

34. HETEROCARYUM A. de Candolle, Prodr. 10: 144. 1846.

异果鹤虱属 yi guo he shi shu

Herbs annual, hirsute, hairs tuberclelike at base. Stems erect or decumbent, branched. Cymes bracteate. Calyx 5-parted to base; lobes enlarged in fruit. Corolla funnelform to campanulate; throat appendages 5, trapeziform. Stamens included. Ovary 4-parted. Style short; stigma capitate. Gynobase columnar, low. Nutlets homomorphic or heteromorphic, dorsiventrally compressed, firmly coherent to gynobase along entire adaxial surface; abaxially discoid, with prickles or other appendages.

About seven species: C to SW Asia; one species in China.

1. *Heterocaryum rigidum* A. de Candolle, Prodr. 10: 145. 1846.

异果鹤虱 yi guo he shi

Echinosperrum heterocaryum Bunge; *E. szovitsianum* Boissier.

Stems usually single, erect, 10–25 cm tall. Leaves gray-green, linear, 1–3 cm × 1–2 mm. Pedicel to 1.2 cm in fruit; bracts linear. Flowers pedicellate. Calyx lobes linear, ca. 2.5 mm, slightly enlarged in fruit, pubescent. Corolla blue-purple, somewhat longer than calyx; tube ca. as long as limb, with 5 longitudinal keels outside; throat distinctly constricted, appendages ca. 0.4 mm; lobes of limb ovate-lanceolate, apex obtuse. Stamens inserted at middle of corolla tube; anthers ovate, ca. 0.4 mm. Style ca. 0.6 mm. Nutlets narrowly ovate, 5–6 mm; disc with 1 row of glochids along margin, tuberculate at middle. Fl. and fr. Apr-Jun.

Deserts. C and W Xinjiang [Afghanistan, Kazakhstan, Kyrgyzstan, Pakistan, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia].

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