

Haruo UEMATSU* : A list of the plants distributed
on the Southern Japanese Alps (6)

植 松 春 雄* 南アルプス産植物目録(六)

Note : Aug., *Castanea*-zone, 900-1,
300 m, common

ACANTHACEAE

Justicia procumbens L. var. *leucantha*

HONDA (Sees. Mut.)

Distr. : (1) B, C, D, H (2) I-B
(3) Korea, Manchuria, China
and Formosa

Note : Aug.-Sept., *Castanea*-zone,
600 m, rare

LENTIBULARIACEAE

Pinguicula vulgaris L. var. *macroceras*

HERDER

Distr. : (1) A, B, G (2) V-A (3)
Kurile, Aleutian and Northern
Hemisphere

Note : Aug., *Fagus*-zone, *Abies*-zo-
ne, *Pinus pumila*-zone, 2,000-
2,500 m, very rare

Utricularia japonica MAKINO

Distr. : (1) B (2) I-A (3) Sa-
ghalien, Kurile and Manchu-
ria

Note : Aug., *Machilus*-zone, *Casta-
nea*-zone 400-800 m, rare

GESNERIACEAE

Conandron ramondioides SIED. et
ZUCC.

Distr. : (1) B, D, F, H (2) I-B

(3) Ryukyu and Formosa

Note : July-Aug., *Castanea*-zone,
Fagus-zone 700-1,500 m, co-
mmon

OROBANCHACEAE

Aeginetia sinensis G. BECK

Distr. : (1) D (2) I-B (3)
Ryukyu and China

Note : July-Aug., *Castanea*-zone,
700 m, rare

Boschniakia rossica (CHAM. et SCHLT-
DL.) FEDTSCH. et FLEROV

Distr. : (1) B, E, F, G (2) V-A
(3) Saghalien, Kurile, Korea,
Manchuria, China, Eastern Si-
beria and Northern America.

Note : Aug., *Pinus pumila*-zone,
1,800-2,500 m, very rare.

Phacellanthus tubiflorus SIED. et ZUCC.

Distr. : (1) B (The river Ojira)
(2) I-A (3) Korea, Manc-
huria, China, Usuri and Sag-
halien.

Note : July, *Fagus*-zone, 1,500 m,
very rare.

SCROPHULARIACEAE

Deinostema violaceum (MAXIM.) YA-
MAZAKI

Distr. : (1) B (2) I-B.

* 山梨県立教育研修所 Teacher Consultant, Institute for Educational Research
and Inservice Training in Yamanashi Prefecture

- Note : Sept., *Castanea*-zone, 900 m, rare.
- Euphrasia matsumurae* NAKAI
Distr. : (1) B, E, F, G (2) IV-C.
- Note : Aug., *Pinus pumila*-zone, 2,600-3,000 m, common.
- E. Maximowiczii* WETTST. var. *ca-rcalea* YAMAZAKI
Distr. : (1) A, H (2) IV-F, En-
demic plant (Shiraiwa).
Note : Aug., *Fagus*-zone, 1,200 m,
common. (Limestone Region
Element)
- Lathrea japonica* MIQ.
Distr. : (1) G (2) I-B.
Note : May, *Fagus*-zone, 1,500 m,
rare.
- Linaria vulgaris* MILL.
Distr. : (1) B.
Note : Aug., *Castanea*-zone, 900m,
very rare.
- Melampyrum laxum* MIQ.
Distr. : (1) B (2) I-B.
Note : Aug., *Fagus*-zone, 1,200m,
rare.
var. *arcuatum* SOÓ
Distr. : (1) B (2) IV-C.
Note : Aug., *Abies*-zone, 1,800-
2,000 m, rare.
var. *nikkoense* BEAUVERD
Distr. : (1) E, F (2) I-A.
Note : Aug., *Castanea*-zone, 900-
1,200 m, rare.
- Melampyrum roseum* MAXIM.
Distr. : (1) B (2) II-A (3)
Korea, Manchuria and China.
- Note : Aug., *Fagus*-zone, 1,500m,
rare.
var. *japonicum* FR. et SAV.
Distr. : (1) A, B (2) I-A (3)
Korea.
Note : Aug., *Castanea*-zone, 1,200
m, common.
- Mimulus nepalensis* BENTH. var. *japo-
nica* MIQ.
Distr. : (1) D (2) I-A (3)
Korea and Formosa.
Note : Aug., *Castanea*-zone, 500m,
common.
- Pedicularis apodochila* MAXIM.
Distr. : (1) E, F (2) V-A.
Note : July-Aug., *Pinus pumila*-
zone, 3,000 m, rare.
- P. chamissonis* STEV. var. *japonica*
(MIQ.) MAXIM. f. *longirostrata* YA-
MAZAKI
Distr. : (1) B, E, F (2) IV-C.
Note : Aug., *Pinus pumila*-zone,
2,600-3,100m, common.
- P. gloriosa* BISSET et S. MOORE
Distr. : (1) C, D (2) IV-B.
Note : Aug., *Fagus*-zone, 1,000m,
rare.
- P. keiskei* FR. et SAV.
Distr. : (1) B, E, F (2) IV-E.
Note : Aug., *Abies*-zone, 2,000-
2,500m, very common. (Geo-
logical History Element)
- P. resupinata* L.
Distr. : (1) A, B, D, E (2) I-A
(3) Korea, Kurile, Saghali-
en, China, Eastern Siberia
and Kamchatka.

- Note : Aug., *Castanea*-zone and *Fagus*-zone, 1,000-1,500m, common.
- var. *caespitosa* KOIDZ.
- Distr. : (1) E, G, H (2) IV-E.
- Note : Aug., *Pinus pumila*-zone, 2,500-2,600m, common.
- Pedicularis verticillata* L.
- Distr. : (1) E, F, G (2) V-A (3) Korea, Kurile, Asia, Europe and Northern America.
- Note : July-Aug., *Pinus pumila*-zone, 2,500-2,600m, common.
- P. yezoensis* MAXIM.
- Distr. : (1) B, E, F, G, H (2) V-A.
- Note : July-Aug., *Pinus pumila*-zone, 2,000-2,900m, common.
- Phtheirospermum japonicum* (THUNB.) KANIZ.
- Distr. : (1) A, B, E, F, H, I (2) I-A (3) Korea, Manchuria, China and Formosa.
- Note : July-Aug., *Castanea*-zone, 800-900m, common.
- Scrophularia buergeriana* MIQ.
- Distr. : (1) D, F (2) I-B (3) Korea, Manchuria and China.
- Note : July-Aug., *Fagus*-zone, 1,700m, rare.
- S. duplicato-serrata* (MIQ.) MAKINO.
- Distr. : (1) B, D, E, F, H (2) II-A
- Note : July-Aug., *Fagus*-zone, 1,400-1,800m, rare.
- S. kakudensis* FR.
- Distr. : (1) D, F (2) I-A (3) Korea.
- Note : July-Aug., *Castanea*-zone, 900m, rare.
- Scrophularia musashiensis* BONATI
- Distr. : (1) H.
- Note : May-June, *Fagus*-zone, 1,500m, very rare.
- Siphonostegia chinensis* BENTH.
- Distr. : (1) A, B (2) I-A (3) Kurile, Korea, Manchuria, China, Annan and Formosa.
- Note : Aug., *Castanea*-zone, 800m, common.
- S. laeta* S. L. MOORE
- Distr. : (1) D (2) II-A.
- Note : Aug., *Fagus*-zone, 1,400m, very rare.
- Veronica kiusiana* FURUMI var. *kitadakemontana* YAMAZAKI
- Distr. : (1) G (2) IV-F. (Endemic plant.)
- Note : July-Aug., *Fagus*-zone, 1,800m, very rare.
- var. *sinanomontana* YAMAZAKI
- Distr. : (1) E, F, G, H (2) IV-E.
- Note : Aug., *Pinus pumila*-zone, 2,600-3,000m, rare.
- V. miqueliana* NAKAI
- Distr. : (1) F (2) I-B (3) Himalaya and China.
- Note : July, *Castanea*-zone, 1,000m, rare.
- V. nipponica* MAKINO var. *shinanoalpina* HARA
- Distr. : (1) E, F, G, H (2) IV-F.
- Note : Aug., *Pinus pumila*-zone, 2,600-3,000m, rare.

Veronica persica POIR.

Distr. : (1) H (3) Europe and Africa.

Note : July, *Machilus*-zone, and *Castanea*-zone, common. (Naturalized plant)

V. rotunda NAKAI var. *subintegra* (NAKAI) YAMAZAKI

Distr. : (1) B (2) I-B.

Note : Aug-Oct., *Castanea*-zone, 1, 200m, common.

V. tenella ALL.

Distr. : (1) D (2) V-A (3) Saghalien, Kurile, Korea, Northern America, Siberia and Europe.

Note : July-Aug., *Fagus*-zone, 1,500 m, rare.

V. schmidtiana REGEL var. *bandaiana* MAKINO

Distr. : (1) F, G (2) IV-C (3) Saghalien and Kurile.

Note : July-Aug., *Pinus pumila*-zone, 2,700-3,100m, rare

Veronicastrum sibiricum (L.) PENNELL.

Distr. : (1) A, B, E, H, I (2) I-A (3) Korea, China, Manchuria, Saghalien and Siberia.

Note : Aug., *Fagus*-zone and *Abies*-zone, 1,400-2,400m, common.

SOLANACEAE

Physaliastrum japonicum (FR. et SAV.) HONDA.

Distr. : (1) H (2) I-A (3) Korea, Manchuria and China.

Note : July-Aug., *Castanea*-zone, 800m, very rare.

Physaliastrum savatieri MAKINO

Distr. : (1) D (2) I-B.

Note : July, *Castanea*-zone, 500m, very rare.

Physalis chamaesarachoides MAKINO

Distr. : (1) I (2) II-A.

Note : Sept., *Fagus*-zone, 1,200m, very rare.

Scopola japonica MAXIM.

Distr. : (1) A, F, H (2) I-B.

Note : May, *Fagus*-zone, 1,400-1,500m, common.

Solanum japonense NAKAI

Distr. : (1) B, F, H (2) I-A.

Note : Aug., *Castanea*-zone, 900-1,700m, rare.

S. lyratum THUNB.

Distr. : (1) E, H (2) I-A (3) Korea, China, Ryukyu, Formosa and India.

Note : Apr.-May, *Castanea*-zone, 700-900m, rare.

S. nigrum L.

Distr. : (1) D, H (2) I-A (3) Cosmopolitan species.

Note : Apr.-May, *Machilus*-zone and *Castanea*-zone, 500-900m, rare.

LABIATAE

Agastache rugosa (FISCH. et MEY.) O. KUNTZE

Distr. : (1) D, E, F (2) I-A.

Note : July-Aug., *Castanea*-zone and *Fagus*-zone, 800-1,400m, common.

Ajuga decumbens THUNB.

Distr. : (1) A, C, E, H (2) I-B