.; *Alyssum saxatile* (L.) Desf.; *Anemone nemorosa* L.; *Angelica archangelica* L.; *A. sylvestris* L.; *Arctostaphylos uva-ursi* (L.) Spreng; *Arnica montana* L.; *Asplenium trichomanes* (L.) Hoffm.; *A. viride* Huds.; *Aster amellus* L.; *Bellis perennis* L.; *Betula pubescens* Ehrh.; *Calla palustris* L.; *Cicerbita alpina* (L.) Wallr.; *Colchicum autumnale* L.; *Cotoneaster melanocarpa* Bunge; *Cymbalaria muralis* P. Gärtn.; *Cypripedium calceolus* L.; *Dactylorhiza maculata* (L.) Soó; *Daphne blagayana* Freyer; *Dianthus henteri* Heuffel ex Griseb et Schenk; *Dryopteris filix-mas* (L.) Scott.; *Epilobium collinum* Gmel.; *E. dodonaei* Vill.; *Equisetum telmateja* Ehrh.; *Euonymus nanus* Bieb.; *Fragaria vesca* L.; *Galium verum* L.; *Gentiana kochiana* Perr. et Song.; *G. lutea* L.; *Geranium palustre* Torner; *Gymnocarpium dryopteris* (L.) Newman; *Helianthemum nummularium* (L.) Mill.; *Helleborus purpurascens* Waldst. et Kit.; *Hepatica nobilis* Schreb.; *H. transsilvanica* Fuss.; *Hieracium umbellatum* L.; *H. villosum* Jacq.; *Hypericum perforatum* L.; *H. tetrapterum* Fr.; *Impatiens noli-tangere* L.; *Iris pseudacorus* L.; *I. sibirica* L.; *Isatis tinctoria* L.; *Juniperus sabina* Lodd.; *Knautia arvensis* (L.) Coult.; *Lamium maculatum* L.; *Lapsana communis* L.; *Larix decidua* Mill. ssp. *carpatica* (Dom.) Simon; *Lathyrus vernus* (L.) Bernh.; *Leucanthemum vulgare* (Vall.) Lam.; *Leucojum vernum* L.; *Lilium carnolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *L. martagon* L.; *Lonicera caerulea* L.; *L. nigra* L.; *Luzula campestris* (L.) DC.; *Lycopodium annotinum* L.; *L. clavatum* L.; *Melampyrum bihariense* Kern.; *Melilotus alba* Medik.; *Mentha arvensis* L.; *M. longifolia* (L.) Natta.; *M. piperita* (L.) Huds.; *Myosotis sylvatica* (Ehrh.) Hoffm.; *Myricaria germanica* Desf.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Ophioglossum vulgatum* L.; *Oreopteris limbosperma* (Bellardi ex All.) Holub; *Oxalis acetosella* L.; *Paris quadrifolia* L.; *Pedicularis exaltata* Bess.; *P. palustris* L.; *P. sceptrum-carolinianum* L.; *P. sylvatica* L.; *Petasites albus* (L.) Gaertn.; *P. hybridus* L. (P. Gaertn.); *Phyteuma spicatum* L.; *Ph. tetramerum* Schur; *Picea abies* (L.) H. Karst.; *Pinus cembra* L.; *P. mugo* Turra; *Platanthera bifolia* (L.) L. C. Rich.; *Poa trivialis* L.; *Polemonium caeruleum* L.; *Polygonatum odoratum* (Mill.) Druce; *Prunus padus* L.; *Pulmonaria rubra* Schott.; *Ranunculus ficaria* L.; *Ribes nigrum* L.; *Salix pentandra* L.; *S. purpurea* L.; *S. rosmarinifolia* L.; *Salvia glutinosa* L.; *Sambucus racemosa* L.; *Sanguisorba officinalis* L.; *Scabiosa columbaria* L.; *S. ochroleuca*; *Scilla bifolia* L.; *Scopolia carniolica* Jacq.; *Sedum maximum* (L.) Hoffm.; *Serratula tinctoria* L.; *Stachys officinalis* (L.) Trev.; *Symphytum cordatum* W. et K.; *Telekia speciosa* Baumg.; *Thalictrum aquilegifolium* L.; *Th. foetidum* L.; *Vaccinium oxycoccus* L.; *V. uliginosum* L.; *V. vitis-idaea* L.; *Valeriana montana* L.; *V. sambucifolia* J. C. Mikan; *Verbascum nigrum* L.; *V. thapsus* L.; *Viola canina* L.; *V. reichenbachiana* Jord. ex Boreau; *Waldsteinia ternata* (Stephan) Fritsch.

Plants that grow from low altitudes to the subalpine level: *Achillea millefolium* L.; *Aconitum anthora* L.; *Adenostyles alliariae* (Gouan) Kern.; *Agrostis alpina* L.; *A. rupestris* All.; *A. capillaris* L.; *Alchemilla xanthochlora* Rothm.; *Alnus viridis* (Chaix) DC.; *Anemone narcisifolia* L.; *Antennaria dioica* (L.) Gaertn.; *Anthyllis vulneraria* L. ssp. *alpestris* (Hegetschw.) Asch. et Graebn.; *Aquilegia transsilvanica* Baumg.; *Aq. vulgaris* L.; *Arabis alpina* L.; *Aster alpinus* L.; *Astrantia major* L.; *Biscutella laevigata* L.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Caltha palustris* L.; *Campanula carpatica* Jacq.; *Cardamine pratensis* L.; *Carlina acaulis* L.; *Centaurea triumfetti* All.; *Cystopteris fragilis* (L.) Bernh.; *Chamaenerion angustifolium* (L.) Holub; *Chimaphila umbellata* (L.) W.P.C.Barton; *Cicerbita alpina* (L.) Wallr.; *Cynosurus cristatus* L.; *Daphne mezereum* L.; *Dianthus barbatus* L.; *D. carthusianorum* L.; *D. glacialis* Haenke ssp. *gelidus* (Schott, Nyman et Kotsky) Tutin; *D. tenuifolius* Schur; *Dryas octopetala* L.; *Epilobium montanum* L.; *Eriophorum latifolium* Hoope; *Festuca rubra* L.; *Galanthus nivalis* L.; *Gentiana asclepiadea* L.; *G. kochiana* Perr. et Song.; *G. lutea* L.; *G. punctata* L.; *G. verna* L.; *Geranium macrorrhizum* L.; *Geum montanum* L.; *G. rivale* L.; *Gymnadenia conopsea* (L.) R. C. Br.;

Helianthemum alpestre (Jacq.) D.C.; *Hieracium villosum* Jacq.; *Iris ruthenica* Gawl.; *Larix decidua* Mill.; *Leontodon autumnalis* L.; *Leontopodium alpinum* (L.) Cass.; *Lepidium latifolium* L.; *Ligularia sibirica* (L.) Cass.; *Lonicera caerulea* L.; *Luzula sylvatica* (Huds.) Gaud.; *Lychnis viscaria* L.; *Myosotis palustris* (L.) Natah; *Nardus stricta* L.; *Oreochloa disticha* (Wulfen) Link.; *Oxyria digyna* (L.) Hill.; *Papaver alpinum* L. ssp. *corona-sancti-stephani* (Zapal.) Borza; *Parnasia palustris* L.; *Phyteuma orbiculare* L.; *Ph. wagneri* A. Kern.; *Pinus mugo* Turra; *Poa pratensis* L.; *Polygonum bistorta* L.; *Prunella vulgaris* L.; *Pyrola rotundifolia* L.; *Ranunculus acris* L.; *R. repens* L.; *Rhododendron myrtifolium* Schott et Kotsky; *Ribes alpinum* L.; *R. petraeum* Wulfen; *Rosa pendulina* L.; *Rubus idaeus*; *Rumex acetosa* L.; *R. acetosella* L.; *R. alpinus* L.; *Saxifraga aizoides* L.; *S. corymbosa* Boiss; *S. oppositifolia* L.; *Scutellaria alpina* L.; *Sedum alpestre* Vill.; *Sedum telephium* L.; *Selaginella helvetica* (L.) Spreng.; *Sempervivum globiferum* L.; *Silene vulgaris* (Moench.) Garcke; *Solidago virgaurea* L.; *Sorbus aucuparia* L.; *Streptopus amplexifolius* (L.) DC.; *Taraxacum officinale* (L.) Webb.; *Thalictrum minus* L.; *Tofieldia calyculata*, (L.) Wahlenb.; *Trolius europaeus* L.; *Tussilago farfara* L.; *Vaccinium myrtillus* L.; *V. oxycoccus* L.; *V. uliginosum* L.; *V. vitis-idaea* L.; *Valeriana montana* L.; *V. sambucifolia* J. C. Mikan; *Veratrum album* L.; *Veronica officinalis* L.; *V. teucrium* L.; *Viola biflora* L.; *V. tricolor* L.; *Viscaria vulgaris* Bernh.

The following plants are found in the thickets: *Acanthus balcanicus* Heywood et I. Richardson; *Acer monspessulanum* L.; *A. tataricum* L.; *Achillea collina* (Wirtg.) Heimerl; *A. millefolium* L.; *A. pannonica* Scheele; *A. ptarmica* L.; *Aconitum anthora* L.; *A. firmum* (Rchb.) Gayer; *A. lycoctonum* L. em. Koelle; *Actaea spicata* L.; *Adenophora liliifolia* (L.) A. DC.; *Adoxa moschatelina* L.; *Aira caryophylla* L.; *Agrostis rupestris* All.; *A. capillaris* L.; *Ajuga genevensis* L.; *Althaea cannabina* L.; *Anchusa barrelieri* (All.) Vitman; *A. officinalis* L.; *Anemone sylvestris* L.; *Angelica sylvestris* L.; *Asparagus officinalis* L.; *A. tenuifolius* Lam.; *Aster amellus* L.; *A. linosyris* (L.) Bernh.; *Astragalus dasyanthus* Pall.; *A. glycyphyllos* L.; *Astrantia major* L.; *Berberis vulgaris* L.; *Bryonia alba* L.; *B. dioica* Jacq.; *Bupleurum affine* Sadler; *Calamagrostis epigeios* (L.) Roth.; *Calluna vulgaris* (L.) Hull; *Caragana frutex* (L.) C. Koch; *Centaurea jacea* L.; *Centaureum erythraea* Rafin; *Cerinthe minor* L.; *Chelidonium majus* L.; *Cicerbita alpina* (L.) Wallr.; *Clematis recta* L.; *C. vitalba* L.; *Cornus mas* L.; *C. sanguinea* L.; *Corydalis cava* (L.) Schweigg. et Körte; *C. solida* (L.) Clairv.; *Corylus avellana* L.; *Cotinus coggygria* Scop.; *Cotoneaster integerrima* Medik.; *C. melanocarpa* Bunge; *Crataegus laevigata* (Poir) DC; *C. monogyna* Jacq.; *Crocus flavus* Weston; *C. reticulatus* Stev.; *Cytisus albus* Hacq; *C. hirsutus* L.; *C. nigricans* L.; *Daphne cneorum* L.; *Dianthus armeria* L.; *Dictamnus albus* L.; *Digitalis lanata* Ehrh.; *Dryopteris filix-mas* (L.) Scott.; *Echium maculatum* Jacq.; *E. vulgare* L.; *Euonymus latifolius* (L.) Mill.; *E. verrucosus* Scop.; *Festuca rubra* L.; *Filipendula vulgaris* Moench; *Fraxinus ornus* L.; *Fritillaria meleagris* L.; *Galanthus nivalis* L.; *Galium verum* L.; *Gentiana asclepiadea* L.; *G. punctata* L.; *Geranium palustre* Torner; *G. sanguineum* L.; *Geum urbanum* L.; *Glycyrrhiza glabra* L.; *Gymnadenia conopsea* (L.) R. C. Br.; *Helianthemum nummularium* (L.) Mill.; *Helleborus purpurascens* Waldst. et Kit.; *Humulus lupulus* L.; *Hyacinthella leucophaea* (K. Koch) Schur; *Hypericum perforatum* L.; *H. tetrapterum* Fr.; *Hypochoeris maculata* L.; *Inula conyza* DC; *Iris pseudacorus* L.; *I. ruthenica* Gawl.; *Isatis tinctoria* L.; *Jasminum fruticans* L.; *Knautia arvensis* (L.) Coult; *Lamium galeobdolon* (L.) Crantz; *L. purpureum* L.; *Lapsana communis* L.; *Lappula squarrosa* (Retz.) Dumort.; *Laser trilobum* (L.) Borkh; *Lathyrus latifolius* L.; *L. pratensis* L.; *L. sylvestris* L.; *Lavatera thuringiaca* L.; *Legousia speculum-veneris* (L.) Chaix; *Leontodon autumnalis* L.; *Leucojum aestivum* L.; *L. vernum* L.; *Ligustrum vulgare* L.; *Lilium bulbiferum* L.; *L. carniolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *L. martagon* L.; *Linum tenuifolium* L.; *Listera ovata* (L.) R. Br.; *Lithospermum officinale* L.; *L. purpureo-caeruleum* L.; *Lonicera caerulea* L.; *L. nigra* L.; *Lunaria annua* L. ssp. *annua*, ssp. *pachyrhiza*; *Lycopodium clavatum* L.; *Melampyrum bihariense* Kern.; *Muscari neglectum* Guss. ex Ten.; *Myosotis sylvatica* (Ehrh.) Hoffm.; *Nardus stricta* L.; *Ononis spinosa* L.; *Orchis purpurea* Huds.; *Paeonia mascula* (L.) Mill.; *Paris quadrifolia* L.; *Pedicularis exaltata* Bess; *Phlomis tuberosa* L.; *Phragmites australis* (Cav.) Trin.; *Physalis alkekengi* L.; *Phyteuma spicatum* L.; *Ph. wagneri* A. Kern; *Platanthera bifolia* (L.) L. C. Rich.; *Polygonatum latifolium* (Jacq.) Desf.; *P. multiflorum* (L.) All.; *P. odoratum* (Mill.) Druce; *Polystichum lonchitis* (L.) Roth.; *Potentilla alba* L.; *P. argentea* L.; *Prunella grandiflora* (L.) Scholler; *Pulmonaria mollis* Wulfen; *P. officinalis* L.; *Pyrola rotundifolia* L.; *Ranunculus ficaria* L.; *R. polyanthemus* L.; *Rhamnus cathartica* L.; *Rhamnus saxatilis* Jacq., ssp. *tinctorius* (Waldst. et Kit.) Nyman; *Rhododendron myrtifolium* Schott et Kotsky; *Ribes alpinum* L.; *R. nigrum* L.; *R. petraeum* Wulfen; *Rosa arvensis* Huds.; *R. canina* L.; *R. gallica* L.; *R. pendulina* L.; *Rubus caesius* L.; *R. fruticosus* L.; *Ruscus aculeatus* L.; *R. hipoglossum* L.; *Salvia aethiopsis* L.; *S. nemorosa* L.; *S. pratensis* L.; *S. verticillata* L.; *Scabiosa columbaria* L.; *Scilla bifolia* L.; *Scopolia carniolica* Jacq.; *Sedum maximum* (L.) Hoffm.; *S. telephium* L.; *Senecio erucifolius* L.; *Silene alba* (Mill.) E. H. L. Krause; *S. noctiflora* L.; *S. viridiflora* L.; *S. vulgaris* (Moench.) Garcke; *Solanum dulcamara* L.; *Sorbus torminalis* (L.) Crantz; *Stachys germanica* L.; *S. recta* L.; *Staphylea pinnata* L.; *Streptopus amplexifolius* (L.) DC.; *Syringa vulgaris* L.; *Thalictrum aquilegifolium* L.; *Th. flavum* L.; *Th. minus* L.; *Trifolium rubens* L.; *V. orchidea* Cr.; *V. spicata* L.; *Viburnum lantana* L.; *V. opulus* L.; *Vinca minor* L.; *Viola alba* Bess.; *V. odorata* L.

The woody plants from our Flora that have a special decorative appearance: *Abies alba* Mill.; *Acer campestre* L.; *A. monspessulanum* L.; *A. platanoides* L.; *A. pseudoplatanus* L.; *A. tataricum* L.; *Alnus glutinosa* L. (Gaertn);

A. incana (L.) Moench; *A. viridis* (Chaix) DC.; *Berberis vulgaris* L.; *Betula nana* L.; *B. pendula* Roth.; *B. pubescens* Ehrh. ssp. *carpatica* (Willd) Asch. et Graebn.; *Carpinus betulus* L.; *Castanea sativa* Mill.; *Celtis australis* L.; *Colutea arborescens* L.; *Cornus mas* L.; *C. sanguinea* L.; *Corylus avellana* L.; *C. colurna* L.; *Cotinus coggygia* Scop.; *Cotoneaster integerrima* Medik.; *C. melanocarpa* Bunge; *Crataegus laevigata* (Poir) DC.; *C. monogyna* Jacq.; *C. pentagyna* Wald et Kit.; *Cytisus albus* Hacq.; *C. hirsutus* L.; *C. nigricans* L.; *C. scoparius* (L.) Link.; *Euonymus europaeus* L.; *E. latifolius* (L.) Mill.; *E. nanus* Bieb.; *E. verrucosus* Scop.; *Fagus sylvatica* L.; *Fraxinus excelsior* L.; *F. ornus* L.; *F. pallisae* Willmott; *Hedera helix* L.; *Hippophaë rhamnoides* L.; *Juniperus communis* L.; *J. sabina* Lodd.; *Larix decidua* Mill. ssp. *carpatica* (Dom.) Simon; *Lonicera nigra* L.; *Malus sylvestris* (L.) Mill.; *Myricaria germanica* Desf.; *Paliurus spina-christi* Mill.; *Periploca graeca* L.; *Picea abies* (L.) H. Karst.; *Pinus cembra* L.; *P. mugo* Turra; *P. nigra* J. F. Arnold ssp. *banatica* (Borbás) Novák; *P. sylvestris* L.; *Prunus avium* L.; *P. cerasifera* Ehrh.; *P. fruticosa* Pall.; *P. mahaleb* L.; *P. padus* L.; *Pyrus eleagrifolia* Pall.; *P. pyrastrer* (L.) Burgsd.; *Quercus cerris* L.; *Q. frainetto* Ten.; *Q. pedunculiflora* K. Koch; *Q. petraea* (Mattuschaka) Leibl.; *Q. polycarpa* Schur; *Q. pubescens* Willd.; *Q. robur* L.; *Rhamnus cathartica* L.; *Rh. saxatilis* Jacq. ssp. *tinctorius* (Waldst. et Kit.) Nyman; *Rhododendron myrtifolium* Schott et Kotsky; *Ribes alpinum* L.; *R. nigrum* L.; *R. petraeum* Wulfen; *Rosa arvensis* Huds.; *R. canina* L.; *R. pendulina* L.; *Rubus caesius* L.; *R. fruticosus* L.; *R. idaeus*; *Salix alba* L.; *S. cinerea* L.; *S. daphnoides* Vill.; *S. elaeagnos* Scop.; *S. fragilis* L.; *S. pentandra* L.; *S. purpurea* L.; *S. rosmarinifolia* L.; *S. triandra* L.; *S. viminalis* L.; *Sambucus nigra* L.; *S. racemosa* L.; *Sanguisorba minor* L.; *Sorbus aucuparia* L.; *S. domestica* L.; *S. torminalis* (L.) Crantz; *Staphylea pinnata* L.; *Syringa josikaea* Jacq. F. ex Rchb.; *S. vulgaris* L.; *Taxus baccata* L.; *Tilia cordata* Mill.; *T. platyphyllos* Scop.; *T. tomentosa* Moench; *Ulmus minor* Mill.; *U. laevis* Pall.; *U. procera* Salisb.; *Vaccinium myrtillus* L.; *V. oxycoccus* L.; *V. uliginosum* L.; *V. vitis-idaea* L.; *Viburnum lantana* L.; *V. opulus* L.

In the **forests with few trees** can be developed the following species: *Acer monspessulanum* L.; *A. tataricum* L.; *Achillea pannonica* Scheele; *A. ptarmica* L.; *Adenophora liliifolia* (L.) A. DC.; *Aira elegans* Schur; *Agrostis capillaris* L.; *Althaea cannabina* L.; *Anchusa officinalis* L.; *Antenaria dioica* (L.) Gaertn.; *Arctostaphylos uva-ursi* (L.) Spreng.; *Aster amellus* L.; *A. linosyris* (L.) Bernh.; *Astrantia major* L.; *Bupleurum affine* Sadler; *Calluna vulgaris* (L.) Hull; *Campanula trachelium* L.; *Cerinth minor* L.; *Chamaenerion angustifolium* (L.) Holub; *Cicerbita alpina* (L.) Wallr.; *Clematis recta* L.; *Colutea arborescens* L.; *Cotinus coggygia* Scop.; *Cotoneaster integerrima* Medik.; *Crataegus laevigata* (Poir) DC.; *C. monogyna* Jacq.; *C. pentagyna* Wald. et Kit.; *Crocus heuffelianus* Herb.; *C. flavus* Weston; *C. reticulatus* Stev.; *Dactylorhiza maculata* (L.) Soó; *Daphne cneorum* L.; *Erythronium dens-canis* L.; *Eupatorium cannabinum* L.; *Festuca rubra* L.; *Filipendula vulgaris* Moench; *Fraxinus ornus* L.; *Fritillaria meleagris* L.; *F. montana* Hoppe ex W. D. J. Koch.; *Gentiana asclepiadea* L.; *Geranium sanguineum* L.; *Geum urbanum* L.; *Gladiolus imbricatus* L.; *Gypsophylla muralis* L.; *Helichrysum arenarium* (L.) Moench.; *Hypochoeris maculata* L.; *H. radicata* L.; *Iris ruthenica* Gawl.; *Laser trilobum* (L.) Borkh.; *Leontodon autumnalis* L.; *Lithospermum officinale* L.; *Muscari neglectum* Guss. Ex Ten.; *Myosotis arvensis* (L.) Hill.; *Nepeta nuda* L.; *Paeonia mascula* (L.) Mill.; *Parnasia palustris* L.; *Pedicularis exaltata* Bess; *Phyalis alkekengi* L.; *Phyteuma orbiculare* L.; *Plantago arenaria* Willd.; *Prunella grandiflora* (L.) Scholler; *Rosa arvensis* Huds.; *Rubus idaeus*; *Rumex acetosella* L.; *Ruscus aculeatus* L.; *Scorzonera purpurea* L.; *Senecio erucifolius* L.; *Serratula tinctoria* L.; *Solanum dulcamara* L.; *Solidago virgaurea* L.; *Stachys officinalis* (L.) Trev.; *S. recta* L.; *Thalictrum aquilegifolium* L.; *Th. minus* L.

In **meadows** are found 1/3 of spontaneous plants with decorative value: *Achillea collina* (Wirtg.) Heimerl; *A. millefolium* L.; *A. pannonica* Scheele; *A. ptarmica* L.; *Aconitum anthora* L.; *A. firmum* (Rchb.) Gáyer; *Acorus calamus* L.; *Adenophora liliifolia* (L.) A. DC.; *Adonis vernalis* L.; *A. volgensis* Steven ex DC.; *Aira caryophyllea* L.; *Agrostis alpina* L.; *A. rupestris* All.; *A. stolonifera* L.; *A. capillaris* L.; *Ajuga genevensis* L.; *A. pyramidalis* L.; *Allium rotundum* L.; *Alopecurus pratensis* L.; *Althaea cannabina* L.; *Anchusa azurea* Mill.; *A. officinalis* L.; *Anemone narcisifolia* L.; *A. sylvestris* L.; *Angelica sylvestris* L.; *Antenaria dioica* (L.) Gaertn.; *Arnica montana* L.; *Asparagus officinalis* L.; *A. tenuifolius* Lam.; *Aster amellus* L.; *A. linosyris* (L.) Bernh.; *A. novi-belgii*; *A. tripolium* L.; *Astragalus dasyanthus* Pall.; *Astrantia major* L.; *Bellis perennis* L.; *Berberis vulgaris* L.; *Biscutella laevigata* L.; *Botrychium lunaria* (L.) Sv.; *Brachypodium pinnatum* (L.) P.B.; *Briza media* L.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Bulbocodium versicolor* (Ker Gawl.) Spreng.; *Bupleurum affine* Sadler; *Calamagrostis epigeios* (L.) Roth.; *Cardamine amara* L.; *Carlina acaulis* L.; *Centaurea atropurpurea* Waldst et Kit.; *C. jacea* L.; *Centaureum erythraea* Rafin.; *Cichorium inthybus* L.; *Colchicum autumnale* L.; *Crocus heuffelianus* Herb.; *C. flavus* Weston; *C. reticulatus* Stev.; *Cytisus albus* Hacq.; *C. hirsutus* L.; *Dactylis glomerata* L.; *Dactylorhiza maculata* (L.) Soó; *Daphne cneorum* L.; *Dianthus armeria* L.; *D. barbatus* L.; *D. superbus* L.; *D. tenuifolius* Schur; *Digitalis lanata* Ehrh.; *Echium maculatum* Jacq.; *E. vulgare* L.; *Epilobium parviflorum* Schur.; *Eriophorum latifolium* Hoope; *Eryngium planum*, L.; *Erythronium dens-canis* L.; *Festuca arundinacea* Schreber; *Festuca rubra* L.; *Filipendula vulgaris* Moench.; *Fragaria viridis* Duch.; *Fritillaria meleagris* L.; *F. montana* Hoppe ex W. D. J. Koch.; *Galanthus nivalis* L.; *Galega officinalis* L.; *Galium purpureum* L.; *G. verum* L.; *Genistella sagitalis* (L.) Gams; *Genista tinctoria* L.; *Gentiana kochiana* Perr. et Song.; *G. lutea* L.; *G. verna*

L.; *Geranium palustre* Torner; *G. phaeum* L.; *G. pratense* L.; *G. pusillum* Brum; *G. sanguineum* L.; *Geum montanum* L.; *G. rivale* L.; *Gladiolus imbricatus* L.; *Glycyrrhiza glabra* L.; *Gymnadenia conopsea* (L.) R. C. Br.; *Helianthemum alpestre* (Jacq.) D.C.; *H. nummularium* (L.) Mill.; *Helichrysum arenarium* (L.) Moench.; *Hesperis tristis* L.; *Hieracium aurantiacum* L.; *H. umbellatum* L.; *H. villosum* Jacq.; *Hyacinthella leucophaea* (K. Koch) Schur; *Hypericum perforatum* L.; *Hypochoeris maculata* L.; *H. radicata* L.; *Inula helenium* L.; *Iris reichenbachii* Heuff.; *I. ruthenica* Gawl.; *I. sibirica* L.; *I. tinctoria* L.; *Knautia arvensis* (L.) Coult.; *Lamium album* L.; *Lappula squarrosa* (Retz.) Dumort.; *Lathyrus latifolius* L.; *L. pratensis* L.; *L. sylvestris* L.; *Lavatera thuringiaca* L.; *Leontodon autumnalis* L.; *Leucojum aestivum* L.; *L. vernum* L.; *Ligularia sibirica* (L.) Cass.; *Lilium bulbiferum* L.; *L. carniolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *L. martagon* L.; *Linum austriacum* L.; *L. extraaxillare* Kit.; *L. flavum* L.; *L. hirsutum* L.; *L. nervosum* Waldst. et Kit.; *L. perenne* L.; *L. tenuifolium* L.; *Lolium perenne* L.; *Luzula campestris* (L.) DC.; *Lychnis viscaria* L.; *Lycopodium clavatum* L.; *Melampyrum bishariense* Kern.; *Melilotus alba* Medik; *M. altissima* Thuill.; *Myosotis arvensis* (L.) Hill.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Nardus stricta* L.; *Nepeta nuda* L.; *Ononis spinosa* L.; *Onosma arenaria* Waldst. et Kit.; *Ophioglossum vulgatum* L.; *Orchis coriophora* L.; *O. militaris* L.; *Oreochloa disticha* (Wulfen) Link.; *Paeonia tenuifolia* L.; *Parnasia palustris* L.; *Pedicularis exaltata* Bess.; *P. palustris* L.; *P. sylvatica* L.; *Petasites hybridus* L. (P. Gaertn); *Phlomis tuberosa* L.; *Phyteuma orbiculare* L.; *Ph. spicatum* L.; *Ph. tetramerum* Schur; *Ph. wagneri* A. Kern; *Plantago arenaria* Willd.; *P. argentea* Chaix; *Poa trivialis* L.; *Polemonium caeruleum* L.; *Polygonum bistorta* L.; *Potentilla alba* L.; *P. arenaria* Borkn.; *P. argentea* L.; *Primula veris* L.; *Prunella grandiflora* (L.) Scholler; *P. vulgaris* L.; *Pulicaria dysenterica* (L.) Gaertn.; *Pulsatilla montana* (Hoppe) Rchb.; *P. pratensis* (L.) Mill.; *Pyrola rotundifolia* L.; *Ranunculus acris* L.; *R. bulbosus* L.; *R. iliricus* L.; *R. polyanthemus* L.; *Rosa canina* L.; *R. gallica* L.; *Rumex acetosa* L.; *R. acetosella* L.; *Salvia aethiopsis* L.; *S. nemorosa* L.; *S. pratensis* L.; *S. sclarea* L.; *S. verticillata* L.; *Sanguisorba minor* L.; *S. officinalis* L.; *Scabiosa columbaria* L.; *S. ochroleuca*; *Scilla bifolia* L.; *Scorzonera purpurea* L.; *Sedum acre* L.; *S. alpestre* Vill.; *Sempervivum globiferum* L.; *Serratula tinctoria* L.; *Silene alba* (Mill.) E. H. L. Krause; *S. viridiflora* L.; *S. vulgaris* (Moench.) Garcke; *Sisyrinchium montanum* Greene; *Stachys germanica* L.; *S. officinalis* (L.) Trev.; *S. recta* L.; *Stipa capillata* L.; *S. pennata* L.; *Symphytum officinale* L.; *Teucrium polium* L.; *T. scordium* L.; *Thalictrum aquilegifolium* L.; *Th. flavum* L.; *Th. lucidum* L.; *Th. minus* L.; *Tofieldia calyculata* (L.) Wahlenb.; *Tragopogon porrifolius* L.; *Trifolium rubens* L.; *Valeriana officinalis* L.; *Veronica incana* L.; *V. longifolia* L.; *V. orchidea* Cr.; *V. spicata* L.; *Viola biflora* L.; *V. canina* L.; *V. tricolor* L.; *Viscaria vulgaris* Bernh.; etc.

Ruderal places sometimes have attractive plants that have not been consumed by animal or destroyed by human activities. We mention the following: *Ajuga chamaeptytis* L.; *A. genevensis* L.; *Althaea cannabina* L.; *Anchusa azurea* Mill.; *A. barbelieri* (All.) Vitman; *Anthemis cotula* L.; *Arenaria serpyllifolia* L.; *Aristolochia clematidis* L.; *Artemisia absinthium* L.; *Bellis perennis* L.; *Campanula trachelium* L.; *Centaurea cyanus* L.; *Cerinthe minor* L.; *Chelidonium majus* L.; *Chenopodium botrys* L.; *Cicerbita alpina* (L.) Wallr.; *Cichorium inthybus* L.; *Clematis vitalba* L.; *Consolida regalis* Gray; *C. orientalis* (J. Gay) Schrödinger; *Convolvulus arvensis* L.; *Crocus flavus* Weston; *Datura stramonium* L.; *Echium vulgare* L.; *Eryngium planum* L.; *Galium verum* L.; *Geranium pusillum* Brum.; *Glaucium corniculatum* (L.) Rudolph; *Hesperis tristis* L.; *Hibiscus trionum* L.; *Lamium album* L.; *L. maculatum* L.; *L. purpureum* L.; *Lapsana communis* L.; *Lappula squarrosa* (Retz.) Dumort.; *Lavatera thuringiaca* L.; *Legousia speculum-veneris* (L.) Chaix; *Leontodon autumnalis* L.; *Ligularia sibirica* (L.) Cass.; *Lithospermum officinale* L.; *Lolium perenne* L.; *Melilotus alba* Medik; *Mercurialis annua* L.; *Myosotis arvensis* (L.) Hill.; *Nepeta nuda* L.; *Nigella arvensis* L.; *O. umbellatum* L.; *Plantago arenaria* Willd. (Waldst. et Kit.); *Pulicaria dysenterica* (L.) Gaertn.; *P. vulgaris* Gaertn.; *Reseda lutea* L.; *Salvia aethiopsis* L.; *S. nemorosa* L.; *S. verticillata* L.; *Sedum telephium* L.; *Senecio erucifolius* L.; *Silene noctiflora* L.; *Sisymbrium orientale* L.; *Solidago virgaurea* L.; *Sorghum halepense* (L.) Pers.

ECOLOGY

On the **sand** can be planted 24 species of which only 3 are woody: *Hippophaë rhamnoides* L.; *Salix rosmarinifolia* L. and *Tamarix ramosissima* Ledeb.

Grass species that can grow on sands are: *Asparagus officinalis* L.; *A. tenuifolius* Lam.; *Calamagrostis epigeios* (L.) Roth.; *Chenopodium botrys* L.; *Chimaphila umbellata* (L.) W. P. C. Barton; *Convolvulus persicus* L.; *Crocus reticulatus* Stev.; *Epilobium dodonaei* Vill.; *Eryngium maritimum* L.; *Glaucium flavum* Crantz.; *Gypsophylla paniculata* L.; *Helichrysum arenarium* (L.) Moench.; *Limonium belidifolium* (Gouan) Dumort ssp. *danubiale* (Klokov) Roman; *Muscari neglectum* Guss. ex Ten.; *Onosma arenaria* Waldst. et Kit.; *Plantago arenaria* Willd.; *Polygonum arenastrum* Boreau; *Potentilla arenaria* Borkn.; *Pulsatilla pratensis* (L.) Mill.; *Ranunculus iliricus* L.; *Sedum acre* L..

Species that can grow on rocks: *Acer monspessulanum* L.; *Aconitum anthora* L.; *Agrostis alpina* L.; *Ajuga genevensis* L.; *Alyssum montanum* L.; *A. saxatile* (L.) Desf.; *Antennaria dioica* (L.) Gaertn.; *Asplenium*

scolopendrium L.; *A. trichomanes* (L.) Hoffm.; *A. viride* Huds.; *Aster alpinus* L.; *A. amellus* L.; *A. linosyris* (L.) Bernh.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Campanula carpatica* Jacq.; *Centaurea atropurpurea* Waldst. et Kit.; *Centaurea triumfetti* All., ssp. *axillaris* (Čelak.) Stef. et. Georgiev, ssp. *stricta* (Waldst. et Kit.) Dostál; *Ceterach officinarum* DC.; *Cystopteris fragilis* (L.) Bernh.; *Cortusa mathioli* L.; *Cotoneaster integerrima* Medik.; *C. melanocarpa* Bunge; *Dianthus callizonus* Schott. et Ky.; *D. spiculifolius* Schur; *Dryas octopetala* L.; *Echium vulgare* L.; *Gentiana verna* L.; *Geranium macrorrhizum* L.; *Gypsophylla paniculata* L.; *Haplophyllum suaveolens* (DC) G. Don; *Helianthemum alpestre* (Jacq.) D.C., Mălăoaie; *H. nummularium* (L.) Mill.; *Helichrysum arenarium* (L.) Moench.; *Iberis saxatilis* L.; *Iris reichenbachii* Heuff.; *Jovibarba globifera* (L.) J. Pamell, *Larix decidua* Mill. ssp. *carpatica* (Dom.) Simon; *Lonicera caerulea* L.; *Oreochloa disticha* (Wulfen) Link.; *Oxyria digyna* (L.) Hill.; *Papaver alpinum* L. ssp. *corona-sancti-stephani* (Zapal.) Borza; *Pinus sylvestris* L.; *Rhamnus saxatilis* L. ssp. *tinctorius* (C. C. Gmel.) Hegi; *Saxifraga aizoides* L.; *S. corymbosa* Boiss.; *S. oppositifolia* L.; *Scabiosa columbaria* L.; *Scutellaria alpina* L.; *Sedum acre* L.; *S. album* L.; *S. alpestre* Vill.; *S. hispanicum* Juslen; *Sempervivum globiferum* L.; *S. marmoreum* Griseb.; *S. tectorum* L.; *Silene saxifraga* L.; *Tulipa hungarica* Borbás ssp. *undulatifolia* Roman et Beldie; *Vaccinium myrtillus* L.

In **sunny places** there are numerous heliophiles species that can be used for both economic and decorative purpose. We have selected the following: *Abutilon theophrastii* Medik.; *Acer monspessulanum* L.; *A. platanoide* L.; *A. pseudoplatanus* L.; *A. tataricum* L.; *Achillea ageratum* L.; *A. collina* (Wirtg.) Heimerl.; *A. millefolium* L.; *A. ptarmica* L.; *Aira elegans* Schur; *A. caryophylla* L.; *Agrostis alpina* L.; *A. rupestris* All.; *A. stolonifera* L.; *Ajuga genevensis* L.; *Ajuga pyramidalis* L.; *Alnus viridis* (Chaix) DC.; *Alopecurus pratensis* L.; *Alyssum saxatile* (L.) Desf., ssp. *saxatile*, ssp. *orientale*; *Anchusa azurea* Mill.; *A. barrelieri* (All.) Vitman; *A. officinalis* L.; *Anemone narcisifolia* L.; *Anthyllis vulneraria* L. ssp. *vulneraria*, ssp. *alpestris* (Hegetschw.) Asch. et Graebn., ssp. *polyphylla* (DC) Nym. ssp. *boissieri* (Sagorski) Borm.; *Arenaria serpyllifolia* L.; *Arnica montana* L.; *Asparagus officinalis* L.; *Asphodeline lutea* (L.) Rchb.; *Asplenium adiantum-nigrum* L.; *Aster linosyris* (L.) Bernh.; *A. tripolium* L.; *Astragalus dasyanthus* Pall.; *Barbarea vulgaris* R. Br.; *Bellis perennis* L.; *Betula nana* L.; *B. pendula* Roth.; *Bidens cernua* L.; *B. tripartita* L.; *Biscutella laevigata* L.; *Botrychium lunaria* (L.) Sv.; *Brachypodium pinnatum* (L.) P. B.; *Briza media* L.; *Bryonia alba* L.; *B. dioica* Jacq.; *Bupleurum affine* Sadler; *Calamagrostis epigeios* (L.) Roth.; *Calluna vulgaris* (L.) Hull.; *Caragana frutex* (L.) C. Koch; *Carlina acaulis* L.; *Centaurea jacea* L.; *C. triumfetti* All.; *Centaureum erythraea* Rafin.; *Cerinthe minor* L.; *Chamaenerion angustifolium* (L.) Holub.; *Chenopodium botrys* L.; *Colchicum autumnale* L.; *Cotoneaster integerrima* Medik.; *Crambe tatarica* Sebeók; *Crataegus laevigata* (Poir) DC.; *C. monogyna* Jacq.; *C. pentagyna* Wald. et Kit.; *Crocus heuffelianus* Herb.; *C. flavus* Weston; *C. reticulatus* Stev.; *Cynosurus cristatus* L.; *Datura stramonium* L.; *Dianthus barbatus* L. ssp. *compactus* (Kit.) Heuff.; *D. carthusianorum* L.; *D. giganteus* D'urv ssp. *banaticus* (Heuff.) Tutin; *D. spiculifolius* Schur; *Drosera rotundifolia* L.; *Dryas octopetala* L.; *Echinops ruthenicus* (M. B.) Hay; *Echium maculatum* Jacq.; *E. vulgare* L.; *Leymus sabulosus* (Lam.) Tzvelev; *Ephedra distachya* L.; *Epilobium collinum* Gmel.; *E. dodonaei* Vill.; *Eriophorum latifolium* Hoope; *Eryngium maritimum* L.; *Festuca arundinacea* Schreber; *F. rubra* L.; *Fritillaria meleagris* L.; *Genistella sagittalis* (L.) Gams; *Genista tinctoria* L.; *Gentiana kochiana* Perr. et Song; *G. lutea* L.; *G. punctata* L.; *G. verna* L.; *Geranium palustre* Torner; *G. pratense* L.; *G. pusillum* Brum.; *Glaucium flavum* Crantz; *Glycyrrhiza glabra* L.; *Gymnadenia conopsea* (L.) R. C. Br.; *Gypsophylla muralis* L.; *G. paniculata* L.; *Haplophyllum suaveolens* (DC) G. Don; *Helianthemum alpestre* (Jacq.) DC.; *H. nummularium* (L.) Mill.; *Helichrysum arenarium* (L.) Moench.; *Helleborus odorus* Waldst. et Kit.; *H. purpurascens* Waldst. et Kit.; *Hepatica nobilis* Schreb.; *H. transsilvanica* Fuss.; *Hesperis matronalis* L.; *H. sylvestris* Crantz.; *H. tristis* L.; *Hieracium aurantiacum* L.; *H. villosum* Jacq.; *Hippophaë rhamnoides* L.; *Humulus lupulus* L.; *Hyacinthella leucophaea* (K. Koch) Schur; *Hypochoeris radicata* L.; *Iberis saxatilis* L.; *Iris reichenbachii* Heuff.; *I. ruthenica* Gawl.; *I. sibirica* L.; *Isatis tinctoria* L.; *Juniperus communis* L., ssp. *communis*, ssp. *sibirica*; *Kochia scoparia* (L.) Schrad.; *Leontopodium alpinum* (L.) Cass.; *Lepidium latifolium* L.; *Limonium belidifolium* (Gouan) Dumort ssp. *danubiale* (Klokov) Roman; *L. gmelini* (Willd.) Kuntze; *Linaria vulgaris* Mill.; *L. vulgaris* L.; *Linum austriacum* L.; *L. extraaxillare* Kit.; *L. flavum* L.; *L. hirsutum* L.; *L. nervosum* Waldst. et Kit.; *L. tenuifolium* L.; *Lolium perenne* L.; *Lycopodium clavatum* L.; *Malva sylvestris* L.; *M. verticillata* L.; *Marsilea quadrifolia* L.; *Melilotus alba* Medik.; *M. officinalis* Lam.; *Mentha pulegium* L.; *M. spicata* L.; *Menyanthes trifoliata* L.; *Myricaria germanica* Desf.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Nardus stricta* L.; *Nepeta nuda* L.; *Nigella arvensis* L.; *Nuphar lutea* Sm.; *Nymphaea alba* L.; *N. candida* C. Presl.; *Oenothera biennis* L.; *Ononis spinosa* L.; *Onosma arenaria* Waldst. et Kit.; *Orchis coriophora* L.; *O. militaris* L.; *O. purpurea* Huds.; *Oreochloa disticha* (Wulfen) Link.; *Oxyria digyna* (L.) Hill.; *Paeonia tenuifolia* L.; *Paliurus spina-christi* Mill.; *Papaver alpinum* L., ssp. *corona-sancti-stephani* (Zapal.) Borza; *Parnasia palustris* L.; *Pedicularis exaltata* Bess.; *Phlomis tuberosa* L.; *Phyteuma orbiculare* L.; *Ph. spicatum* L.; *Ph. tetramerum* Schur; *Ph. wagneri* A. Kern; *Pinus cembra* L.; *P. mugo* Turra, Jneapăn; *P. nigra* J. F. Arnold ssp. *banatica* (Borbás) Novák; *Plantago arenaria* Willd.; *P. argentea* Chaix; *Poa pratensis* L.; *Potentilla argentea* L.; *Pulicaria dysenterica* (L.) Gaertn.; *P. vulgaris* Gaertn.; *Pulsatilla montana* (Hoppe) Rchb.; *P. pratensis* (L.) Mill., ssp. *nigricans* (Störch.) Zämelis, ssp. *flavescens* (Hazsl.) Holub.; *Ranunculus iliricus* L.; *Rosa canina* L.; *Rumex acetosa* L.; *R. acetosella* L.; *R. alpinus* L.; *Salix*

alba L.; *S. pentandra* L.; *S. purpurea* L.; *S. rosmarinifolia* L.; *S. triandra* L.; *S. viminalis* L.; *Salvia aethiopsis* L.; *S. pratensis* L.; *S. sclarea* L.; *S. verticillata* L.; *Saxifraga aizoides* L.; *S. corymbosa* Boiss; *Scabiosa columbaria* L.; *Scabiosa ochroleuca* L.; *Scutellaria alpina* L.; *Sedum acre* L.; *Sedum album* L.; *S. alpestre* Vill.; *S. hispanicum* Juslen; *S. maximum* (L.) Hoffm.; *Sempervivum globiferum* L.; *S. marmoreum* Griseb.; *S. tectorum* L.; *Silene alba* (Mill.) E. H. L. Krause; *S. saxifraga* L.; *S. vulgaris* (Moench.) Garcke; *Sisymbrium orientale* L.; *Sisyrinchium montanum* Greene; *Stipa capillata* L.; *S. pennata* L.; *Suaeda maritima* (L.) Dumort.; *Symphytum cordatum* W. et K.; *S. officinale* L.; *Teucrium polium* L. ssp. *capitatum* (L.) Arcang.; *Thalictrum lucidum* L.; *Tofieldia calyculata* (L.) Wahlenb.; *Tragopogon porrifolius* (L.); *Trifolium repens* L.; *Trollius europaeus* L.; *Tulipa hungarica* Borbás ssp. *undulatifolia* Roman et Beldie; *Tulipa sylvestris* L.; *Tussilago farfara* L.; *Typha angustifolia* L.; *T. minima* Hoppe; *T. schuttleworthii* Koch et Sonder; *Ulmus minor* Mill.; *Valeriana montana* L.; *Verbascum chaixii* Vill.; *V. densiflorum* Bertol.; *V. phlomoides* L.; *V. thapsus* L.; *Veronica incana* L.; *V. orchidea* Cr.; *Viscum album* L.; *Xanthium spinosum* L.; *Xeranthemum annuum* L.

In **shady places** there are 115 sciaphile species which we present in the following list: *Abies alba* Mill.; *Acer campestre* L.; *A. platanoides* L.; *A. pseudoplatanus* L.; *A. tataricum* L.; *Aconitum lycoctonum* L. em. Koelle; *Actaea spicata* L.; *Allium ursinum* L.; *Alnus glutinosa* (L.) P. Gaertn.; *Anemone nemorosa* L.; *A. ranunculoides* L.; *Arum maculatum* L.; *Asarum europaeum* L.; *Asplenium scolopendrium* L.; *A. trichomanes* (L.) Hoffm.; *Bryonia alba* L.; *B. dioica* Jacq.; *Bupleurum affine* Sadler; *Calla palustris* L.; *Campanula trachelium* L.; *Cardamine impatiens* L.; *C. pratensis* L.; *Carpinus betulus* L.; *Cystopteris fragilis* (L.) Bernh.; *Chimaphila umbellata* (L.) W. P. C. Barton; *Cicerbita alpina* (L.) Wallr.; *Circaea lutetiana* L.; *Colutea arborescens* L.; *Corydalis cava* (L.) Schweigg. et Körte; *Corydalis solida* (L.) Clairv.; *Cypripedium calceolus* L.; *Cystopteris fragilis* (L.) Bernh.; *Daphne mezereum* L.; *Dioscorea communis* (L.) Caddick et Wikin; *Dryopteris filix-mas* (L.) Scott.; *Epilobium montanum* L.; *E. telmateja* Ehrh.; *Erythronium dens-canis* L.; *Euonymus latifolius* (L.) Mill.; *Euonymus nanus* Bieb.; *Fagus sylvatica* L.; *Fragaria vesca* L.; *Galanthus nivalis* L.; *G. plicatus* M. Bieb.; *Galium odoratum* (L.) Scop.; *Geranium macrorrhizum* L.; *Geum urbanum* L.; *Gymnocarpium dryopteris* (L.) Newman; *Hedera helix* L.; *Helleborus odorus* Waldst. et Kit.; *H. purpurascens* Waldst. et Kit.; *Hepatica nobilis* Schreb.; *H. transsilvanica* Fuss.; *Hesperis sylvestris* Crantz.; *Ilex aquifolium* L.; *Impatiens noli-tangere* L.; *Isopyrum thalictroides* L.; *Lamium galeobdolon* (L.) Crantz.; *L. maculatum* L.; *Lapsana communis* L.; *Laser trilobum* (L.) Borkh.; *Lathraea squamaria* L.; *Lathyrus vernus* (L.) Bernh.; *Lilium martagon* L.; *Lithospermum purpureo-caeruleum* L.; *Lonicera caerulea* L.; *L. nigra* L.; *Lunaria annua* L.; *L. rediviva* L.; *Luzula luzuloides* (Lam.) Dandy et Wiilmott; *L. sylvatica* (Huds.) Gaud.; *Lycopodium annotinum* L.; *L. clavatum* L.; *Lysimachia nummularia* L.; *Melampyrum bihariense* Kern.; *Myosotis sylvatica* (Ehrh.) Hoffm.; *Ophioglossum vulgatum* L.; *Oxalis acetosella* L.; *Paris quadrifolia* L.; *Physalis alkekengi* L.; *Polygonatum multiflorum* (L.) All.; *P. odoratum* (Mill.) Druce; *Polystichum lonchitis* (L.) Roth.; *P. setiferum* (Forsk.) Wayn.; *Prunus padus* L.; *Pulicaria dysenterica* (L.) Gaertn.; *Pulmonaria officinalis* L.; *P. rubra* Schott.; *Pulsatilla montana* (Hoppe) Rchb.; *Ribes alpinum* L.; *R. nigrum* L.; *Ruscus hipoglossum* L.; *Salix fragilis* L.; *S. pentandra* L.; *Salvia glutinosa* L.; *Scilla bifolia* L.; *Scopolia carniolica* Jacq.; *Solidago virgaurea* L.; *Streptopus amplexifolius* (L.) DC.; *Symphytum cordatum* W. et K.; *Taxus baccata* L.; *Thalictrum aquilegifolium* L.; *Ulmus minor* Mill.; *U. laevis* Pall.; *Veratrum nigrum* L.; *Veronica officinalis* L.; *Vinca minor* L.; *Viola alba* Bess.; *V. biflora* L.; *V. odorata* L.; *V. reichenbachiana* Jord. ex Boreau; *Waldsteinia geoides* Willd.; *W. ternata* (Stephan) Fritsch.

Plants from the highest altitudes, with an alpine or snow climate: *Oxyria digyna* (L.) Hill., *Papaver alpinum* L., ssp. *corona-sancti-stephani* (Zapal.) Borza.

Alpine and subalpine climate plants: *Agrostis alpina* L., *Anemone narcisifolia* L. ssp. *narcisifolia*, ssp. *biarmiensis* Jalas, ssp. *alpestris* (Hegetschw.) Asch. et Graebn.; *Dianthus callizonus* Schott. et Ky.; *Dryas octopetala* L.; *Helianthemum alpestre* (Jacq.) D.C.; *Sedum alpestre* Vill.

Plants distributed predominantly in the **subalpine level:** *Agrostis rupestris* All.; *Alchemilla xanthochlora* Rothm.; *Alnus viridis* (Chaix) DC.; *Aquilegia transsilvanica* Baumg.; *Arabis alpina* L.; *Aster alpinus* L.; *Corylus colurna* L.; *Gentiana kochiana* Perr. et Song.; *G. lutea* L.; *G. punctata* L.; *G. verna* L.; *Hieracium villosum* Jacq.; *Linum hirsutum* L.; *Phyteuma wagneri* A. Kern.; *Pinus cembra* L.; *P. mugo* Turra; *Saxifraga aizoides* L.; *S. corymbosa* Boiss; *Scutellaria alpina* L.; *Sempervivum globiferum* L.; *S. marmoreum* Griseb., *Vaccinium uliginosum* L.

Plants from the **Plants from the climate of the middle, lower mountain level and high Subcarpathian hills:** *Abies alba* Mill.; *Aconitum lycoctonum* L. em. Koelle; *Adenostyles alliariae* (Gouan) Kern.; *Alnus incana* (L.) Moench; *Angelica archangelica* L.; *Arctostaphylos uva-ursi* (L.) Spreng; *Arnica montana* L.; *Asplenium viride* Huds.; *Astrantia major* L.; *Betula nana* L.; *B. pubescens* Ehrh.; *Biscutella laevigata* L.; *Botrychium lunaria* (L.) Sv.; *Briza media* L.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Calla palustris* L.; *Campanula carpatica* Jacq.; *Carlina acaulis* L.; *Centaurea triumfetti* All.; *Chimaphila umbellata* (L.) W.P.C.Barton; *Cortusa mathioli* L.;

Daphne blagayana Freyer; *Dianthus barbatus* L.; *D. spiculifolius* Schur; *D. superbus* L.; *Drosera rotundifolia* L.; *Fagus sylvatica* L.; *Festuca rubra* L.; *Gymnocarpium dryopteris* (L.) Newman; *Hieracium aurantiacum* L.; *Ilex aquifolium* L.; *Juniperus sabina* Lodd.; *Larix decidua* Mill.; *Lilium bulbiferum* L.; *L. carnolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *Lonicera caerulea* L.; *L. nigra* L.; *Luzula sylvatica* (Huds.) Gaud.; *Lycopodium annotinum* L.; *L. clavatum* L.; *Lysimachia thyrsiflora* L.; *Myosotis sylvatica* (Ehrh.) Hoffm.; *Oreopteris limbosperma* (Bellardi ex All.) Holub.; *Oxalis acetosella* L.; *Pedicularis exaltata* Bess.; *P. sylvatica* L.; *Phyteuma orbiculare* L.; *Picea abies* (L.) H. Karst.; *Pinus nigra* J. F. Arnold ssp. *banatica* (Borbás) Novák; *Polemonium caeruleum* L.; *Polygonum bistorta* L.; *Polystichum lonchitis* (L.) Roth.; *P. setiferum* (Forsk.) Wayn.; *Pulmonaria rubra* Schott.; *Ribes alpinum* L.; *Salix pentandra* L.; *Salvia glutinosa* L.; *Sambucus racemosa* L.; *Sorbus aucuparia* L.; *Streptopus amplexifolius* (L.) DC.; *Symphytum cordatum* W. et K.; *Thalictrum foetidum* L.; *Tofieldia calyculata* (L.) Wahlenb.; *Trolius europaeus* L.; *Vaccinium oxycoccus* L.; *Valeriana montana* L.; *V. sambucifolia* J. C. Mikan; *Veratrum album* L.

Plants that prefer **warm places in the plains**: *Ajuga chamaeptytis* L.; *Asparagus verticillatus* L.; *Caragana frutex* (L.) C. Koch; *Consolida orientalis* (J. Gay) Schrödinger; *Echinocystis lobata* (Michx.) Torr. Et A. Gray; *Glaucium corniculatum* (L.) Rudolph, G. *flavum* Crantz; *Galanthus plicatus* M. Bieb.; *Legousia speculum-veneris* (L.) Chaix; *Lithospermum purpureo-caeruleum* L.; *Lycium halimifolium* Mill.; *Lychnis coronaria* (L.) Desr.; *Limonium belidifolium* (Gouan) Dumort ssp. *danubiale* (Klokov) Roman; *Marsilea quadrifolia* L.; *Nigella arvensis* L.; *Paeonia peregrina* Mill.; *Periploca graeca* L.; *Plumbago europaea* L.; *Prunus mahaleb* L. *Polypogon monspeliense* (L.) Desf.; *Pulsatilla pratensis* (L.) Mill., ssp. *flavescens* (Hazsl.) Holub.; *Quercus pedunculiflora* K. Koch; *Salvia sclarea* L.; *Salvinia natans* (L.) All.; *Teucrium scordium* L.; *Ulmus minor* Mill.

Plants that prefer warm and very warm areas: *Abutilon theophrastii* Medik.; *Asphodeline lutea* (L.) Rchb.; *Convolvulus persicus* L.; *Haplophyllum suaveolens* (DC) G. Don; *Iberis saxatilis* L.; *Paeonia tenuifolia* L.; *Pyrus eleagrifolia* Pall.; *Ruscus aculeatus* L.; *R. hipoglossum* L.; *Cotinus coggygria* Scop.; *Ecballium elaterium* (L.) A. Rich.; *Fraxinus ornus* L.; *Paliurus spina-christi* Mill.; *Quercus cerris* L.; *Q. pubescens* Wiild, etc.

Plants from humid environments can be introduced into green areas

Plants from swampy lands: *Acorus calamus* L.; *Agrostis stolonifera* L.; *Alisma plantago-aquatica* L.; *Alnus glutinosa* L. (Gaertn); *A. incana* (L.) Moench.; *Angelica archangelica* L.; *A. sylvestris* L.; *Barbarea vulgaris* R. Br.; *Betula nana* L.; *Bidens cernua* L.; *B. tripartita* L.; *Calla palustris* L.; *Caltha palustris* L.; *Drosera rotundifolia* L.; *Echinocystis lobata* (Michx.) Torr. et A. Gray; *Epilobium hirsutum* L.; *E. parviflorum* Schur.; *Equisetum telmateja* Ehrh.; *Eriophorum latifolium* Hoope; *Geum rivale* L.; *Gratiola officinalis* L.; *Humulus lupulus* L.; *Hypericum tetrapterum* Fr.; *Iris pseudacorus* L.; *I. sibirica* L.; *Leucorum aestivum* L.; *Lysimachia vulgaris* L.; *L. thyrsiflora* L.; *Lythrum salicaria* L.; *Mentha aquatica* L.; *M. arvensis* L.; *M. longifolia* (L.) Natah.; *Menyanthes trifoliata* L.; *Myricaria germanica* Desf.; *Oenanthe aquatica* (L.) Poir.; *Pedicularis palustris* L.; *Petasites albus* (L.) Gaertn.; *P. hybridus* L. (P. Gaertn.); *Populus nigra* L.; *Sagittaria sagittifolia* L.; *Salix alba* L.; *S. cinerea* L.; *S. daphnoides* Vill.; *S. elaeagnos* Scop.; *S. fragilis* L.; *S. pentandra* L.; *S. purpurea* L.; *S. rosmarinifolia* L.; *S. triandra* L.; *S. viminalis* L.; *Scrophularia umbrosa* Dumort.; *Solanum dulcamara* L.; *Teucrium scordium* L.; *Thalictrum aquilegifolium* L.; *Th. flavum* L.; *Th. lucidum* L.; *Thelypteris palustris* Scott.; *Tofieldia calyculata* (L.) Wahlenb.; *Tussilago farfara* L.; *Typha angustifolia* L.; *T. minima* Hoppe; *T. schuttelworthii* Koch et Sonder; *Ulmus laevis* Pall.; *Veronica beccabunga* L.; *V. longifolia* L.

Plants from ditches: *Angelica sylvestris* L.; *Cardamine amara* L.; *Iris sibirica* L.; *Sagittaria sagittifolia* L.

Plants from puddles: *Elodea canadensis* L. C. Rich.; *Marsilea quadrifolia* L.; *Myriophyllum spicatum* L.; *M. verticillatum* L.; *Nasturtium officinalis* (L.) R. Br.; *Nuphar lutea* Sm.; *Nymphaea alba* L.; *N. candida* C. Presl.; *Nymphoides peltata* (Gmel.) O. Kuntze; *Phragmites australis* (Cav.) Trin.; *Polygonum amphibium* L.; *Potamogeton crispus* L.; *Salvinia natans* (L.) All.; *Stratiotes aloides* L.; *Vallisneria spiralis* L.

Plants from salt areas: *Aster tripolium* L.; *Leymus sabulosus* (Lam.) Tzvelev; *Epilobium hirsutum* L.; *Eryngium maritimum* L.; *Festuca arundinacea* Schreber; *Fraxinus pallisae* Willmott; *Fritillaria meleagris* L.; *Glaucium flavum* Crantz; *Gypsophylla muralis* L.; *Lepidium latifolium* L.; *Lythrum salicaria* L.; *Melilotus altissima* Thuill.; *Mentha pulegium* L.; *Potentilla anserina* L.; *Pulicaria dysenterica* (L.) Gaertn.; *P. vulgaris* Gaertn; *Ranunculus repens* L.; *Suaeda maritima* (L.) Dumort.; *Tamarix ramosissima* Ledeb.; *Teucrium scordium* L.; *Trifolium repens* L.

Plants from acid soils: *Abies alba* Mill.; *Adenostyles alliariae* (Gouan) Kern.; *Aira caryophyllea* L.; *Agrostis alpina* L.; *A. rupestris* All.; *A. capillaris* L.; *Ajuga reptans* L.; *Alchemilla xanthochlora* Rothm.; *Alnus incana* (L.) Moench.; *A. viridis* (Chaix) DC.; *Anemone narcisifolia* L.; *A. nemorosa* L.; *Angelica archangelica* L.; *Antennaria dioica* (L.) Gaertn.; *Anthemis cotula* L.; *Anthyllis vulneraria* L.; *Aquilegia transsilvanica* Baumg.; *Arctostaphylos*

uva-ursi (L.) Spreng.; *Arnica montana* L.; *Aster alpinus* L.; *Astrantia major* L.; *Betula nana* L.; *B. pubescens* Ehrh.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Calla palustris* L.; *Calluna vulgaris* (L.) Hull.; *Carlina acaulis* L.; *Centaurea triumfetti* All.; *Chimaphila umbellata* (L.) W. P. C. Barton; *Cicerbita alpina* (L.) Wallr.; *Colchicum autumnale* L.; *Corylus colurna* L.; *Crocus heuffelianus* Herb.; *Cymbalaria muralis* P. Gärtn.; *Cynosurus cristatus* L.; *Dactylorhiza maculata* (L.) Soó; *Daphne blagayana* Freyer; *Dianthus barbatus* L.; *D. carthusianorum* L.; *D. glacialis* Haenke; *D. superbus* L.; *Drosera rotundifolia* L.; *Dryopteris filix-mas* (L.) Scott.; *Epilobium dodonaei* Vill.; *Fagus sylvatica* L.; *Festuca rubra* L.; *Gentiana kochiana* Perr. et Song., *Gentiana lutea* L.; *G. punctata* L.; *G. verna* L.; *Geum montanum* L.; *Gymnocarpium dryopteris* (L.) Newman; *Gymnadenia conopsea* (L.) R. C. Br.; *Hepatica nobilis* Schreb.; *H. transsilvanica* Fuss.; *Hesperis sylvestris* Crantz.; *Hieracium aurantiacum* L.; *Hypochoeris radicata* L.; *Ilex aquifolium* L.; *Lathraea squamaria* L.; *Lepidium latifolium* L.; *Lilium bulbiferum* L.; *L. carniolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *L. martagon* L.; *Lonicera caerulea* L.; *L. nigra* L.; *Luzula campestris* (L.) DC.; *L. luzuloides* (Lam.) Dandy et Wilmott.; *L. sylvatica* (Huds.) Gaud.; *Lycopodium annotinum* L.; *L. clavatum* L.; *Lysimachia thyrsiflora* L.; *Myosotis sylvatica* (Ehrh.) Hoffm.; *Myricaria germanica* Desf.; *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker; *Nardus stricta* L.; *Oreochloa disticha* (Wulfen) Link.; *Oxalis acetosella* L.; *Oxyria digyna* (L.) Hill.; *Pedicularis exaltata* Bess.; *P. palustris* L.; *P. sceptrum-carolinianum* L.; *P. sylvatica* L.; *Phyteuma orbiculare* L.; *Ph. spicatum* L.; *Ph. tetramerum* Schur; *Ph. wagneri* A. Kern; *Phytolaca americana* L.; *Picea abies* (L.) H. Karst.; *Pinus cembra* L.; *P. mugo* Turra; *Polygonum bistorta* L.; *Ranunculus ficaria* L.; *Ribes alpinum* L.; *R. nigrum* L.; *Rosa pendulina* L.; *Rubus idaeus* L.; *Rumex acetosella* L.; *Salix elaeagnos* Scop.; *S. pentandra* L.; *Salvia glutinosa* L.; *Sambucus racemosa* L.; *Saxifraga aizoides* L.; *Scabiosa columbaria* L.; *Scutellaria alpina* L.; *Sedum alpestre* Vill.; *Sempervivum marmoreum* Griseb.; *Sisyrinchium montanum* Greene; *Sorbus aucuparia* L.; *Streptopus amplexifolius* (L.) DC.; *Symphytum cordatum* W. et K.; *Syringa josikaea* Jacq. F. ex Rchb.; *Taxus baccata* L.; *Tofieldia calyculata* (L.) Wahlenb.; *Trolius europaeus* L.; *Vaccinium myrtillus* L.; *V. oxycoccus* L.; *V. uliginosum* L.; *V. vitis-idaea* L.; *Veratrum album* L.; *Viola biflora* L.

Plants from alkaline soils: *Acer monspessulanum* L.; *Alyssum saxatile* (L.) Desf.; *Asphodeline lutea* (L.) Rchb.; *Centaurea atropurpurea* Waldst et Kit.; *C. triumfetti* All., ssp. *axillaris* (Čelak.) Stef. et. Georgiev, ssp. *stricta* (Waldst. et Kit.) Dostál; *Convolvulus persicus* L.; *Cypripedium calceolus* L.; *Cystopteris fragilis* (L.) Bernh.; *Digitalis lanata* Ehrh.; *Dioscorea communis* (L.) Caddick et Wikin; *Dryas octopetala* L.; *Euonymus latifolius* (L.) Mill.; *Fraxinus ornus* L.; *Fritillaria meleagris* L.; *Galanthus plicatus* M. Bieb.; *Geranium macrorrhizum* L.; *Geum rivale* L.; *Gypsophylla paniculata* L.; *Haplophyllum suaveolens* (DC.) G. Don; *Helianthemum alpestre* (Jacq.) DC.; *Helleborus odorus* Waldst. et Kit.; *Isatis tinctoria* L.; *Jasminum fruticans* L.; *Leontopodium alpinum* (L.) Cass.; *Lychnis coronaria* (L.) Desr.; *Orchis purpurea* Huds.; *Paeonia peregrina* Mill.; *P. tenuifolia* L.; *Paliurus spinachristi* Mill.; *Polystichum lonchitis* (L.) Roth.; *Prunus padus* L.; *Ruscus aculeatus* L.; *R. hipoglossum* L.; *Saxifraga oppositifolia* L.; *Selaginella helvetica* (L.) Spreng.; *Sempervivum globiferum* L.; *Silene saxifraga* L.; *Syringa vulgaris* L.

Plants that prefer soils with high level of nitrogen: *Adenostyles alliariae* (Gouan) Kern.; *Adoxa moschatelina* L.; *Alisma plantago-aquatica* L.; *Allium ursinum* L.; *Anemone ranunculoides* L.; *Angelica archangelica* L.; *Aristolochia clematitis* L.; *Artemisia absinthium* L.; *Arum maculatum* L.; *Bidens cernua* L.; *B. tripartita* L.; *Cardamine impatiens* L.; *Cicerbita alpina* (L.) Wallr.; *Corydalis cava* (L.) Schweigg. et Körte; *C. solida* (L.) Clairv.; *Datura stramonium* L.; *Epilobium hirsutum* L.; *Eupatorium cannabinum* L.; *Galega officinalis* L.; *Geranium palustre* Torner; *Humulus lupulus* L.; *Lamium album* L.; *L. maculatum* L.; *Leucium aestivum* L.; *Linum tenuifolium* L.; *Lunaria annua* L.; *L. rediviva* L.; *Malva sylvestris* L.; *Mentha longifolia* (L.) Natch.; *Petasites hybridus* L. (P. Gaertn.); *Rubus caesius* L.; *R. idaeus* L.; *Rumex alpinus* L.; *Sambucus nigra* L.; *Sambucus racemosa* L.; *Solanum dulcamara* L.; *Stachys officinalis* (L.) Trev.; *Stratiotes aloides* L.; *Symphytum officinale* L.; *Viola odorata* L.

Plants that support soils with extreme poor level of nitrogen: *Achillea pannonica* Scheele; *Adonis vernalis* L.; *A. volgensis* Steven ex DC.; *Aira elegans* Schur; *A. caryophyllaea* L.; *Agrostis rupestris* All.; *Ajuga chamaeepytis* L.; *A. reptans* L.; *Alyssum montanum* L.; *A. saxatile* (L.) Desf.; *Calluna vulgaris* (L.) Hull; *Drosera rotundifolia* L.; *Helichrysum arenarium* (L.) Moench.; *Lysimachia nummularia* L.; *Potentilla arenaria* Borkn.; *Sedum acre* L.; *S. album* L.; *Thymus serpyllum* Fries; *Vaccinium oxycoccus* L.

Plants that support soils with extreme poor to poor level of nitrogen: *Achillea collina* (Wirtg.) Heimerl; *Achillea seidlilii* J. Presl et C. Presl (*A. pannonica* Scheele); *A. ptarmica* L.; *Aconitum anthora* L.; *A. firmum* (Rchb.) Gayer; *A. lycoctonum* L. em. Koelle ssp. *lasiosomum* (Rchb. ex Besser) K. Warncke; *Adenophora liliifolia* (L.) A. DC.; *Adonis flammea* Jacq.; *Ajuga genevensis* L.; *A. pyramidalis* L.; *Anacamptis pyramidalis* L. C. M. Richard; *Anchusa barrelieri* (All.) Vitman; *Aquilegia transsilvanica* Baumg.; *Arnica montana* L.; *Aster alpinus* L.; *A. linosyris* (L.) Bernh.; *Astragalus dasyanthus* Pall.; *Biscutella laevigata* L.; *Briza media* L.; *Bruchenthalia spiculifolium* (Salisb.) Rchb.; *Carlina acaulis* L.; *Centaurea jacea* L. ssp. *angustifolia* (DC.) Gremli; *Cotoneaster integerrima* Medik.; *Cytisus nigricans* L.; *Daphne cneorum* L.; *Dianthus superbus* L.; *Dictamnus albus* L.; *Echinops ruthenicus* (M. B.) Hay; *Epilobium collinum* Gmel.; *E. dodonaei* Vill.; *Eriophorum latifolium* Hoope;

Filipendula vulgaris Moench.; *Genistella sagitalis* (L.) Gams; *Genista tinctoria* L.; *Gentiana kochiana* Perr. et Song.; *G. lutea* L.; *G. punctata* L.; *G. verna* L.; *Geum montanum* L.; *Gypsophylla muralis* L.; *G. paniculata* L.; *Haplophyllum suaveolens* (DC.) G. Don; *Helianthemum alpestre* (Jacq.) D.C.; *Helianthemum nummularium* (L.) Mill.; *Hesperis tristis* L.; *Hieracium umbellatum* L.; *Hippophaë rhamnoides* L.; *Hypochoeris maculata* L.; *Iris sibirica* L.; *Juniperus sabina* Lodd.; *Laser trilobum* (L.) Borkh.; *Lathyrus latifolius* L.; *L. sylvestris* L.; *Linum austriacum* L.; *L. hirsutum* L.; *Linum perenne* L.; *Lonicera caerulea* L.; *Lotus corniculatus* L.; *Luzula campestris* (L.) DC.; *L. luzuloides* (Lam.) Dandy et Wiilmott; *Lycopodium clavatum* L.; *Menyanthes trifoliata* L.; *Ophioglossum vulgatum* L.; *Orchis coriophora* L.; *Parnasia palustris* L.; *Pedicularis palustris* L.; *P. sylvatica* L.; *Phyteuma orbiculare* L.; *Ph. wagneri* A. Kern.; *Prunus mahaleb* L.; *Pulsatilla montana* (Hoppe) Rchb.; *Rumex acetosella* L.; *Salix rosmarinifolia* L.; *Sedum alpestre* Vill.; *Selaginella helvetica* (L.) Spreng.; *Sorbus domestica* L.; *Taxus baccata* L.; *Teucrium polium* L. ssp. *capitatum* (L.) Arcang.; *Trifolium rubens* L.; *Typha minima* Hoppe; *Valeriana montana* L.; *Verbascum phoeniceum* L.; *Veronica incana* L.; *V. spicata* L.; *V. teucrium* L.; *Viola canina* L.; *Viola hirta* L.

The following plants can grow on soils poor in nitrogen: *Adonis aestivalis* L.; *Agrostis capillaris* L.; *Anchusa officinalis* L.; *Anemone sylvestris* L.; *Antennaria dioica* (L.) Gaertn.; *Anthemis cotula* L.; *Anthyllis vulneraria* L. ssp. *alpestris* (Hegetschw.) Asch. et Graebn.; *Arabis alpina* L.; *Asplenium trichomanes* (L.) Hoffm.; *Aster amellus* L.; *Anchusa azurea* Mill.; *Bulbocodium versicolor* (Ker Gawl.) Spreng.; *Chimaphila umbellata* (L.) W.P.C.Barton; *Clematis recta* L.; *Crambe tataria* Sebeók; *Crataegus monogyna* Jacq.; *Crocus reticulatus* Stev.; *Cymbalaria muralis* P. Gartn.; *Elodea canadensis* L. C. Rich.; *Erythronium dens-canis* L.; *Euonymus europaeus* L.; *Dianthus armeria* L.; *D. giganteus* D'urv ssp. *banaticus* (Heuff.) Tutin; *D. spiculifolius* Schur; *D. tenuifolius* Schur; *Echium maculatum* Jacq.; *Fragaria viridis* Duch.; *Frangula alnus* Mill.; *Fraxinus ornus* L.; *Galium verum* L.; *Geranium sanguineum* L.; *Helleborus odorus* Waldst. et Kit.; *H. purpurascens* Waldst. et Kit.; *Hieracium villosum* Jacq.; *Hyacinthella leucophaea* (K. Koch) Schur; *Hypochaeris radicata* L.; *Iris ruthenica* Gawl.; *Isatis tinctoria* L.; *Larix decidua* Mill ssp. *carpatica* (Dom.) Simon; *Leontopodium alpinum* (L.) Cass.; *Leucanthemum vulgare* (Vall.) Lam.; *Lilium bulbiferum* L.; *L. carniolicum* Bernh. ssp. *jankae* (A. Kern) A. et G.; *Linaria vulgaris* Mill.; *Linum flavum* L.; *Lycopodium annotinum* L.; *Lysimachia thyrsiflora* L.; *Melilotus alba* Medik; *Nigella arvensis* L.; *Ononis spinosa* L.; *Origanum vulgare* L.; *Pinus cembra* L.; *Plantago argentea* Chaix.; *Polygonatum odoratum* (Mill.) Druce; *Primula veris* L.; *Prunella grandiflora* (L.) Scholler; *Sanguisorba minor* L.; *S. officinalis* L.; *Saxifraga aizoides* L.; *Scabiosa ochroleuca* L.; *S. maximum* (L.) Hoffm.; *Thalictrum lucidum* L.; *Typha schuttleworthii* Koch et Sonder; *Vaccinium myrtillus* L.; *V. uliginosum* L.; *Veronica officinalis* L.; *V. orchidea* Cr.; *Vincetoxicum hirsutaria* Medic.; *Xeranthemum annuum* L.

The following plants can grow on soils with a poor to moderate content of mineral nitrogen: *Actaea spicata* L.; *Allium rotundum* L.; *Anemone narcisifolia* L.; *Astragalus glycyphyllos* L.; *Brachypodium pinnatum* (L.) P. B.; *Bupleurum affine* Sadler; *Calla palustris* L.; *Centaurea triumfetti* All.; *Cerinthe minor* L.; *Consolida regalis* Gray; *Cornus mas* L.; *Cynosurus cristatus* L.; *Dryas octopetala* L.; *Echium vulgare* L.; *Euonymus latifolius* (L.) Mill.; *Festuca arundinacea* Schreber; *Geum rivale* L.; *Glaucium corniculatum* (L.) Rudolph; *Hepatica transsilvanica* Fuss.; *Isopyrum thalictroides* L.; *Lathyrus tuberosus* L.; *Lithospermum purpureo-caeruleum* L.; *Luzula luzuloides* (Lam.) Dandy et Wilmott; *Lychnis coronaria* (L.) Desr.; *Lysimachia punctata* L.; *Mentha aquatica* L.; *Polygonatum multiflorum* (L.) All.; *Pyrus pyraeaster* (L.) Burgsd.; *Ranunculus iliricus* L.; *Rosa gallica* L.; *Salix cinerea* L.; *S. daphnoides* Vill.; *S. elaeagnos* Scop.; *S. pentandra* L.; *Salvia nemorosa* L.; *S. pratensis* L.; *Scabiosa columbaria* L.; *Senecio erucifolius* L.; *Sorbus torminalis* (L.) Crantz.

CONCLUSION

Currently, decorative plants from outside our geographical area are acclimatized. The list of them is very long. We would not mention them here at all, but with what is written here, they widen our possibilities to connect with nature, maybe, also to increase the interest in the world's plants, in the living conditions of the 21st century.

The lists of wild plants mentioned above have informative value but with the current means of accessing the information, those who are interested can find practical notions about them, in other sources.

It is an extremely succinct synthesis, reduced to scientific names and key uses. The patient reader if he accepts this starting point will be safe in further researches.

This list comes from the Romanian botanical literature and it can be supplemented with many examples.

Some plants can be surprising because the current territory of the country has large areas devoted to agriculture that have completely eliminated the biodiversity of the flora and vegetation of the past centuries.

In the future in some places only the grassy carpet may be attractive because it greatly changes the appearance of destroyed ecosystems.

Only by recreating the history of vegetation in certain places we will have elements of comparison.

We hope that these preliminary data will constitute a starting point for more detailed study of this category of plants.

REFERENCES

1. Bălțeanu D. *English- Romanian, Romanian- English Plants dictionary*. Editura Pim, Iași, 2002.
 2. Bărbulescu C., Motcă G. *Pajiștile de deal din România*. Editura Ceres, București, 1987, 26-54; 133-138.
 3. Bărbulescu C., Burcea P., Motcă G. *Determinator pentru Flora pajiștilor cu elemente de tehnologie*. Editura Ceres, București, 1980.
 4. Borza A. *Ethnobotanical Dictionary*. Editura Academiei R.S. România, București, 1968.
 5. Buckingham J., Ranjit V., Munasinghe N. *Dictionary of flavonoids*. CRC Press, 2015.
 6. Burzo I. *Compoziția plantelor medicinale și alimentare din flora spontană și cultivată*. Editura Elisavaros, București, 2015.
 7. Ciocârlan V. *Flora ilustrată a României. Pteridophyta et Spermatophyta*. Editura Ceres, București, 2009.
 8. Ciulei S., Grigorescu E., Stănescu U. *Plante medicinale. Fitochimie și Fitoterapie, I-II*. Editura Medicală, București, 1993.
 9. Crăciun F., Bojor O., Alexan M. *Farmacologia naturii, I-II*. Editura Ceres, București, 1976-1977.
 10. Dihoru G., Negrean G. *Cartea roșie a plantelor vasculare din România*. Editura Academiei Române, București, 2009.
 11. Dihoru G., Boruz V. *The list of main spontaneous medicinal plants from Romania*. Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series, 2014, XLIV: 328-344.
 12. Ellenberg H. *Indicator values of plants in Central Europe*. Scripta Geobotanica, 1992, 1-258.
 13. Enescu V., Cherecheș D., Bândiu C. *Conservarea biodiversității și a resurselor genetice forestiere*, Editura Agro-Silvică, București, 1997.
 14. Hurdu B.I., Coste A., Halmagyi A., Szatmari P.M., Farkas A., Pușcaș M., Turtureanu P.D., Roșca-Casian O., Tanase C., Oprea I., Mardari M., Raduțoiu D., Comanescu P.C., Sîrbu I.M., Stoie A., Lupoae P., Cristea V., Jarda L., Holobiuc I., Goia I., Cătană C., Butiuc-Keu A. *Ex situ conservation of plant diversity in Romania: A synthesis of threatened and endemic taxa*. Journal for Nature Conservation, 2022, 68.
 15. Ionescu-Călinești L. *Cosmetică naturală* în Mencinicopschi G., Bojor O., Ionescu-Călinești L. *Compendiu de terapie naturistă*. Editura Medicală, București, 2009.
 16. Khare C.P. *Indian Medicinal Plants*. Springer, 2007.
 17. Kovacs A. *Indicatorii biologici, ecologici și economici ai florei pajiștilor*. Ministerul Agriculturii și Industriei Alimentare, Redacția de propagandă tehnică agricolă, 1979.
 18. Marian, S.F. *Botanică Poporană Română, vol I*. Editura Mușatinii Suceava, vol II-III Editura Academiei Române, București, 2008-2010.
 19. Agenția Națională a Medicamentului. *Farmacopeea Română, ediția a X-a*. Editura Medicală, București, 2021.
 20. Olteanu M. et al. *Lista roșie a plantelor spontane din România. Studii, sinteze, documentare de ecologie*. Editura Academiei Române, București, 1994.
 21. Pârnu C., Pârnu A.Ș. *Enciclopedia plantelor medicinale din Flora României*. Editura ASAB, București, 2016.
 22. Pârnu C., *Enciclopedia plantelor, I-IV*. Editura Tehnică, București, 2000-2004.
 23. Piteră F. *Compendiu de gemoterapie clinică, Ediția a-III-a*. Editura Simile, Constanța, 2001.
 24. Pop I. *Plante spontane și subspontane cu valoare economică din Flora R. S. România*. Contrib. Bot, Cluj Napoca, 1982, 131-142.
 25. Pop M., Pop O. *Valoarea medicinală a plantelor tinctoriale și vopsitul ecologic*. Editura Universității de Nord, Baia Mare, 2007.
 26. Preda M. *Dicționar dendrofloricol*. Editura Științifică și Enciclopedică, București, 1989.
 27. Pușcaru-Soroceanu E., Pușcaru D., Buia A., Burduja C., Csűrös Ș., Grăncianu A., Nièdermayer K., Popescu P., Răvăruf M., Resmeriță I., Samoilă Z., Vasiu V., Vele C. *Pășunile și fânețele din R.P.România*, București, 1963.
 28. Săvulescu T. (ed.). *Flora R.P.R.-R.S.România, I-XIII*. Editura Academiei Române, București, 1952-1976.
 29. Sârbu I., Ștefan N., Oprea A. *Plante vasculare din România*. Editura Victor B. Victor, București, 2013.
 30. Scarlat M.A., Tohăneanu M. *Tratat de fitomedicină, I-II*. Editura Karta-Graphic, Ploiești, 2019.
 31. Soescu S., Nișu S., Ponoran C., Olah N. *Gemoterapia de la A la Z*. Editura Eikon, Cluj Napoca, 2008.
 32. Stănescu V. *Dendrologie*. Editura Didactică și Pedagogică, București, 1979.
 33. Tomescu A., Șesan T.E. *Lumea cunoscută și mai puțin cunoscută a plantelor. Familia Fabaceae (Leguminosae)*. Editura Universității din București, 2010.
 34. Zanoschi V., Turenschi E., Toma M. *Plante toxice din România*. Editura Ceres, București, 1981.
- Web sources:
35. Plants for a Future 2012-2022. Available at <https://pfaf.org/user>.
 36. <https://www.iucnredlist.org/species/42546/117052436>