Table S1: Documented subspecies of *A. venetum.*

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| Subspecies | Synonyms | Native range |
| *Apocynum venetum subsp. armenum* (Pobed.) ined. | *Apocynum armenum* Pobed.*Poacynum armenum* (Pobed.) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum armenum* (Pobed.) Pobed.*Trachomitum venetum subsp. armenum* (Pobed.) Rech.f. | Eastern. Türkiye to Iran |
| *Apocynum venetum subsp. basikurumon* (H.Hara) ined. | *Apocynum basikurumon* Hara | Japan |
| *Apocynum venetum subsp. lancifolium* (Russanov) ined. | *Apocynum compressum* Moench;*Nerium antidysentericum* Lepech.*Nerium sibiricum* Medik.*Poacynum lancifolium* (Russanov) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum lancifolium* (Russanov) Pobed. | Southwest. & South. Siberia to Korea |
| *Apocynum venetum subsp. russanovii* (Pobed.) ined. | *Apocynum russanovii* Pobed.*Poacynum russanovii* (Pobed.) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum russanovii* (Pobed.) Pobed.*Trachomitum venetum subsp. russanovii* (Pobed.) Yena & Moysienko | South. Ukraine (Ostriv Dzharylhach).  |
| *Apocynum venetum subsp. sarmatiense* (Woodson) ined. | *Apocynum sarmatiense* (Woodson) Wissjul. *Poacynum kazakevichii* Mavrodiev, Laktionov & Yu.E.Alexeev*Poacynum sarmatiense* (Woodson) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum sarmatiense* Woodson*Trachomitum venetum subsp. sarmatiense* V.E.Avet. | Eastern. & Southeast. Europe to Iran. |
| *Apocynum venetum subsp. scabrum* (Russanov) ined. | *Poacynum scabrum* (Russanov) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum scabrum* (Russanov) Pobed.*Trachomitum venetum subsp. scabrum* (Russan.) Rech.f.*Trachomitum venetum var. scabrum* Kitam. | Iran to Central Asia and Pakistan |
| *Apocynum venetum subsp. tauricum* (Pobed.) ined. | *Apocynum tauricum* Pobed.*Poacynum tauricum* (Pobed.) Mavrodiev, Laktionov & Yu.E.Alexeev*Trachomitum tauricum* (Pobed.) Pobed.*Trachomitum venetum subsp. tauricum* (Pobed.) Greuter & Burdet | Southeast. Krym (Cape St. Ilya) |
| *Apocynum venetum subsp. venetum* | *Apocynum venetum var. ellipticifolium* Bég. & Belosersky*Asclepias rubra* Siev.*Poacynum ellipticifolium* (Bég. & Belosersky) Mavrodiev, Laktionov & Yu.E.Alexeev | Italy |
| *Apocynum venetum var. scabrum* (Bég. & Bél.) Bég. & Bél. |  | Iran to Central Asia and Pakistan. |

Note: the information was sources from World Flora Online (<https://wfoplantlist.org/plant-list/taxon/wfo-0000245931-2022-12>).