

A Check List of Sexual System of Angiosperm Species and Genera in the Japanese Flora II

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ABSTRACT : The sex expression of all angiosperm species known to Japan, including the Ryukyu and the Bonin Islands, was surveyed by scrutinizing literature and/or field observation. The check list is continued from the No. 18 of this Annual Report, and a part of the results, from Diapensiaceae to Goodeniaceae, is shown.

Key words : Angiosperms, Japanese flora, Sexual system.

	CH	CM	CA	CG	DD	DA	DG	PM
Diapensiaceae								
Diapensia 1sp.	A							
Schizocodon 3spp.	A							
Shortia 2spp.	A							
Clethraceae								
Clethra 1sp.	A							
Pyrolaceae								
Chimaphila 2spp.	A							
Moneses 1sp.	A							
Monotropa 2spp.	A							
Monotropastrum 1sp.	A							
Orthilia 1sp.	A							
Pyrola 7spp.	A							
Ericaceae								
Andromeda 1sp.	A							
Arctericia 1sp.	A							
Arctous 1sp.	A							
Bryanthus 1sp.	A							
Cassiope 1sp.	A							
Chamaedaphne 1sp.	A							
Cladothamnus 1sp.	A							

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	CH	CM	CA	CG	DD	DA	DG	PM
Elliottia 1sp.	A							
Enkianthus 6spp.	A							
Epigaea 1sp.	A							
Gaultheria 3spp.	A							
Harrimanella 1sp.	A							
Ledum 1sp.	A							
Leucothoe 2spp.	A							
Loiseleuria 1sp.	A							
Lyonia 1sp.	A							
Menziesia 7spp.	A							
Phyllodoce 3spp.	A							
Pieris 2spp.	A							
Rhododendron 51spp.	A							
Therorhodion 1sp.	A							
Tsusiophyllum 1sp.	A							
Vaccinium 19spp.	A							
Empetraceae								
Empetrum nigrum L. var. japonicum K. Koch								B
Myrsinaceae								
Ardisia chinensis Benth.								B
Ardisia crenata Sims								B
Ardisia crispa (Thunb.) DC.								B
Ardisia japonica (Thunb.) Bl.								B
Ardisia montana (Miq.) Sieb. ex Franch. et Savat.								B
Ardisia pusilla DC.								B
Ardisia quinquegona Bl.								B
Ardisia sieboldii Miq.								B
Maesa 1sp.					A			
Maesa tenera Mez	*							
Myrsine 3spp.					A			
Primulaceae								
Anagallis 1sp.	A							
Androsace 1sp.	A							
Androsace 1sp.	A							
Cortusa 1sp.	A							
Glaux 1sp.	A							
Lysimachia 15spp.	A							
Primula 14spp.	A							

	CH	CM	CA	CG	DD	DA	DG	PM
Samolus 1sp.	A							
Stimpsonia 1sp.	A							
Trientalis 1sp.	A							
Plumbaginaceae								
Limonium 2spp.	A							
Sapotaceae								
Pouteria 2spp.	A							
Ebenaceae								
Diospyros eriantha Champ. et Benth.	*							
Diospyros ferra (Willd.) Bakh. var. buxifolia (Rottb.) Bakh.								A
Diospyros japonica Sieb. et Zucc.								B
Diospyros kaki Thunb.								B
Diospyros maritima Hance								B
Diospyros morrisiana Bl.								B
Diospyros oldhamii Maxim.	*							
Styracaceae								
Pterostyrax 2spp.	A							
Styrax 3spp.	A							
Symplocaceae								
Symplocos boninensis Rehd. et Wils.	A							
Symplocos caudata Wall.	C							
Symplocos cochinchinensis (Lour.) Moore	A							
Symplocos confusa Brand	C							
Symplocos coreana (Lev.) Ohwi	C							
Symplocos glauca (Thunb.) Koidz.	A							
Symplocos kawakamii Hayata	C							
Symplocos lancifolia Sieb. et Zucc.	A							
Symplocos lucida Siev. et Zucc.	A							
Symplocos microcalyx Hayata	C							
Symplocos myrtaea Sieb. et Zucc.	A							
Symplocos nakaharae (Hayata) Masamune	C							
Symplocos okinawensis Matsum.	C							
Symplocos paniculata (Thunb.) Miq.	C							
Symplocos pergracilis (Nakai) Yamazaki	C							
Symplocos prunifolia Sieb. et Zucc.	A							
Symplocos sawafutagi Nagamasu	C							
Symplocos stellaris Brand	A							
Symplocos tanakae Matsumura	A							

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<i>Symplocos tanakana</i> Nakai	C							
<i>Symplocos theophrastifolia</i> Sieb. et Zucc.	A							
Oleaceae								
<i>Chionanthus retusus</i> Lindl. ex Paxton								B
<i>Forsythia japonica</i> Makino								B
<i>Forsythia togashii</i> Hara								B
<i>Fraxinus apertisquamifera</i> Hara	*							
<i>Fraxinus floribunda</i> Wall.	*							
<i>Fraxinus griffithii</i> C. B. Clarke	*							
<i>Fraxinus japonica</i> Bl.								B
<i>Fraxinus lanuginosa</i> Koidz.	*							
<i>Fraxinus longicuspis</i> Sieb. et Zucc.					A			
<i>Fraxinus mandshurica</i> Rupr. var. <i>japonica</i> Maxim.								B
<i>Fraxinus platypoda</i> Oliv.								B
<i>Fraxinus sieboldiana</i> Bl.								B
<i>Jasminium</i> 1sp.	A							
<i>Ligustrum</i> 9spp.	A							
<i>Osmanthus heterophyllus</i> (G. Don) P. S. Green								B
<i>Osmanthus insularis</i> Koidz.					A			
<i>Osmanthus marginatus</i> (Champ. ex Benth.) Hemsl.					A			
<i>Osmanthus okinawensis</i> Hatusima	*							
<i>Osmanthus rigidus</i> Nakai					A			
<i>Syringa</i> 1sp.	A							
Loganiaceae								
<i>Gardenia</i> 1sp.	A							
<i>Gardneria</i> 3spp.	A							
<i>Geniostoma</i> 1sp.	A							
<i>Mitrasacme</i> 2spp.	A							
Gentianaceae								
<i>Centaurium</i> 1sp.	A							
<i>Comastoma</i> 1sp.	A							
<i>Gentiana</i> 13spp.	A							
<i>Gentianella</i> 3spp.	A							
<i>Gentianopsis</i> 3spp.	A							
<i>Halenia</i> 1sp.	A							
<i>Lomatogonium</i> 1sp.	A							
<i>Pterygocalyx</i> 1sp.	A							
<i>Swertia</i> 10spp.	A							

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<i>Tripterosperrum bistylum</i> J. Murata et Yahara	*							
<i>Tripterosperrum japonicum</i> (Sieb, et Jucc.) Maxim.	A							
Menyanthaceae								
<i>Fauria</i> 1sp.	A							
<i>Menyanthes</i> 1sp.	A							
<i>Nymphoides</i> 3spp.	A							
Apocynaceae								
<i>Amsonia</i> 1sp.	A							
<i>Anodendron</i> 1sp.	A							
<i>Apocynum</i> 1sp.	A							
<i>Cerbera</i> 1sp.	A							
<i>Ecdysanthera</i> 1sp.	A							
<i>Ochrosia</i> 3spp.	A							
<i>Parsonsia</i> 1sp.	A							
<i>Trachelospermum</i> 3spp.	A							
Asclepiadaceae								
<i>Cynanchum</i> 20spp.	A							
<i>Dischidia</i> 1sp.	A							
<i>Gymnema</i> 1sp.	A							
<i>Hoya</i> 1sp.	A							
<i>Marsdenia</i> 3spp.	A							
<i>Metaplexis</i> 1sp.	A							
<i>Stephanotis</i> 1sp.	A							
<i>Tylophora</i> 5spp.	A							
Rubiaceae								
<i>Adina</i> 1sp.	A							
<i>Argostemma</i> 1sp.	A							
<i>Asperula</i> 2spp.	A							
<i>Borreria</i> 1sp.	A							
<i>Coptosapelta</i> 1sp.	A							
<i>Damnacanthus</i> 3spp.	A							
<i>Galium</i> 18spp.	A							
<i>Gardenia</i> 2spp.	A							
<i>Guettarda</i> 1sp.	A							
<i>Hedyotis</i> 10spp.	A							
<i>Hedyotis auricularia</i> L.	*							
<i>Knoxia</i> 1sp.	A							
<i>Lasianthus</i> 6spp.	A							

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Leptodermis 1sp.	A							
Mitchella 1sp.	A							
Morinda 2spp.	A							
Mussaenda 2spp.	A							
Ophiorrhiza 3spp.	A							
Paederia 1sp.	A							
Pseudopyxis 2spp.	A							
Psychotria 5spp.	A							
Randia 3spp.	A							
Randia spinosa (Thunb.) Poiret	*							
Rubia 5spp.	A							
Sinoadina 1sp.	A							
Tarenna 2spp.	A							
Tricalysia 1sp.	A							
Uncaria 1sp.	A							
Wendlandia 1sp.	A							
Polemoniaceae								
Polemonium 2spp.	A							
Convolvulaceae								
Aniseia 1sp.	A							
Calystegia 4spp.	A							
Cuscuta 4spp.	A							
Dichondra 1sp.	A							
Erycibe 1sp.	A							
Evolvulus 1sp.	A							
Ipomoea 5spp.	A							
Lepistemon 1sp.	A							
Merremia 1sp.	A							
Operculina 1sp.	A							
Stictocardia 1sp.	A							
Boraginaceae								
Ancistrocarya 1sp.	A							
Argusia 1sp.	A							
Bothriospermum 1sp.	A							
Cordia 2spp.	A							
Cynoglossum 3spp.	A							
Ehretia 4spp.	A							
Eritrichium 1sp.	A							

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Hackelia 1sp.	A							
Lithospermum 3spp.	A							
Mertensia 2spp.	A							
Messerschmidia 1sp.	A							
Myosotis 1sp.	A							
Omphalodes 4spp.	A							
Trigonotis 6spp.	A							
Verbenaceae								
Avicennia 1sp.	A							
Callicarpa dichotoma (Lour.) K. Koch	A							
Callicarpa formosana Rolfe	A							
Callicarpa glabra Koidz.	A							
Callicarpa japonica Thunb.	A							
Callicarpa longissima (Hemsl.) Merr.	A							
Callicarpa kochiana Makino	A							
Callicarpa mollis Sieb. et Zucc.	A							
Callicarpa nishimurae Koidz.	A							
Callicarpa oshimensis Hayata	A							
Callicarpa shikokiana Makino	A							
Callicarpa subpubescens Hook. et Arn.					A			
Caryopteris 2spp.	A							
Clerodendrum 2spp.	A							
Lippia 1sp.	A							
Premna 3spp.	A							
Verbena 1sp.	A							
Vitex 2spp.	A							
Callitrichaceae								
Callitriche 2spp.		A						
Labiatae								
Agastache 1sp.	A							
Ajuga 1sp.	A							
Amethystea 1sp.	A							
Anisomeles indica (L.) O. Kuntze	*							
Chelonopsis 2spp.	A							
Clinopodium 6spp.	A							
Coleus 1sp.	A							
Dracocephalum 1sp.	A							
Elsholtzia 2spp.	A							

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Eustellaris 2spp.	A							
Glechoma hederacea L. ssp. grandis (A. Gray) Hara	A							
Glechoma luchuensis (Kudo) Masam.	*							
Keiskea 1sp.	A							
Lamium 5spp.	A							
Leonurus 2spp.	A							
Leucas mollissima Wall. var. chinensis Benth.	*							
Leucosceptrum 2spp.	A							
Lycopus 4spp.	A							
Meehania 2spp.	A							
Mentha 2spp.	A							
Mosla 5spp.	A							
Nepeta 1sp.	A							
Perilla 1sp.	A							
Perillula 1sp.	A							
Prunella 2spp.	A							
Rabdosia 7spp.	A							
Salvia 10spp.	A							
Scutellaria 15spp.	A							
Scutellaria longituba Koidz.	*							
Stachys 1sp.	A							
Teucrium 4spp.	A							
Thymus 1sp.	A							
Solanaceae								
Lycium 2spp.	A							
Physalistrum 2spp.	A							
Physalis 1sp.	A							
Scopolia 1sp.	A							
Solanum 10spp.	A							
Tubocapsicum 1sp.	A							
Buddlejaceae								
Buddleja 2spp.	A							
Scrophulariaceae								
Centranthera 1sp.	A							
Deinostema 2spp.	A							
Ellisiophyllum 1sp.	A							
Euphrasia 7spp.	A							
Gratiola 2spp.	A							

	CH	CM	CA	CG	DD	DA	DG	PM
Lathrea 1sp.	A							
Limnophila 5spp.	A							
Limosella 1sp.	A							
Linaria 1sp.	A							
Lindernia 10spp.	A							
Mazus 3spp.	A							
Melampyrum 3spp.	A							
Microcarpaea 1sp.	A							
Mimulus 2spp.	A							
Monochasma 2spp.	A							
Pedicularis 15spp.	A							
Penstemon 1sp.	A							
Phtheirospermum 1sp.	A							
Pseudolysimachion 7spp.	A							
Scrophularia 5spp.	A							
Siphonostegia 2spp.	A							
Torenia 2spp.	A							
Veronica 13spp.	A							
Veronicastrum 6spp.	A							
Globulariaceae								
Lagotis 3spp.	A							
Acanthaceae								
Codonacanthus 1sp.	A							
Dicliptera 1sp.	A							
Hemigraphis 1sp.	A							
Hygrophila 1sp.	A							
Justicia 1sp.	A							
Lepidagathis 2spp.	A							
Peristrophe 1sp.	A							
Staurogyne 1sp.	A							
Strobilanthes 3spp.	A							
Trapellaceae								
Trapella 1sp.	A							
Gesneriaceae								
Aeschynanthus acuminatus Wall.	*							
Conandron 1sp.	A							
Cyrtandra 1sp.	A							
Hemiboea 1sp.	A							

	CH	CM	CA	CG	DD	DA	DG	PM
Lysionotus 1sp.	A							
Ophithandra 1sp.	A							
Rhynchotechum 1sp.	A							
Titanotrichum 1sp.	A							
Orobanchaceae								
Aeginetia 2spp.	A							
Boschniakia 1sp.	A							
Orobanche 2spp.	A							
Phacellanthus 1sp.	A							
Lentibulariaceae								
Pinguicula 2spp.	A							
Utricularia 13spp.	A							
Myoporaceae								
Myoporum 2spp.	A							
Phrymaceae								
Phryma 1sp.	A							
Plantaginaceae								
Plantago 5spp.	A							
Caprifoliaceae								
Abelia 4spp.	A							
Linnaea 1sp.	A							
Lonicera 21sp.	A							
Sambucus 3spp.	A							
Triosteum 2spp.	A							
Viburnum 16spp.	A							
Weigela 8spp.	A							
Zabelia 1sp.	A							
Adoxaceae								
Adoxa 1sp.	A							
Valerianaceae								
Patrinia 6spp.	A							
Valeriana 2spp.	A							
Dipsacaceae								
Dipsacus 1sp.	A							
Scabiosa 1sp.	A							
Campanulaceae								
Adenophora 11sp.	A							
Asyneuma 1sp.	A							

	CH	CM	CA	CG	DD	DA	DG	PM
Campanula 5spp.	A							
Campanumoea 2spp.	A							
Codonopsis 2spp.	A							
Lobelia 5spp.	A							
Peracarpa 1sp.	A							
Platycodon 1sp.	A							
Wahlenbergia 1sp.	A							
Goodeniaceae								
Scaevola 1sp.	A							