

GARHADIOLUS HEDYPNOIS, Nob.

GARHADIOLUS, Nob. — RHAGADIOLI species, Fisch. et Mey. — D. C. — KOELPINIÆ species, C. H. Schultz, Bip.

CALATHIDIA 7-20-flora, homogama, heterocarpa. ANTHODIUM squamulis 3-7 minimis adpressis uniserialibus herbaceis calyculatum, subcampanulatum, 5-14-phyllum, uniserialia, accrescens, fructiferum induratum et substellatim patenti-erectum, per maturationem nunquam clausum; foliola æqualia, navicularia, sublinearia, denticulato-ciliolata, in appendiculum membranaceum cucullatum obtusiusculum desinentia, dorso carinulata nunc undique nunc nonnisi ad carinam setulis brevibus rigidis crassis inaccrescentibus aculeolata, sub anthesi carnosio-herbacea crassiuscula membranaceo-marginata, basi demum articulata et una cum achæniis antepositis decidua. RECEPTACULUM parvulum, disciforme, subconcauum, glabrum, nudum, alveolatum. FLORES pauciserialia, peripherici foliolis anthodii singulatim antepositi et ex parte amplexi. COROLLÆ flavæ, glabræ, subæquales; tubus brevissimus, filiformis; ligula cuneato-linearis, apice truncato inæquiprofunde 5-dentata; dentibus brevibus obtusis, apice callosis, dorso dense papillois. STAMINA corollæ ligula subduplo breviora. FILAMENTA glaberrima, capillaria, antheris subæquilongæ. ANTHERÆ lineares, basi sagittato-auriculatæ: auriculis subulatis, subintegerrimis, plus minusve concretis, articulo antherifero paulo longioribus; appendices-apiculares brevissimi, membranacei, rotundati. STYLUS stamina plus minusve superans, corolla brevior, capillaris, secus apicem sursum hirtellus. STIGMATA capillari-filiformia, obtusa, longiuscula, deorsum arcuata, dorso puberula. OVARIUM minutum, teretiusculum, columnare, rectum (sub anthesi), estipitatum, erostre, in collum breve (postea accrescens) robustum disco annulari pappigero superatum angustatum, floribus periphericis glabrum anthodii foliolo cui antepositum amplexum istoque per dorsum a basi ad medium adnatum, floribus disci dorso papilloso-hirtellum. NECTARIUM breve, cyathiforme, ore crenulatum. PAPPUS e disci-apiculari margine ortus, brevissimus (oculo nudo vix conspicuus), persistens, inaccrescens, pluriserialis, constans e setulis inæqualibus crassiusculis cylindraceis obtusis integerrimis albidis patentissimis. ACHÆNIA heteromorpha (peripherica inter se conformia interioribus variabilibus dissimilia), decidua (peripherica una cum anthodii foliolis), subcoriacea, lævigata, ecostata, estriata v. obsolete striatula, opaca, teretiuscula (centralia interdum compressa), omnia plus minusve introrsum arcuata et sursum sensim in rostrum crassum continuum disco-apiculari pappigero superatum attenuata, basi concava quasi in cyathulum expansa. *Achænia peripherica* glabra, interioribus majora et crassiora, anthodii foliolis subæquilongæ iisque infra medium adnata, a basi ad medium paulove altius recta et columnaria, superne arcuatim incurva. *Achænia disci* citius decidua, periphericis pauciora (interdum abortu nulla) et breviora simulque tenuiora (nihilominus æque fertilia), subfiliformia, varie incurva (circinnata, v. hippocrepidoidea, v. semi-circularia, v. annularia, v. mere apice incurva, in eodem calathidio nunc subuniformia nunc plus minusve dissimilia), facie glabra, dorso papilloso-hirtella. SEMEN adhærens, filiforme, achænio (ob collum) brevius, plus minusve incurvum.

Plantæ annuæ, dichotomæ, setulis simplicibus rectis plus minusve hirtellæ, plerumque pluri-caules. RAMI RAMULIQUE ad nodulos et secus apicem demum clavato-incrassati, parce foliati v. aphylli. Ramuli ultimi pedunculiformes, ebracteolati, monocephali, demum elongati rigidi. FOLIA sinuato-v. eroso-dentata v. sinuato-pinnatifida (dentibus v. laciniis obtuse calloso-mucronatis), tenuia: radicalia petiolata, subrosulata; reliqua pleraque sessilia, basi autem angustata nec unquam auriculata; summa ad squamulas minutas reducta. CALATHIDIA solitaria, remota, alia lateralia v. extra-alaria, subsessilia, folio v. isto deficiente squamula opposita, alia ramillulum pedunculiformem plus minusve elongatum terminantia.

Garhadioli generumque proxime affinium characteres sequenti elucidantur analysi:

A. *Achænia estriata v. obsolete striatula, inermia, aut calva aut pappo minimo e setulis clavatis v. cylindræis obtusis patentissimis constante coronata, cæterum heteromorpha; peripherica inter se conformia anthodii foliolis induratis accretis quibus singulatim anteposita aut obvoluta aut adnata vixque æquilonga (nisi breviora), interioribus variiformibus dissimilia et majora.*

RHAGADIOLUS, Tourn. — *Achænia peripherica recta v. parum inflexa, calva, anthodii foliolis subbreviora et obvoluta at inadhærentia, demum una cum istis patentissima.* — Calathidia omnia ramillulo pedunculiformi plus minusve elongato et deflexo sub anthodio vix aut ne vix incrassato suffulta. Receptaculum demum peltatum.

GARHADIOLUS, Nob. — *Achænia omnia inflexa et pappigera; peripherica infra medium anthodii foliolis adnata, una cum istis stellatim patentem-erecta, sursum exserta. Calathidia alia alaria (v. ramuli abortu lateralia) subsessilia, alia terminalia ramillulo pedunculiformi plus minusve elongato indeflexo sursum incrassato et receptaculi diametrum subæquante suffulta.*

B. *Achænia isometra, uniformia, conspicue striata, aculeis glochidiatis patentibus seriatim dispositis echinata, pappo coriaceo cyathiformi 7-9-glochidiato coronata (fere Valerianellæ uncinatæ calycis instar): peripherica anthodii foliolis vix aut ne vix accretis deflexis multo longiora et istis nec adnata nec obvoluta.*

KOELPINIA, Pallas. (Confer tab. 286.)

CONSPECTUS SPECIERUM.

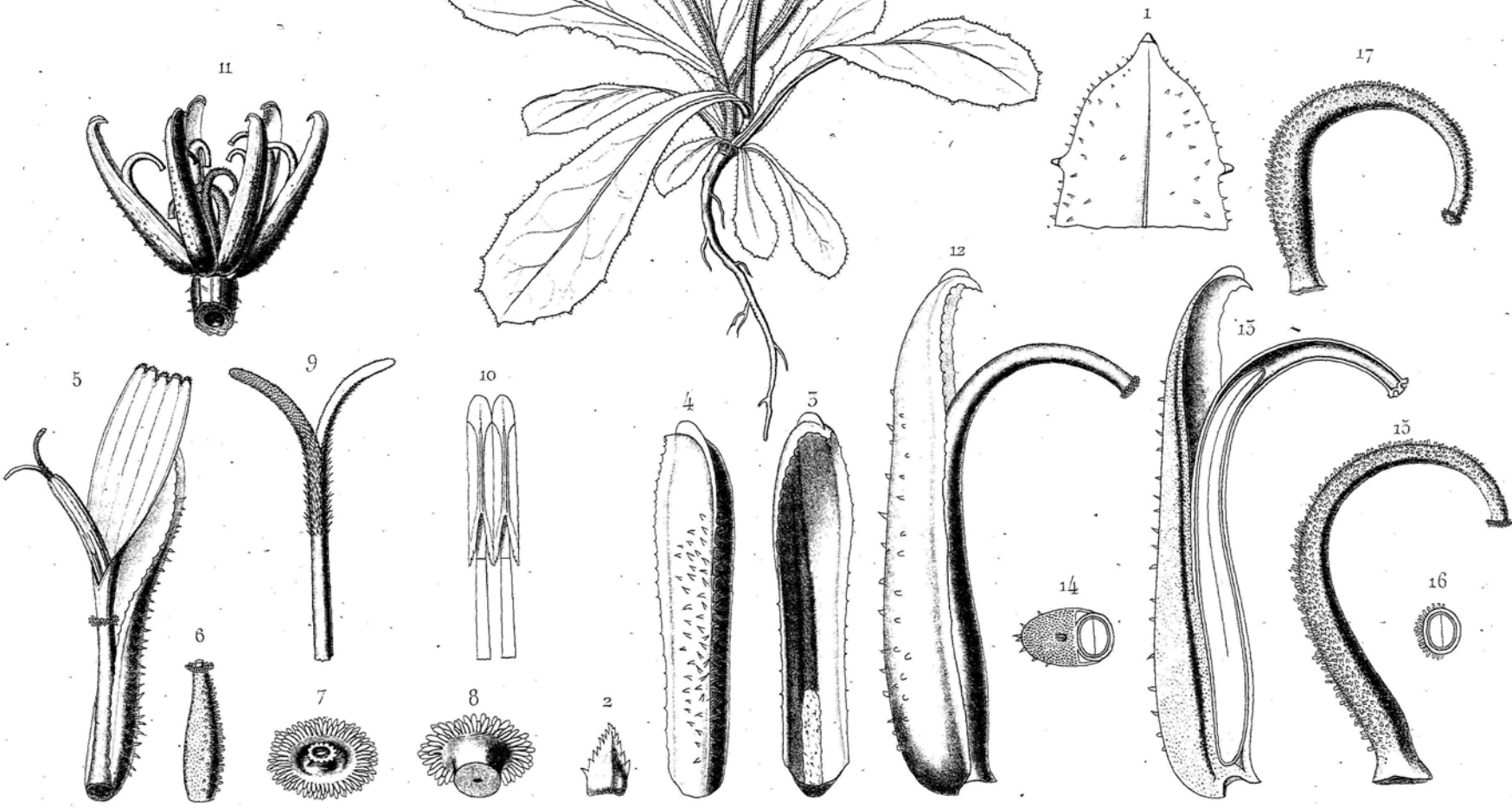
GARHADIOLUS HEDYPNOIS, Nob. — Rami et ramuli fistulosi, teretes, striatuli, demum conspicue incrassati. Calathidia 7-11-flora. Anthodium 5-8-phyllum. Achænia disci setulis clavatis v. subcylindræis (apice haud capitellatis) hirtella.

GARHADIOLUS ANGULOSUS, Nob. (tab. 285.) — Rami et ramuli farcti, parum incrassati, conspicue angulosi. Calathidia 9-20-flora. Anthodium 7-14-phyllum. Achænia disci setulis apice capitellatis hirtella.

GARHADIOLUS HEDYPNOIS, Nob.

RHAGADIOLUS HEDYPNOIS, Fisch. et Mey. l in D. C. *Prodr.*, vol. 7, p. 78; et *Index IV seminum Horti Bot. Imp. Petropol.*, p. 46. — Ledeb., *Flor. Ross.*, vol. 2, p. 772.

Planta setulis patentibus v. retrorsis simplicibus plus minusve hirtella, plerumque pluricaulis, habitu *Hedypnoidi creticæ* quodammodo similis. RADIX subsimplex v. parce ramosa, gracilis v. filiformis, perpendicularis. CAULIS erecti (dum exiles) v. (dum plures) ascendentes aut subdiffusi, graciles, plus minusve flexuosi, angulosi, remote foliati, plus minusve dichotomi, vegetiores demum 1/2-1-pedales, speciminibus hebetatis pauci-pollicares. RAMI plus minusve divergentes (interdum divaricati v. reclinati), simplices v. dichotome ramulosi, parce foliati v. aphylli, simulac ramuli fistulosi, striati, subteretes, ad nodulos subclavato-incrassati et plerumque deficiente folio squamula minuta herbacea ovata v. ovato-lanceolata acuminata instructi. RAMULI ultimi nunc stricti nunc subarcuati, sub anthodio fructifero constricti, demum 6-15 lineas longi et sursum conspicue clavati. FOLIA tenuia, saturate viridia, 1-nervia, parce venosa, nunc supra subtusque nunc solum ad marginem et



Gontier del.

Picart sc.

Gurkadiolus Hedynois. Jaubert et Spach.