

Species Report

***Dendrobium moniliforme* (L.) Sw., Nova Acta Regiae Soc. Sci. Upsal. 6: 85 (1799).**

The Necklace-Shaped Dendrobium - In China Xi Jing Shi Hu

Synonyms

- *Epidendrum moniliforme* L., Sp. Pl.: 954 (1753).
- *Epidendrum monile* Thunb., Fl. Jap.: 30 (1784), nom. illeg.
- *Limodorum monile* (Thunb.) Thunb., Trans. Linn. Soc. London 2: 327 (1794).
- *Callista moniliformis* (L.) Kuntze, Revis. Gen. Pl. 2: 655 (1891).
- *Dendrobium monile* Kraenzl. in H.G.A.Engler (ed.), Pflanzenr., IV, 50 II B 21: 50 (1910), nom. illeg.
- *Epidendrum moniferum* Panz. in G.F.Christmann, Vollst. Pflanzensyst. 10: 122 (1783).
- *Onychium japonicum* Blume, Bijdr. Fl. Ned. Ind.: 328 (1825).
- *Dendrobium catenatum* Lindl., Gen. Sp. Orchid. Pl.: 84 (1830).
- *Dendrobium japonicum* (Blume) Lindl., Gen. Sp. Orchid. Pl.: 89 (1830).
- *Dendrobium candidum* Wall. ex Lindl., Edwards's Bot. Reg. 24(Misc.): 36 (1838).
- *Ormostema albiflora* Raf., Fl. Tellur. 4: 38 (1838).
- *Dendrobium spathaceum* Lindl., J. Proc. Linn. Soc., Bot. 3: 15 (1858).
- *Dendrobium castum* Bateman ex Rchb.f., Gard. Chron. 1868: 943 (1868).
- *Callista candida* (Wall. ex Lindl.) Kuntze, Revis. Gen. Pl. 2: 654 (1891).
- *Callista japonica* (Blume) Kuntze, Revis. Gen. Pl. 2: 654 (1891).
- *Callista spathacea* (Lindl.) Kuntze, Revis. Gen. Pl. 2: 655 (1891).
- *Dendrobium yunnanense* Finet, Bull. Soc. Bot. France 44: 419 (1897).
- *Dendrobium zonatum* Rolfe, J. Linn. Soc., Bot. 36: 13 (1903).
- *Dendrobium heishanense* Hayata, Icon. Pl. Formosan. 4: 40 (1914).
- *Dendrobium kosepangii* C.L.Tso, Sunyatsenia 1: 141 (1933).
- *Dendrobium nienkui* C.L.Tso, Sunyatsenia 1: 142 (1933).
- *Dendrobium crispulum* Kimura & Migo, J. Shanghai Sci. Inst. 3: 123 (1936).
- *Dendrobium taiwanianum* S.S.Ying, Quart. J. Chin. Forest. 11(2): 102 (1978).
- *Dendrobium moniliforme* var. *malipoense* L.J.Chen & Z.J.Liu, J. Wuhan Bot. Res. 26: 358 (2008).

Dendrobium moniliforme, of Japan, is the northernmost species of *Dendrobium*. (Gilbert 1960). This *Dendrobium* was first described by Olof Swartz in 1799 and has since been selected as the type of the genus. It is a cool-growing orchid distributed through Japan, Korea and Taiwan. Throughout its wide range there is considerable variation among the forms and colors of both the plants and flowers.

In the wild the plants are epiphytic or lithophytic, and the stems grow in dense tufts. They vary between 10 and 40 cm. long and although slender they are often somewhat thickened towards the middle. They may be green, purple, brown or yellow, the darker forms bearing darker leaves and some of the paler ones bearing variegated leaves. The leaves are always narrow and 3 – 5 cm. long. The inflorescences arise on the older stems after the leaves have fallen, bearing 1-2 flowers each. Flowers are fragrant, 2 – 4.5 cm across, but not always opening fully, white or pink, the lip often somewhat greenish yellow and with brown spots towards the base. (Schelpe and Stewart 1990).

This lovely Orchids have been growing in Japan since the period of the Shoguns. This species of Japanese Dendrobium is called Sekkoku, literally meaning "a plant that grows on the stone", just as the Greek word Dendrobios means. It has also another name, Chosei ran meaning "an orchid that makes men live a long life". (Nagano 1952).

About awards, OrchidWiz X7.1 shown just 1 JC commend for intense dark green foliage with linear cream-colored variegation. Just 1 AM, 1 HCC and 2 CHM.

Regarding hybridization using this lovely orchid, there are 83 offspring first generation and 2,088 total progenies.

Dendrobium Stardust is the most awarded having 14 AOS awards, three AM and seven HCC.

Dendrobium Cassiope is a nice first generation awarded among different orchid society shows 1 HCC/AOS, apparently enhance the shape and color coming from *Den. nobile*. Also inherited floriferousness. This important hybrid has been used to produced 45 offspring first generations with a lot of flowers and maybe compact plants because *Den. moniliforme*.



Photography by Bill Pierson

Dendrobium Cassiope 'Whisper Lavender Lace' HCC/AOS (75 points)
Dendrobium moniliforme x *Dendrobium nobile*

Den. Blue Sparkle is the most awarded cross using *Dendrobium nindii*, 3 AM, 1 HCC and 5 CCM AOS awards.



Photography by Alex Maximiano

Dendrobium Blue Sparkle 'Oka' AM/AOS 82 points
(*Den. Blue Chip* x *Den. gouldii*)

Intense color of the lip passed to the progeny can be considered a positive aspect. As negative aspect can be the dominant recurved segment observed on their hybrids.

References

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