

서울대학교 약학대학 약초원의 365종 약용식물 조사 연구

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Study on 365 Medicinal Plants of Medicinal Herb Garden, College of Pharmacy, Seoul National University in Korea

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Abstract

From the Medicinal Herb Garden, College of Pharmacy, Seoul National University in Korea, medicinal plants were studied. 365 species in 89 families of plants were investigated by taking photos. Among this botanical garden, the most dominant family was Compositae with 42 species, followed by Rosaceae with 29 species, Apiaceae with 27 species, Lamiaceae with 18 species, and Ranunculaceae 16 species. And there are others as well in the following order; Asparagaceae, Polygonaceae, Leguminosae, Caprifoliaceae, Caryophyllaceae, Papaveraceae, Rutaceae.

Keywords: Korea, medicinal plant, medicinal herb garden, Seoul National University, botanical garden, compositae

서론

서울대학교 약학대학 약초원은 서울대학교 약학대학 생약학전공과 협력하여 우리나라에 서식하는 약용식물 및 희귀식물을 교육 및 연구 목적에 따라 수집, 분류하고, 약용식물 유래의 신약 및 기능성 신소재 개발과 식물기능 유전체의 연구 기반을 확보하기 위하여 설립되었다. 약용식물자원의 교육 및 연구를 위한 핵심 기반시설로 조성된 동 대학 약초원은 1995년 경기도 고양시 설문동에 약초원 조성을 개시하여 현재 국내 최고 수준의 약초원이 되었다. 이 약초원은 약용식물 표본이 잘 정리되어

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Received 2019-03-21, revised 2019-04-03, accepted 2019-04-10, available online 2019-04-12
doi:10.22674/KHMI-7-1-3



있는 표본단지를 비롯하여 자연생육단지, 재배단지, 습지원, 수생포, 과수원, 음지식물원, 1년초 화원, 덩굴표본단지 등으로 구성되어 있으며 유리온실과 남부약용식물 재배온실도 갖추어져 있다^{1,2)}. 이곳 약초원의 면적은 35,279 m²이다. 서울대 약대는 고양 지역 외에 파주와 시흥 지역에도 약초원을 소유하고 있다³⁾. 약초원 방문은 일반인들도 가능하다. 견학신청서를 온라인이나 팩스로 신청하면 4월부터 10월 사이의 매주 금요일 오전 10시부터 오후 5시까지 견학이 가능하다. 저자는 고양시에 위치한 동 대학의 약초원을 3년 6개월동안 19회 찾아서 이곳에서 자라는 약용식물 89 과(科) 365 종을 촬영한 후 이들 학명을 과명의 알파벳 순서로 정리했다. 본 논문은 한국 최고의 약초원인 이곳서 자생하는 약용식물의 학명을 제공하므로써 한국 약용자원식물 연구의 기초자료가 되고자 한다.

본론

1. 조사 방법

저자는 경기도 고양시 소재의 서울대 약대 약초원을 2015년 4월부터 2018년 10월까지 19차례 방문하여 이곳에서 재배 중인 약용식물 대부분을 사진으로 기록했다. 본 논문에 기재한 식물은 약초원의 표지판에 있는 365 종의 학명을 기본으로 하고 다시 the Plant List⁴⁾, the International Plant Names Index⁵⁾, 국가생물종지식정보⁶⁾를 통해 이들 학명 중 현재 이명으로 처리 되어 있는 것은 정명으로 대체하였다. 촬영한 식물 사진은 증거사진으로서 저자의 연구실에 보관 중이다. 조사한 서울대 약대 약초원의 정보는 Table 1 과 같다.

Table 1. Information on Medicinal Herb Garden, College of Pharmacy, Seoul National University in Korea

Location	53, Munwon-gil, Ilsandong-gu, Goyang-si, Gyeonggi-do 10257 Rep. of Korea
Area	35,279m ²
Created	1954
Tel.	+ 82-31-977-1521
Website	http://www.snuherb.ac.kr/

2. 결과 및 고찰

서울대 약대 약초원에서 촬영한 89 과 365 종의 약용식물 학명을 정리하여 분석했다. 촬영한 식물을 과 별로 분류하면 국화과(Asteraceae, Compositae) 42 종, 장미과(Rosaceae) 29 종, 산형과(Apiaceae, Umbelliferae) 27 종, 꿀풀과(Lamiaceae, Labiatae) 18 종, 미나리아재비과(Ranunculaceae) 16 종, 아스파라거스과(Asparagaceae) 13 종, 마디풀과(Polygonaceae) 12 종, 콩과(Fabaceae, Leguminosae) 9 종, 인동과(Caprifoliaceae) 8 종, 석죽과(Caryophyllaceae) 7 종, 양귀비과(Papaveraceae) 7 종, 운향과(Rutaceae) 7 종의 순으로 약초원에서 재배되고 있다. 가장 많이 재배 중인 국화과 식물은 *Achillea alpina* L. var. *alpina*, *Arctium lappa* L., *Artemisia gmelinii* Weber ex Stechm., *Artemisia keiskeana* Miq., *Artemisia princeps* Pamp., *Artemisia vulgaris* L., *Aster ageratoides* Turcz., *Aster glehnii* F.Schmidt, *Aster hayatae* H.Lév. & Vaniot, *Aster iinumae* Kitam. ex Hara, *Aster spathulifolius* Maxim., *Aster tataricus* L.f., *Aster yomena* Makino, *Atractylodes japonica* Koidz. ex Kitam. 등이다.



다음으로 많이 분포하는 장미과 식물은 *Agrimonia pilosa* Ledeb., *Aruncus dioicus* (Walter) Fernald var. *dioicus*, *Aruncus dioicus* var. *aethusifolius* (H.Lév.) H.Hara, *Chaenomeles japonica* (Thunb.) Lindl. ex Spach, *Chaenomeles speciosa* (Sweet) Nakai, *Crataegus pinnatifida* Bunge, *Crataegus scabrada* Sarg., *Duchesnea indica* (Jacks.) Focke 등이다. 27 종을 차지하는 산형과 식물은 *Angelica amurensis* Schischk., *Angelica cartilaginomarginata* (Makino ex Y.Yabe) Nakai, *Angelica dahurica* (Hoffm.) Benth. & Hook.f. ex Franch. & Sav., *Angelica decursiva* (Miq.) Franch. & Sav., *Angelica gigas* Nakai, *Angelica grosseserrata* Maxim., *Angelica japonica* A.Gray, *Angelica tenuissima* Nakai, *Anthriscus sylvestris* (L.) Hoffm. 등이다. 18 종이 분포하는 꿀풀과 식물은 *Agastache rugosa* (Fisch. & C.A.Mey.) Kuntze, *Caryopteris incana* (Thunb. ex Houtt.) Miq., *Clinopodium chinense* var. *parviflorum* (Kudô) H.Hara, *Clinopodium micranthum* (Regel) H.Hara, *Dracocephalum argu-nense* Fisch. ex Link, *Elsholtzia ciliata* (Thunb.) Hyl., *Isodon inflexus* (Thunb.) Kudô, *Isodon japonicus* (Burm.f.) H.Hara 등이다.



Fig. 1. Some medicinal plants of Medicinal Herb Garden, College of Pharmacy, Seoul National University in Korea

① *Angelica decursiva* (Miq.) Franch. & Sav., ② *Cynanchum wilfordii* (Maxim.) Hemsl., ③ *Gypsophila oldhamiana* Miq., ④ *Peucedanum japonicum* Thunb., ⑤ *Scutellaria barbata* D.Don, ⑥ *Veronicastrum sibiricum* (L.) Pennell

사진 촬영한 식물을 속(屬) 별로 분석하면 당귀속(*Angelica*) 식물은 10 종이 자라고 있으며 다음과 같다. *Angelica acutiloba* (Siebold & Zucc.) Kitag., *Angelica amurensis* Schischk., *Angelica anomala* Avé-Lall., *Angelica cartilaginomarginata* (Makino ex Y.Yabe) Nakai, *Angelica dahurica* (Hoffm.) Benth. & Hook.f. ex Franch. & Sav., *Angelica decursiva* (Miq.) Franch. & Sav., *Angelica gigas* Nakai, *Angelica grosseserrata* Maxim., *Angelica japonica* A.Gray, *Angelica tenuissima* Nakai 이다. 참취속(*Aster*) 식물은 *Aster ageratoides* Turcz., *Aster glehnii* F.Schmidt, *Aster hayatae* H.Lév. & Vaniot, *Aster iinumae* Kitam. ex Hara, *Aster spathulifolius* Maxim., *Aster tataricus* L.f., *Aster yomena* Makino 의 7 종이다. 부추속(*Allium*)과 원추리속(*Hemerocallis*) 식물은 각 6 종이 자라고 있다. 부추속 식물은 *Allium monanthum* Maxim., *Allium senescens* L., *Allium taquetii* H.Lév.

& Vaniot, *Allium thunbergii* G.Don, *Allium tuberosum* Rottler ex Spreng., *Allium victorialis* L.이다. 원추리속 식물은 *Hemerocallis citrina* Baroni, *Hemerocallis dumortieri* E.Morren, *Hemerocallis fulva* (L.) L., *Hemerocallis fulva* f. *kwanso* (Regel) Kitam., *Hemerocallis minor* Mill., *Hemerocallis thunbergii* Barr 이다. 기름당귀속(*Ligusticum*) 식물은 *Ligusticum officinale* (Makino) Kitag., *Ligusticum striatum* DC., *Ligusticum tenuissimum* (Nakai) Kitag., *Ligustrum japonicum* Thunb., *Ligustrum obtusifolium* Siebold & Zucc. 5 종이 서울대 약초원에 분포하고 있다. (Fig. 1, Table 2).

Table 2. The plant list of Medicinal Herb Garden, College of Pharmacy, Seoul National University in Korea

Family name	Scientific name	Synonym written on the name tag in the botanical garden
Acoraceae	<i>Acorus gramineus</i> Aiton	
Adoxaceae	<i>Viburnum carlesii</i> Hemsl.	
	<i>Viburnum sargentii</i> Koehne	
Amaryllidaceae	<i>Allium monanthum</i> Maxim.	
	<i>Allium senescens</i> L.	
	<i>Allium taquetii</i> H.Lév. & Vaniot	
	<i>Allium thunbergii</i> G.Don	
	<i>Allium tuberosum</i> Rottler ex Spreng.	
	<i>Allium victorialis</i> L.	
Apiaceae	<i>Angelica acutiloba</i> (Siebold & Zucc.) Kitag.	
	<i>Angelica amurensis</i> Schischk.	
	<i>Angelica anomala</i> Avé-Lall.	<i>Angelica jaluana</i> Nakai
	<i>Angelica cartilaginomarginata</i> (Makino ex Y.Yabe) Nakai	
	<i>Angelica dahurica</i> (Hoffm.) Benth. & Hook.f. ex Franch. & Sav.	
	<i>Angelica decursiva</i> (Miq.) Franch. & Sav.	
	<i>Angelica gigas</i> Nakai	
	<i>Angelica grosseserrata</i> Maxim.	<i>Angelica koreana</i> Maxim.
	<i>Angelica japonica</i> A.Gray	
	<i>Angelica tenuissima</i> Nakai	
	<i>Anthriscus sylvestris</i> (L.) Hoffm.	
	<i>Bupleurum latissimum</i> Nakai	
	<i>Bupleurum scorzonerifolium</i> Willd.	<i>Bupleurum falcatum</i> var. <i>scorzonerifolium</i> (Willd.) Ledeb.
	<i>Cryptotaenia japonica</i> Hassk.	
	<i>Dystaenia takesimana</i> (Nakai) Kitag.	
	<i>Foeniculum vulgare</i> Mill.	
<i>Heracleum moellendorffii</i> Hance		
<i>Ligusticum officinale</i> (Makino) Kitag.	<i>Cnidium officinale</i> Makino	



Family name	Scientific name	Synonym written on the name tag in the botanical garden
	<i>Ligusticum striatum</i> DC.	<i>Ligusticum chuanxiong</i> S.H.Qiu, Y.Q.Zeng, K.Y.Pan, Y.C.Tang & J.M.Xu
	<i>Ligusticum tenuissimum</i> (Nakai) Kitag.	
	<i>Ostericum sieboldii</i> (Miq.) Nakai	
	<i>Ostericum sieboldii</i> var. <i>praeteritum</i> (Kitag.) Y. Huei Huang	<i>Ostericum praeteritum</i> Kitag.
	<i>Peucedanum japonicum</i> Thunb.	
	<i>Peucedanum terebinthaceum</i> (Fisch. ex Trevir.) Ledeb.	
	<i>Saposhnikovia divaricata</i> (Turcz.) Schischk.	<i>Ledebouriella seseloides</i> (Hoffm.) H.Wolff
	<i>Sium suave</i> Walter	
	<i>Torilis japonica</i> (Houtt.) DC.	
Apocynaceae	<i>Amsonia elliptica</i> (Thunb.) Roem. & Schult.	
	<i>Cynanchum ascyrifolium</i> (Franch. & Sav.) Matsum.	
	<i>Cynanchum paniculatum</i> (Bunge) Kitag. ex H.Hara	
	<i>Cynanchum wilfordii</i> (Maxim.) Hemsl.	
	<i>Metaplexis japonica</i> (Thunb.) Makino	
Araceae	<i>Arisaema amurense</i> Maxim.	<i>Arisaema amurense</i> var. <i>serratum</i> Nakai
	<i>Arisaema ringens</i> (Thunb.) Schott	<i>Ringentiarum ringens</i> (Thunb.) Nakai
	<i>Pinellia ternata</i> (Thunb.) Makino	
	<i>Symplocarpus renifolius</i> Schott ex Tzvelev	
Araliaceae	<i>Aralia continentalis</i> Kitag.	<i>Aralia cordata</i> var. <i>continentalis</i> (Kitag.) Y.C.Zhu
	<i>Eleutherococcus nodiflorus</i> (Dunn) S.Y.Hu	<i>Eleutherococcus gracilistylus</i> (W.W. Sm.) S.Y.Hu
	<i>Eleutherococcus sessiliflorus</i> (Rupr. & Maxim.) S.Y.Hu	<i>Acanthopanax sessiliflorus</i> (Rupr. & Maxim.) Seem.
	<i>Panax ginseng</i> C.A.Mey.	
	<i>Tetrapanax papyrifer</i> (Hook.) K.Koch	
Aristolochiaceae	<i>Aristolochia contorta</i> Bunge	
	<i>Aristolochia manshuriensis</i> Kom.	
	<i>Asarum sieboldii</i> Miq.	
Asparagaceae	<i>Anemarrhena asphodeloides</i> Bunge	
	<i>Asparagus schoberioides</i> Kunth	
	<i>Barnardia japonica</i> (Thunb.) Schult. & Schult.f.	<i>Scilla scilloides</i> (Lindl.) Druce
	<i>Convallaria keiskei</i> Miq.	

Family name	Scientific name	Synonym written on the name tag in the botanical garden
	<i>Hosta capitata</i> (Koidz.) Nakai	
	<i>Hosta clausa</i> Nakai	
	<i>Liriope muscari</i> (Decne.) L.H.Bailey	<i>Liriope platyphylla</i> F.T.Wang & Tang
	<i>Maianthemum bifolium</i> (L.) F.W.Schmidt	
	<i>Maianthemum japonicum</i> (A.Gray) La Frankie	<i>Smilacina japonica</i> A.Gray
	<i>Ophiopogon japonicus</i> (Thunb.) Ker Gawl.	
	<i>Polygonatum falcatum</i> A.Gray	
	<i>Polygonatum stenophyllum</i> Maxim.	
	<i>Rohdea japonica</i> (Thunb.) Roth	
Balsaminaceae	<i>Impatiens balsamina</i> L.	
Berberidaceae	<i>Berberis amurensis</i> Rupr.	
	<i>Berberis koreana</i> Palib.	
Boraginaceae	<i>Lithospermum erythrorhizon</i> Siebold & Zucc.	
	<i>Symphytum officinale</i> L.	
Campanulaceae	<i>Adenophora triphylla</i> var. <i>japonica</i> (Regel.) Hara	
	<i>Asyneuma japonicum</i> (Miq.) Briq.	<i>Phyteuma japonicum</i> Miq.
	<i>Campanula glomerata</i> L.	<i>Campanula glomerata</i> var. <i>dahurica</i> Fisch.
	<i>Campanula punctata</i> Lam.	
	<i>Hanabusaya asiatica</i> (Nakai) Nakai	
	<i>Platycodon grandiflorum</i> (Jacq.) A.DC.	
Cannabaceae	<i>Humulus lupulus</i> L.	
Caprifoliaceae	<i>Lonicera insularis</i> Nakai	
	<i>Lonicera japonica</i> Thunb.	
	<i>Lonicera maackii</i> (Rupr.) Maxim.	
	<i>Lonicera maximowiczii</i> (Rupr.) Regel	<i>Lonicera sachalinensis</i> (F. Schmidt) Nakai
	<i>Patrinia scabiosifolia</i> Link	
	<i>Scabiosa tschiliensis</i> f. <i>pinnata</i> (Nakai) W.T.Lee	
	<i>Scabiosa tschiliensis</i> Grüning	
	<i>Valeriana fauriei</i> Briq.	
Caryophyllaceae	<i>Dianthus chinensis</i> L.	
	<i>Dianthus chinensis</i> L.	<i>Dianthus sinensis</i> Link
	<i>Dianthus longicalyx</i> Miq.	<i>Dianthus superbus</i> var. <i>longicalycinus</i> (Maxim.) F.N.Williams
	<i>Dianthus superbus</i> subsp. <i>alpestris</i> Kablik. ex Čelak.	



Family name	Scientific name	Synonym written on the name tag in the botanical garden
	<i>Gypsophila oldhamiana</i> Miq.	
	<i>Saponaria officinalis</i> L.	
	<i>Silene armeria</i> L.	
	<i>Silene firma</i> Siebold & Zucc.	<i>Melandrium firmum</i> (Siebold & Zucc.) Rohrb.
Celastraceae	<i>Celastrus orbiculatus</i> Thunb.	
	<i>Euonymus alatus</i> (Thunb.) Siebold	
	<i>Tripterygium wilfordii</i> Hook. f.	<i>Tripterygium regelii</i> Sprague & Takeda
Chloranthaceae	<i>Chloranthus japonicus</i> Siebold	
Colchicaceae	<i>Disporum uniflorum</i> Baker	
	<i>Disporum viridescens</i> (Maxim.) Nakai	
Commelinaceae	<i>Commelina communis</i> L.	
	<i>Tradescantia ohiensis</i> Raf.	<i>Tradescantia reflexa</i> Raf.
Compositae	<i>Achillea alpina</i> L. var. <i>alpina</i>	
	<i>Arctium lappa</i> L.	
	<i>Artemisia gmelinii</i> Weber ex Stechm.	<i>Artemisia iwayomogi</i> Kitam.
	<i>Artemisia keiskeana</i> Miq.	
	<i>Artemisia princeps</i> Pamp.	
	<i>Artemisia vulgaris</i> L.	<i>Artemisia selengensis</i> Turcz. ex Besser
	<i>Aster ageratoides</i> Turcz.	
	<i>Aster glehnii</i> F.Schmidt	
	<i>Aster hayatae</i> H.Lév. & Vaniot	
	<i>Aster iinumae</i> Kitam. ex Hara	<i>Kalimeris pinnatifida</i> (Maxim.) Kitam.
	<i>Aster spathulifolius</i> Maxim.	
	<i>Aster tataricus</i> L.f.	
	<i>Aster yomena</i> Makino	
	<i>Atractylodes japonica</i> Koidz. ex Kitam.	
	<i>Breea segeta</i> (Bunge) Kitam.	
	<i>Carpesium abrotanoides</i> L.	
	<i>Carthamus tinctorius</i> L.	
	<i>Chrysanthemum zawadskii</i> Herbich	
	<i>Cirsium japonicum</i> var. <i>maackii</i> (Maxim.) Matsum.	
	<i>Cirsium pendulum</i> Fisch. ex DC.	
	<i>Cirsium rhinoceros</i> (H.Lév. & Vaniot) Nakai	
	<i>Coreopsis drummondii</i> (D.Don) Torr. & A.Gray	
	<i>Doellingeria scabra</i> (Thunb.) Nees	<i>Aster scaber</i> Thunb.
	<i>Echinops setifer</i> Iljin	

Family name	Scientific name	Synonym written on the name tag in the botanical garden
	<i>Eupatorium chinense</i> L.	
	<i>Eupatorium fortunei</i> Turcz.	
	<i>Farfugium japonicum</i> (L.) Kitam.	
	<i>Helianthus tuberosus</i> L.	
	<i>Inula helenium</i> L.	
	<i>Inula japonica</i> Thunb.	<i>Inula britannica</i> var. <i>japonica</i> (Thunb.) Franch. & Sav.
	<i>Ligularia fischeri</i> (Ledeb.) Turcz.	
	<i>Matricaria chamomilla</i> L.	
	<i>Miyamayomena koraiensis</i> (Nakai) Kitam.	<i>Aster koraiensis</i> Nakai
	<i>Rudbeckia laciniata</i> L.	
	<i>Saussurea odontolepis</i> (Herder) Sch.Bip. ex Herder	
	<i>Scorzonera albicaulis</i> Bunge	
	<i>Sigesbeckia glabrescens</i> (Makino) Makino	
	<i>Solidago virgaurea</i> L.	
	<i>Stevia rebaudiana</i> (Bertoni) Bertoni	
	<i>Taraxacum platycarpum</i> Dahlst.	
	<i>Tragopogon dubius</i> Scop.	
	<i>Tussilago farfara</i> L.	
Convolvulaceae	<i>Calystegia pubescens</i> Lindl.	<i>Calystegia japonica</i> (Thunb.) Choisy
Cornaceae	<i>Cornus officinalis</i> Siebold & Zucc.	
Crassulaceae	<i>Sedum aizoon</i> L.	
	<i>Sedum erythrostictum</i> Miq.	
	<i>Sedum kamtschaticum</i> Fisch.	
	<i>Sedum sarmentosum</i> Bunge	
Cucurbitaceae	<i>Luffa cylindrica</i> (L.) M.Roem.	
	<i>Momordica charantia</i> L.	
	<i>Thladiantha dubia</i> Bunge	
Cycadaceae	<i>Cycas revoluta</i> Thunb.	
Dioscoreaceae	<i>Dioscorea bulbifera</i> L.	
	<i>Dioscorea nipponica</i> Makino	
	<i>Dioscorea polystachya</i> Turcz.	<i>Dioscorea batatas</i> Decne.
	<i>Dioscorea tokoro</i> Makino ex Miyabe	
Dryopteridaceae	<i>Dryopteris crassirhizoma</i> Nakai	
Elaeagnaceae	<i>Elaeagnus umbellata</i> Thunb.	
Ericaceae	<i>Rhododendron micranthum</i> Turcz.	
	<i>Vaccinium hirtum</i> var. <i>koreanum</i> (Nakai) Kitam.	
Eucommiaceae	<i>Eucommia ulmoides</i> Oliv.	



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Euphorbiaceae	<i>Euphorbia ebracteolata</i> Hayata	<i>Euphorbia ebracteolata</i> var. <i>coreana</i> Hurus.
	<i>Euphorbia lathyris</i> L.	
	<i>Euphorbia pekinensis</i> Rupr.	
	<i>Euphorbia sieboldiana</i> C.Morren & Decne.	<i>Galarhoeus sieboldianus</i> (C.Morren & Decne.) H.Hara
Gentianaceae	<i>Gentiana scabra</i> Bunge	
Geraniaceae	<i>Geranium sibiricum</i> L.	
Grossulariaceae	<i>Ribes fasciculatum</i> var. <i>chinense</i> Maxim.	
Hamamelidaceae	<i>Corylopsis coreana</i> Uyeki	<i>Corylopsis gotoana</i> var. <i>coreana</i> (Uyeki) T.Yamaz.
Hydrangeaceae	<i>Deutzia baroniana</i> Diels	<i>Deutzia grandiflora</i> var. <i>baroniana</i> (Diels) Rehder
	<i>Deutzia parviflora</i> Bunge	
Hypericaceae	<i>Hypericum ascyron</i> L.	
Iridaceae	<i>Crocus sativus</i> L.	
	<i>Iris domestica</i> (L.) Goldblatt & Mabb.	<i>Belamcanda chinensis</i> (L.) DC.
	<i>Iris oxypetala</i> Bunge	<i>Iris lactea</i> var. <i>chinensis</i> (Fisch.) Koidz.
	<i>Iris sanguinea</i> Donn ex Hornem.	
Juglandaceae	<i>Juglans regia</i> L.	
Lamiaceae	<i>Agastache rugosa</i> (Fisch. & C.A.Mey.) Kuntze	
	<i>Caryopteris incana</i> (Thunb. ex Houtt.) Miq.	
	<i>Clinopodium chinense</i> var. <i>parviflorum</i> (Kudô) H.Hara	
	<i>Clinopodium micranthum</i> (Regel) H.Hara	
	<i>Dracocephalum argunense</i> Fisch. ex Link	
	<i>Elsholtzia ciliata</i> (Thunb.) Hyl.	
	<i>Isodon inflexus</i> (Thunb.) Kudô	
	<i>Isodon japonicus</i> (Burm.f.) H.Hara	
	<i>Lycopus lucidus</i> Turcz. ex Benth.	
	<i>Meehania urticifolia</i> (Miq.) Makino	
	<i>Phlomooides umbrosa</i> (Turcz.) Kamelin & Makhm.	<i>Phlomis umbrosa</i> Turcz.
	<i>Pogostemon cablin</i> (Blanco) Benth.	
	<i>Prunella vulgaris</i> f. <i>albiflora</i> Nakai	
	<i>Scutellaria baicalensis</i> Georgi	
	<i>Scutellaria barbata</i> D.Don	
	<i>Stachys riederi</i> var. <i>japonica</i> (Miq.) H.Hara	<i>Stachys japonica</i> Miq.
<i>Tripora divaricata</i> (Maxim.) P.D.Cantino	<i>Caryopteris divaricata</i> Maxim.	
<i>Vitex trifolia</i> subsp. <i>litoralis</i> Steenis	<i>Vitex rotundifolia</i> L.f.	

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Lardizabalaceae	<i>Akebia quinata</i> (Houtt.) Decne.	
Lauraceae	<i>Laurus nobilis</i> L.	
	<i>Lindera obtusiloba</i> Blume	
	<i>Machilus japonica</i> Siebold & Zucc.	
Leguminosae	<i>Astragalus propinquus</i> Schischkin	<i>Astragalus membranaceus</i> (Fisch.) Bunge
	<i>Lablab purpureus</i> (L.) Sweet	<i>Dolichos lablab</i> L.
	<i>Lathyrus davidii</i> Hance	
	<i>Lespedeza juncea</i> var. <i>sericea</i> (Thunb.) Lace & Hauech	<i>Lespedeza cuneata</i> (Dum.Cours.) G.Don
	<i>Medicago sativa</i> L.	
	<i>Senna occidentalis</i> (L.) Link	
	<i>Sophora koreensis</i> Nakai	<i>Echinosophora koreensis</i> Nakai
	<i>Styphnolobium japonicum</i> (L.) Schott	<i>Sophora japonica</i> L.
Liliaceae	<i>Trifolium pratense</i> L.	
	<i>Fritillaria thunbergii</i> Miq.	
	<i>Lilium lancifolium</i> Thunb.	
	<i>Lilium pensylvanicum</i> Ker Gawl.	<i>Lilium dauricum</i> Ker Gawl.
Lythraceae	<i>Tricyrtis macropoda</i> Miq.	
	<i>Lagerstroemia indica</i> L.	
Magnoliaceae	<i>Lythrum salicaria</i> L.	
	<i>Magnolia liliiflora</i> Desr.	
	<i>Magnolia obovata</i> Thunb.	
Malvaceae	<i>Magnolia sieboldii</i> K. Koch	
	<i>Abelmoschus manihot</i> (L.) Medik.	<i>Hibiscus manihot</i> L.
	<i>Alcea rosea</i> L.	<i>Althaea rosea</i> (L.) Cav.
Melanthiaceae	<i>Firmiana simplex</i> (L.) W.Wight	
	<i>Veratrum maackii</i> var. <i>japonicum</i> (Baker) T.Shimizu	
Menispermaceae	<i>Veratrum oxysepalum</i> Turcz.	
	<i>Cocculus orbiculatus</i> (L.) DC.	<i>Cocculus trilobus</i> (Thunb.) DC.
Oleaceae	<i>Abeliophyllum distichum</i> Nakai	
	<i>Forsythia viridissima</i> Lindl.	
	<i>Fraxinus chinensis</i> subsp. <i>rhyrachophylla</i> (Hance) A.E.Murray	<i>Fraxinus rhyrachophylla</i> Hance
	<i>Ligustrum japonicum</i> Thunb.	
Onagraceae	<i>Ligustrum obtusifolium</i> Siebold & Zucc.	
Orchidaceae	<i>Oenothera odorata</i> Jacq.	
Osmundaceae	<i>Bletilla striata</i> (Thunb.) Rchb.f.	
	<i>Osmunda japonica</i> Thunb.	



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Paeoniaceae	<i>Paeonia lactiflora</i> Pall.	
Papaveraceae	<i>Chelidonium majus</i> L.	
	<i>Corydalis pallida</i> (Thunb.) Pers.	
	<i>Corydalis turtschaninovii</i> Besser	<i>Corydalis ternata</i> (Nakai) Nakai
	<i>Hylomecon vernalis</i> Maxim.	
	<i>Macleaya cordata</i> (Willd.) R.Br.	
	<i>Papaver radicum</i> var. <i>pseudoradicatum</i> (Kitag.) Kitag.	
	<i>Papaver somniferum</i> L.	
Pentaphragaceae	<i>Eurya japonica</i> Thunb.	
Phytolaccaceae	<i>Phytolacca americana</i> L.	
Piperaceae	<i>Piper kadsura</i> (Choisy) Ohwi	
Plantaginaceae	<i>Digitalis purpurea</i> L.	
	<i>Plantago depressa</i> Willd.	
	<i>Pseudolysimachion linariifolium</i> (Pall. ex Link) Holub	
	<i>Rehmannia glutinosa</i> (Gaertn.) DC.	
	<i>Veronica longifolia</i> L.	
	<i>Veronicastrum sibiricum</i> (L.) Pennell	
Poaceae	<i>Coix lacryma-jobi</i> var. <i>ma-yuen</i> (Rom. Caill.) Stapf	<i>Coix ma-yuen</i> Rom.Caill.
Polygonaceae	<i>Bistorta alopecuroides</i> (Turcz. ex Meisn.) Kom.	
	<i>Bistorta manshuriensis</i> Kom.	
	<i>Fagopyrum esculentum</i> Moench	
	<i>Fallopia sachalinensis</i> (F.Schmidt) Ronse Decr.	
	<i>Persicaria alpina</i> (All.) H.Gross	<i>Aconogonon alpinum</i> (All.) Schur
	<i>Persicaria orientalis</i> (L.) Spach	
	<i>Reynoutria ciliinervis</i> (Nakai) Moldenke	<i>Fallopia ciliinervis</i> (Nakai) K.Hammer
	<i>Reynoutria forbesii</i> (Hance) T.Yamaz.	<i>Fallopia forbesii</i> (Hance) Yonek. & H.Ohashi
	<i>Reynoutria japonica</i> Houtt.	<i>Polygonum cuspidatum</i> Siebold & Zucc.
	<i>Reynoutria multiflora</i> (Thunb.) Moldenke	<i>Polygonum multiflorum</i> Thunb.
	<i>Rumex aquaticus</i> L.	
	<i>Rumex coreanus</i> Nakai	
Polypodiaceae	<i>Pyrrhosia hastata</i> (Thunb.) Ching	<i>Pyrrhosia tricuspis</i> (Sw.) Tagawa
Primulaceae	<i>Lysimachia clethroides</i> Duby	
	<i>Lysimachia coreana</i> Nakai	
	<i>Lysimachia davurica</i> Ledeb.	<i>Lysimachia vulgaris</i> var. <i>davurica</i> (Ledeb.) R. Knuth

Family name	Scientific name	Synonym written on the name tag in the botanical garden
Ranunculaceae	<i>Aconitum jaluense</i> Kom.	
	<i>Aconitum japonicum</i> subsp. <i>napiforme</i> (H.Lév. & Vaniot) Kadota	
	<i>Aconitum monanthum</i> Nakai	
	<i>Aconitum pseudolaeve</i> Nakai	<i>Aconitum pseudolaeve</i> var. <i>erectum</i> Nakai
	<i>Actaea heracleifolia</i> (Kom.) J.Compton	<i>Cimicifuga heracleifolia</i> Kom.
	<i>Actaea japonica</i> Thunb.	<i>Cimicifuga japonica</i> (Thunb.) Spreng.
	<i>Adonis amurensis</i> Regel & Radde	
	<i>Aquilegia buergeriana</i> Siebold & Zucc.	
	<i>Aquilegia flabellata</i> Siebold & Zucc.	<i>Aquilegia japonica</i> Nakai & Hara
	<i>Clematis apiifolia</i> DC.	
	<i>Clematis heracleifolia</i> DC.	<i>Clematis heracleifolia</i> var. <i> davidiana</i> (Decne. ex Verl.) Forbes & Hemsl.
	<i>Clematis terniflora</i> var. <i>manshurica</i> (Rupr.) Ohwi	<i>Clematis manshurica</i> Rupr.
	<i>Pulsatilla cernua</i> (Thunb.) Bercht. ex J.Presl	<i>Pulsatilla koreana</i> (Yabe ex Nakai) Nakai ex T. Mori
	<i>Ranunculus japonicus</i> Thunb.	
	<i>Thalictrum actaeifolium</i> var. <i>brevistylum</i> Nakai	
<i>Thalictrum aquilegiifolium</i> var. <i>sibiricum</i> Regel & Tiling		
Rhamnaceae	<i>Berchemiella berchemiifolia</i> (Makino) Nakai	<i>Berchemia berchemiifolia</i> (Makino) Koidz.
	<i>Hovenia dulcis</i> Thunb.	
Rosaceae	<i>Agrimonia pilosa</i> Ledeb.	
	<i>Aruncus dioicus</i> (Walter) Fernald var. <i>dioicus</i>	<i>Aruncus dioicus</i> var. <i>kamtschaticus</i> (Maxim.) H. Hara
	<i>Aruncus dioicus</i> var. <i>aethusifolius</i> (H.Lév.) H.Hara	<i>Aruncus aethusifolius</i> (H.Lév.) Nakai
	<i>Chaenomeles japonica</i> (Thunb.) Lindl. ex Spach	<i>Chaenomeles trichogyna</i> Nakai
	<i>Chaenomeles speciosa</i> (Sweet) Nakai	<i>Chaenomeles lagenaria</i> (Loisel.) Koidz.
	<i>Crataegus pinnatifida</i> Bunge	
	<i>Crataegus scabrada</i> Sarg.	
	<i>Duchesnea indica</i> (Jacks.) Focke	
	<i>Filipendula glaberrima</i> Nakai	
	<i>Geum japonicum</i> Thunb.	
	<i>Potentilla discolor</i> Bunge	
<i>Potentilla fragarioides</i> L.	<i>Potentilla fragarioides</i> var. <i>major</i> Maxim.	



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	<i>Potentilla fruticosa</i> var. <i>rigida</i> (Wall. ex Lehm.) Th.Wolf	
	<i>Potentilla kleiniana</i> Wight & Arn.	<i>Potentilla anemonifolia</i> Lehm.
	<i>Prunus</i> × <i>yedoensis</i> Matsum.	
	<i>Prunus armeniaca</i> var. <i>ansu</i> Maxim.	
	<i>Prunus persica</i> (L.) Batsch	
	<i>Prunus tomentosa</i> Thunb.	
	<i>Rhodotypos scandens</i> (Thunb.) Makino	
	<i>Rosa davurica</i> Pall.	
	<i>Rosa rugosa</i> Thunb.	
	<i>Rubus coreanus</i> Miq.	
	<i>Rubus crataegifolius</i> Bunge	
	<i>Rubus pungens</i> Cambess.	<i>Rubus oldhamii</i> Miq.
	<i>Sanguisorba officinalis</i> L.	
	<i>Sanguisorba officinalis</i> L.	<i>Sanguisorba longifolia</i> Bertol.
	<i>Sorbus commixta</i> Hedl.	
	<i>Spiraea japonica</i> L.f.	<i>Spiraea fritschiana</i> C.K.Schneid.
	<i>Spiraea japonica</i> L.f.	<i>Spiraea microgyna</i> Nakai
	<i>Spiraea nervosa</i> Franch. & Sav.	<i>Spiraea chinensis</i> Maxim.
	<i>Spiraea pubescens</i> Turcz.	
Rubiaceae	<i>Galium verum</i> L.	<i>Galium verum</i> var. <i>asiaticum</i> Nakai
	<i>Rubia argyi</i> (H.Lév. & Vaniot) Hara ex Lauener	<i>Rubia akane</i> Nakai
Rutaceae	<i>Citrus trifoliata</i> L.	<i>Poncirus trifoliata</i> (L.) Raf.
	<i>Dictamnus albus</i> L.	
	<i>Phellodendron amurense</i> Rupr.	
	<i>Ruta graveolens</i> L.	
	<i>Tetradium ruticarpum</i> (A.Juss.) T.G. Hartley	<i>Euodia officinalis</i> Dode
	<i>Zanthoxylum coreanum</i> Nakai	
	<i>Zanthoxylum schinifolium</i> Siebold & Zucc.	
Salicaceae	<i>Populus koreana</i> Rehder	
	<i>Populus suaveolens</i> Fisch. ex Loudon	<i>Populus maximowiczii</i> Henry
Santalaceae	<i>Viscum album</i> var. <i>coloratum</i> (Kom.) Ohwi	<i>Viscum coloratum</i> var. <i>lutescens</i> (Makino) Miyabe
Sapindaceae	<i>Acer pictum</i> Thunb.	<i>Kalopanax pictum</i> (Thunb.) Nakai
Saururaceae	<i>Saururus chinensis</i> (Lour.) Baill.	
Saxifragaceae	<i>Astilbe rubra</i> Hook.f. & Thomson	<i>Astilbe chinensis</i> var. <i>davidii</i> Franch.
Schisandraceae	<i>Schisandra chinensis</i> (Turcz.) Baill.	
Scrophulariaceae	<i>Scrophularia buergeriana</i> Miq.	

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	<i>Verbascum thapsus</i> L.	
Selaginellaceae	<i>Selaginella stauntoniana</i> Spring	
	<i>Selaginella tamariscina</i> (P.Beauv.) Spring	
Smilacaceae	<i>Smilax china</i> L.	
	<i>Smilax sieboldii</i> Miq.	
Solanaceae	<i>Datura metel</i> L.	
	<i>Datura stramonium</i> L.	
	<i>Lycium chinense</i> Mill.	
	<i>Nicotiana tabacum</i> L.	
	<i>Scopolia parviflora</i> (Dunn) Nakai	
	<i>Solanum carolinense</i> L.	
Staphyleaceae	<i>Staphylea bumalda</i> DC.	
Tamaricaceae	<i>Tamarix chinensis</i> Lour.	<i>Tamarix juniperina</i> Bunge
Taxaceae	<i>Cephalotaxus harringtonii</i> (Knight ex J.Forbes) K.Koch	<i>Cephalotaxus koreana</i> Nakai
	<i>Torreya nucifera</i> (L.) Siebold & Zucc.	
Thymelaeaceae	<i>Edgeworthia tomentosa</i> (Thunb.) Nakai	<i>Edgeworthia chrysantha</i> Lindl.
Typhaceae	<i>Typha latifolia</i> L.	
Ulmaceae	<i>Ulmus macrocarpa</i> Hance	
	<i>Ulmus parvifolia</i> Jacq.	
Urticaceae	<i>Boehmeria japonica</i> (L.f.) Miq.	<i>Boehmeria longispica</i> Steud.
	<i>Boehmeria nivea</i> (L.) Gaudich.	
	<i>Boehmeria spicata</i> (Thunb.) Thunb.	
Violaceae	<i>Viola acuminata</i> Ledeb.	
	<i>Viola papilionacea</i> Pursh	
Vitaceae	<i>Vitis flexuosa</i> Thunb.	
	<i>Vitis vinifera</i> L.	
Xanthorrhoeaceae	<i>Hemerocallis citrina</i> Baroni	<i>Hemerocallis coreana</i> Nakai
	<i>Hemerocallis dumortieri</i> E.Morren	
	<i>Hemerocallis fulva</i> (L.) L.	
	<i>Hemerocallis fulva</i> f. <i>kwanso</i> (Regel) Kitam.	
	<i>Hemerocallis minor</i> Mill.	
	<i>Hemerocallis thunbergii</i> Barr	



결론

경기도 고양시에 있는 서울대 약대 약초원에서 촬영한 89 과 365 종의 약용식물은 국화과(Asteraceae, Compositae) 43 종, 장미과(Rosaceae) 29 종, 산형과(Apiaceae, Umbelliferae) 27 종, 꿀풀과(Lamiaceae, Labiatae) 18 종, 미나리아재비과(Ranunculaceae) 16 종, 아스파라거스과(Asparagaceae) 13 종, 마디풀과(Polygonaceae) 12 종, 콩과(Fabaceae, Leguminosae) 9 종, 인동과(Caprifoliaceae) 8 종 순으로 재배되고 있다. 이 약초원은 당귀속(*Angelica*) 식물 10 종, 참취속(*Aster*) 식물 7 종, 부추속(*Allium*)과 원추리속(*Hemerocallis*) 식물 각 6 종, 기름당귀속(*Ligusticum*) 식물 5 종 등 다양한 약용식물을 보유하고 있다.

감사의 글

사진 촬영에 도움 주신 서울대 약초원 김진웅 원장님, 한상일 선생님 그리고 자료 정리를 위해 수고해 준 순천대 박사과정 대학원생 백지윤, 순천대 석사과정 대학원생 소주영, 민하림, 순천대 졸업생 장채영에게 감사드린다.

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