Supplementary material 1

Table 2. Plants used in the traditional medicine and/or phytotherapy from some representative plant communities in the Niraj Valley

	Taxa in alphabetical order/ Sozological categories [a]	**Dominant active principles**	**Drugs / Presence in the Pharmacopoeia** [b]	**Harvesting period**
1.	*Acer campestre* ssp. *campestre*	Tannins	Cortex, folium	V-IX
2.	*Acer platanoides*	Tannins	Cortex	II-IV
3.	*Achillea millefolium* ssp. *millefolium*	Essential oils	Millefolii flos, Millefolii herba **Eur. Ph., Rom. Ph.**	VI-IX
4.	*Achillea millefolium* var. *collina*	Essential oils	Millefolii flos, Millefolii herba	VI-IX
5.	*Achillea ptarmica* **RL, Oltean et al.**	Essential oils	Flos	-
6.	*Achillea setacea*	Essential oils	Flos	VI-IX
7.	*Adonis aestivalis*	Cardiotonic glycosides	Adonidis herba	IV-VI
8.	*Agrimonia eupatoria* ssp. *eupatoria*	Tannins	Agrimoniae herba **Eur. Ph.**	VI-VIII
9.	*Ajuga reptans*	Iridoids	Ajugae herba, folium, flos	IV-VI
10.	*Alliaria petiolata*	Compuși sulfurați	Alliariae herba	IV-VI
11.	*Alnus glutinosa*	Tannins	Alni cortex, Alni folium, Alni gemma	III-IV, IV-V
12.	*Anagallis arvensis*	Saponins	Anagallidis herba	V-IX
13.	*Anthriscus sylvestris*	Flavonoids	Herba, fructus	V-VII
14.	*Anthyllis vulneraria* ssp. *vulneraria*	Tannins	Anthyllis herba, flos	V-VIII
15.	*Arctium lappa*	Homoglycans	Bardanae radix	II-III, X-XI
16.	*Artemisia vulgaris*	Bitter-aromatic principles	Artemisiae vulgaris herba	VI-VIII
17.	*Arum maculatum*	Saponins	Rhizoma	III-IV, IX-XI
18.	*Asarum europaeum*	Essential oils	Asari rhizoma	IV-V, VIII-IX
19.	*Asparagus officinalis*	Proteins, lipids, carbon hydrates	Asparagi rhizoma et radix	I-XII
20.	*Atropa bella-donna*	Alkaloids	Belladonnae folium et radix **Eur. Ph., Rom. Ph.**	V-VII, IX-XI
21.	*Ballota nigra*	Bitter principles	Ballotae nigrae herba **Eur. Ph.**	VIII

22.	*Brassica nigra*	Senevolic glycosides	Sinapis nigrae semen **Rom. Ph.**	VII-VIII
23.	*Bupleurum falcatum* ssp. *falcatum*	Saponins	Radix **Eur. Ph.**	IX-XI
24.	*Calluna vulgaris*	Phenolic glycosides	Callunae herba	VI-IX
25.	*Calystegia sepium*	Glicorezine	Herba	VI-IX
26.	*Capsella bursa-pastoris*	Flavonoids	Bursae pastoris herba	V-VIII
27.	*Cardamine bulbifera*	Bitter principles	Rhizoma	IX-XI
28.	*Cardamine pratensis*	Organic acids, vitamins and provitamins	Folium	IV-VII
29.	*Carlina acaulis* ssp. *acaulis*	Flavonoids	Carlinae radix	VIII-IX
30.	*Centaurea jacea* ssp. *jacea*	Anthocyanins	Flos	VI-IX
31.	*Centaurium erythraea* ssp. *erythraea*	Bitter principles	Centaurii herba **Eur. Ph.**	VI-VII
32.	*Chelidonium majus*	Alkaloids	Cheledonii herba, Chelidonii radix **Eur. Ph., Rom. Ph.**	IV-V, III-IV
33.	*Cichorium intybus*	Depside	Cichorii radix et herba **Eur. Ph.**	II-III, X-XI, VI-VIII
34.	*Clematis vitalba*	Alkaloids	Folium	VI-IX
35.	*Colchicum autumnale*	Alkaloids	Colchici bulbus et semen **Rom. Ph.**	IX-X, VI
36.	*Conium maculatum*	Alkaloids	Conii fructus et herba	VI-VII
37.	*Convallaria majalis*	Cardiotonic glycosides	Convallariae herba	V-VI
38.	*Convolvulus arvensis*	Glycoresins	Convolvuli herba	IV-IX
39.	*Cornus sanguinea*	Tannins	Cortex	III-IV
40.	*Coronilla varia*	Alkaloids	Herba, Semen	VI-IX
41.	*Corydalis cava*	Alkaloids	Tuber	V-XI
42.	*Corylus avellana*	Tannins	Coryli folium	VI-VIII
43.	*Crataegus monogyna*	Flavonoids	Crataegi folium cum flos, Crataegi fructus **Eur. Ph., Rom. Ph.**	V-VI, VII-VIII
44.	*Cruciata laevipes*	Coumarins	Herba	IV-V
45.	*Daucus carota* ssp. *carota*	Organic acids, vitamins and provitamins	Radix	IX-XI
46.	*Digitalis grandiflora*	Cardiotonic glycosides	Folium	V-VI
47.	*Dryopteris filix-mas*	Floroglucine	Filicis maris rhizoma	IX-XI, III-IV
48.	*Echium vulgare*	Alkaloids	Echii herba	VI-VIII

49.	*Elymus repens* ssp. *repens*	Homoglycans	Graminis rhizoma **Eur. Ph.**	III-X
50.	*Epilobium hirsutum*	Tannins	Epilobi hirsuti herba	VI-VIII
51.	*Epilobium montanum*	Tannins	Epilobi montani herba	VI-IX
52.	*Equisetum arvense*	Saponins	Equiseti herba **Eur. Ph., Rom. Ph.**	V-VII
53.	*Erigeron acris* ssp. *acris*	Tannins	Summitates	V-X
54.	*Erigeron annuus* ssp. *annuus*	Tannins	Summitates	VII-VIII
55.	*Eryngium campestre*	Saponins	Eryngii campestris rhizoma	III-IV, X-XI
56.	*Eryngium planum*	Saponins	Eryngii plani herba	VII-VIII
57.	*Euonymus europaeus*	Cardiotonic glycosides	Euonymi cortex	IX-XI
58.	*Euonymus verrucosus*	Cardiotonic glycosides	Cortex	IX-XI
59.	*Eupatorium cannabinum*	Flavonoids	Eupatorii cannabini rhizoma, radix et folium	VII-VIII
60.	*Euphorbia cyparissias*	Resins	Radix	IX-XI
61.	*Euphorbia salicifolia*	Organic acids, vitamins and provitamins	Flos	V-VI
62.	*Euphrasia rostkoviana* ssp. *rostkoviana*	Iridoids	Euphrasiae herba	VI-IX
63.	*Fagus sylvatica*	Tannins	Creosotum	IV-V
64.	*Filipendula ulmaria*	Phenolic glycosides	Ulmariae herba **Eur. Ph.**	VI-VIII
65.	*Filipendula vulgaris*	Flavonoids	Filipendulae flos, Filipendulae herba cum radicibus, Filipendulae radix	V-VII, VIII-IX
66.	*Fragaria vesca*	Tannins	Fragariae folium	V-IX
67.	*Fragaria viridis* ssp. *viridis*	Tannins	Folium	V-IX
68.	*Frangula alnus*	Anthraquinone derivatives	Frangulae cortex **Eur. Ph., Rom. Ph.**	II-IV
69.	*Fraxinus excelsior*	Coumarins	Fraxini folium **Eur. Ph.**	VI-IX
70.	*Galeobdolon luteum*	Iridoids	Herba	IV-V
71.	*Galium aparine*	Coumarins	Galii herba	V-IX
72.	*Galium mollugo*	Coumarins	Herba	VI-IX
73.	*Galium odoratum*	Coumarins	Asperulae herba	IV-VI
74.	*Galium verum*	Coumarins	Galii veri herba	V-IX
75.	*Genista sagittalis*	Alkaloids	Herba	VI-VII
76.	*Genista tinctoria* ssp. *tinctoria*	Alkaloids	Genistae tinctoriae herba	VI-VIII
77.	*Geranium phaeum*	Tannins	Herba	V-VI
78.	*Geranium robertianum*	Tannins	Geranii robertiani herba	VI-VIII

79.	*Geum urbanum*	Tannins	Gei rhizoma	III-IV, IX-X
80.	*Glechoma hederacea*	Bitter principles	Hederae terestris herba	IV-VI
81.	*Hedera helix*	Saponins	Hederae helicis folium **Eur. Ph.**	I-XII
82.	*Helianthemum nummularium* ssp. *nummularium*	Tannins	Folium	V-VII
83.	*Helleborus purpurascens*	Cardiotonic glycosides	Hellebori radix et rhizoma	III-IV, VIII-X
84.	*Heracleum sphondylium*	Coumarins	Heraclei sphondylii radix, Heraclei sphondylii herba	VI-IX, IX-XI
85.	*Humulus lupulus*	Resins	Lupuli strobuli, Lupuli glandulae **Eur. Ph.**	VIII-IX
86.	*Hypericum perforatum*	Naftodiantrone	Hyperici herba **Eur. Ph., Rom. Ph.**	VI-VIII
87.	*Iris pseudacorus*	Essential oils	Iridis pseudacori rhizoma	VIII-IX
88.	*Iris sibirica* **RL, Dihoru and Dihoru**	Essential oils	Rhizoma	-
89.	*Juglans regia*	Tannins	Juglandis folium, Juglandis pericarpium, Juglandis cortex	VI-VII, IX
90.	*Lamium album*	Iridoids	Lamii albi flos, Lamii albi herba	IV-VIII
91.	*Lamium purpureum*	Tannins	Lamii purpureumi herba	III-IX
92.	*Leucojum vernum*	Alkaloids	Bulbus	IV-XI
93.	*Linaria vulgaris*	Flavonoids	Linariae herba	VI-IX
94.	*Linum austriacum*	Mucilages	Semen	VI-VIII
95.	*Linum catharticum*	Mucilages	Semen	VI-VIII
96.	*Linum flavum*	Mucilages	Semen	VI-VIII
97.	*Linum hirsutum*	Mucilages	Semen	VI-VIII
98.	*Lotus corniculatus*	Anthocyanins	Flos	V-IX
99.	*Lysimachia nummularia*	Tannins	Lysimachiae herba	V-VII
100.	*Lysimachia vulgaris*	Tannins	Herba	VI-VII
101.	*Lythrum salicaria*	Tannins	Salicariae herba **Eur. Ph.**	VI-VIII
102.	*Malus sylvestris*	Tannins	Malusi sylvestrisi fructus **Eur. Ph.**	IX-X
103.	*Malva sylvestris* ssp. *sylvestris*	Mucilages	Malvae flos et folium	VI-VII
104.	*Medicago falcata*	Coumarins	Herba	V-X
105.	*Melilotus officinalis*	Coumarins	Meliloti herba, flos **Eur. Ph.**	VI-VIII
106.	*Mentha aquatica*	Essential	Menthae aquaticae	VI-VIII

		oils	folium	
107.	*Mentha arvensis* spp. *arvensis*	Essential oils	Folium	VI-VIII
108.	*Mentha longifolia* ssp. *longifolia*	Essential oils	Folium	VI-VIII
109.	*Mentha pulegium*	Essential oils	Menthae pulegii herba	VI-VIII
110.	*Mercurialis perennis*	Saponins	Herba	IV-VI
111.	*Mycelis muralis*	Iridoids	Myceli herba	VI-VIII
112.	*Narcissus poeticus* ssp. *radiiflorus* **BC**	Alkaloids	Bulbus	-
113.	*Nepeta nuda* ssp. *nuda*	Essential oils	Semen	VII-VIII
114.	*Oenanthe aquatica*	Essential oils	Fructus	VII-VIII
115.	*Ononis arvensis* ssp. *arvensis*	Saponins	Radix	III-IV, X-XI
116.	*Orchis laxiflora* ssp. *elegans* **RL, Oltean et al.**	Mucilages	Tuber	-
117.	*Orchis militaris* **RL, Oltean et al.**	Mucilages	Tuber	-
118.	*Orchis morio* **RL, Oltean et al.**	Mucilages	Salep tuber	-
119.	*Origanum vulgare* ssp. *vulgare*	Essential oils	Origani herba **Eur. Ph.**	VI-VIII
120.	*Papaver rhoeas*	Anthocyanins	Rhoeados flos **Eur. Ph.**	VI-VII
121.	*Pastinaca sativa* ssp. *sativa*	Coumarins	Pastinaci radix	IX-XI
122.	*Pastinaca sativa* ssp. *sylvestris*	Coumarins	Radix	IX-XI
123.	*Petasites hybridus*	Essential oils	Petasitidis rhizoma	III-IV, IX-X
124.	*Peucedanum oreoselinum*	Essential oils	Rhizoma	IX-XI
125.	*Physalis alkekengi*	Organic acids, vitamins and provitamins	Alkekengi fructus	VIII-IX
126.	*Pimpinella saxifraga* ssp. *saxifraga*	Essential oils, Coumarins	Pimpinellae radix	IV-X
127.	*Plantago lanceolata*	Mucilages	Plantaginis folium **Eur. Ph.**	V-X
128.	*Plantago major*	Mucilages	Folium	V-X
129.	*Plantago media*	Mucilages	Folium	V-X
130.	*Polygala comosa*	Saponins	Herba	IV-VI
131.	*Polygala major*	Saponins	Herba	IV-VI
132.	*Polygala vulgaris*	Saponins	Polygalae radix	IX-XI
133.	*Polygonatum odoratum*	Cardiotonic	Polygonati rhizoma	IX-X

		glycosides	et radix	
134.	*Polygonum bistorta*	Tannins	Bistortae rhizoma **Eur. Ph.**	III-IV, IX-X
135.	*Polygonum hydropiper*	Flavonoids	Polygoni hydropiperis herba	VII-IX
136.	*Populus alba*	Phenolic glycosides	Gemma	II-III
137.	*Populus nigra*	Phenolic glycosides	Populi gemma	II-III
138.	*Populus tremula*	Phenolic glycosides	Populi cortex	II-IV
139.	*Potentilla argentea* ssp. *argentea*	Tannins	Rhizoma	IX-X
140.	*Potentilla erecta*	Tannins	Tormentillae rhizoma **Eur. Ph.**	IX-X
141.	*Potentilla recta* ssp. *recta*	Tannins	Rhizoma	IX-X
142.	*Potentilla reptans*	Tannins	Rhizoma	IX-X
143.	*Primula veris* ssp. *veris*	Saponins	Primulae rhizoma cum radicibus **Eur. Ph., Rom. Ph.**	IV-V, IX-X
144.	*Prunella vulgaris*	Tannins	Prunellae herba	VI-VIII
145.	*Prunus avium*	Flavonoids	Cerasorum stipites	VI-VI
146.	*Prunus spinosa*	Tannins	Pruni spinosae flos et fructus	IV-V, X-XI
147.	*Prunus tenella* **RL, Oltean et al.**	Cyanogenic glycosides	Folium, semen	-
148.	*Pulicaria dysenterica*	Flavonoids	Herba	VII-IX
149.	*Pulmonaria officinalis*	Saponins	Pulmonariae folium	III-IV
150.	*Pyrus pyraster*	Phenolic glycosides	Folium	IV-V
151.	*Quercus petraea*	Tannins	Cortex	III-IV
152.	*Quercus robur*	Tannins	Quercus cortex **Eur. Ph.**	III-IV
153.	*Ranunculus ficaria*	Saponins	Ficariae radix, Ficariae folium	III, IX-X
154.	*Robinia pseudoacacia*	Flavonoids	Acaciae flos	V-VI
155.	*Rosa canina*	Organic acids, vitamins and provitamins	Cynosbati fructus **Eur. Ph.**	IX-X
156.	*Rosa gallica*	Anthocyanins	Rosae petalum	V-VI
157.	*Rubus caesius*	Organic acids, vitamins and provitamins	Folium	V-IX
158.	*Rubus idaeus*	Organic acids, vitamins and provitamins	Rubi ideae folium	V-VII
159.	*Rumex acetosa*	Anthraquinone derivatives	Rhizoma	III-V, IX-X
160.	*Rumex acetosella*	Anthraquinone	Rhizoma	III-V,

	ssp. *acetosella*	derivatives		IX-X
161.	*Rumex crispus*	Anthraquinone derivatives	Rhizoma	III-V, IX-X
162.	*Salix alba*	Tannins, Phenolic glycosides	Salicis cortex **Eur. Ph.**	II-VI
163.	*Salix caprea*	Tannins, Phenolic glycosides	Cortex	II-VI
164.	*Salix cinerea*	Tannins, Phenolic glycosides	Cortex	II-VI
165.	*Salix fragilis*	Tannins, Phenolic glycosides	Cortex	II-VI
166.	*Salix purpurea* ssp. *lambertiana*	Tannins	Cortex	II-VI
167.	*Sambucus nigra*	Flavonoids	Sambuci flos **Eur. Ph.**	VI-VII
168.	*Sanguisorba officinalis*	Tannins	Sanguisorbae herba **Eur. Ph.**	V-VIII
169.	*Sanicula europaea*	Saponins	Saniculae europaeae rhizoma, herba	V-VII, IX-XI
170.	*Saponaria officinalis*	Saponins	Saponariae rubrae radix	VIII-IX
171.	*Scabiosa ochroleuca*	Flavonoids	Herba	VI-VIII
172.	*Scrophularia nodosa*	Iridoids	Herba	VI-VIII
173.	*Scrophularia scopolii*	Iridoids	Herba	V-VIII
174.	*Senecio jacobea*	Flavonoids	Herba	VII-VIII
175.	*Solanum dulcamara*	Alkaloids	Dulcamarae stipes	VI-VII, IX-X
176.	*Solidago virgaurea* ssp. *virgaurea*	Saponins	Solidaginis summitates **Eur. Ph.**	VII-IX
177.	*Stachys germanica*	Iridoids	Herba	VI-VIII
178.	*Stachys officinalis*	Iridoids	Stachysi herba	VI-VIII
179.	*Stellaria media*	Saponins	Herba	III-X
180.	*Symphytum officinale*	Allantoin	Symphyti radix et folium	III-IV, X
181.	*Tanacetum corymbosum*	Bitter-aromatic principles	Flos	VI-VIII
182.	*Tanacetum vulgare*	Bitter-aromatic principles	Tanaceti flos	VII-IX
183.	*Taraxacum officinale*	Bitter principles	Taraxaci radix, Taraxaci herba **Eur. Ph.**	X-XI, III-IX
184.	*Teucrium chamaedrys*	Bitter-aromatic principles	Chamaedryos herba	VI-IX
185.	*Thalictrum minus*	Alkaloids	Herba	V-VIII
186.	*Thymus glabrescens*	Essential oils	Herba	V-VIII

187.	*Thymus pannonicus* ssp. *pannonicus*	Essential oils	Herba	V-VIII
188.	*Thymus pulegioides* ssp. *pulegioides*	Essential oils	Herba	V-VIII
189.	*Tilia cordata*	Essential oils	Tiliae flos **Eur. Ph., Rom. Ph.**	VI-VII
190.	*Trifolium campestre*	Flavonoids	Herba	V-IX
191.	*Trifolium pratense*	Flavonoids	Trifolii rubi flos	V-IX
192.	*Trifolium repens*	Flavonoids	Trifolii albi herba	V-X
193.	*Tussilago farfara*	Mucilages	Farfarae folium, Farfarae flos	IV-VI, II-IV
194.	*Urtica dioica*	Organic acids, vitamins and provitamins	Urticae folium et radix **Eur. Ph.**	V-IX, III-V, IX-X
195.	*Valeriana officinalis*	Essential oils	Valerianae rhizoma et radix **Eur. Ph., Rom. Ph.**	X-XI
196.	*Veratrum album*	Alkaloids	Veratri rhizoma	IX-X
197.	*Verbascum nigrum*	Mucilages	Flos	VI-VIII
198.	*Verbascum phoeniceum*	Mucilages	Flos	V-VII
199.	*Veronica chamaedrys* ssp. *chamaedrys*	Flavonoids	Herba	IV-VIII
200.	*Veronica officinalis*	Flavonoids	Veronicae herba	VI-VIII
201.	*Veronica orchidea*	Flavonoids	Herba	VI-IX
202.	*Veronica spicata* ssp. *spicata*	Flavonoids	Herba	VI-IX
203.	*Veronica teucrium* ssp. *teucrium*	Flavonoids	Herba	V-VII
204.	*Viburnum opulus*	Phenolic glycosides	Viburni cortex	III-IV, IX-X
205.	*Vinca minor*	Alkaloids	Vincae minoris herba **Rom. Ph.**	V-VI
206.	*Vincetoxicum hirundinaria* ssp. *hirundinaria*	Flavonoids	Radix	V-VIII
207.	*Viola odorata*	Saponins	Violae odoratae radix	II-III, IX-X
208.	*Viola tricolor*	Saponins	Violae tricoloris herba **Eur. Ph.**	V-VIII

Note: a - Sozological categories: **BC** - Species included in the Bern Convention; **RL Oltean et al.** - Species on the Red List of Superior Plants from Romania: Oltean M, Negrean G, Popescu A, Roman N, Dihoru GH, Sanda V, Mihăilescu S (1994) Lista roşie a plantelor superioare din România-Studii, sinteze, documentaţii de ecologie, Ed. Acad. Română, Inst. de Biol., București; **RL Dihoru and Dihoru** - Species on the Red List: Dihoru G, Dihoru A (1994) Plante rare, periclitate și endemice în Flora României-Lista Roșie. Acta Bot Horti bucurest 1993-1994:173–197; b - Pharmacopoeia: **Eur. Ph.** - European Pharmacopoeia Online 9.3 http://online6.edqm.eu/ep903/. Accessed 16 June 2018; **Rom. Ph.** - Farmacopeea Română (1993) Ed. a X-a, Ed. Medicală, București.