

# ARUM GIGANTEUM (ARACEAE), A NEW SPECIES FROM

## W. IRAN

### A. Ghahreman

Ghahreman, A. 1983 04 01: *Arum giganteum* (Araceae), a new species from W. Iran. — *Iran. Journ. Bot.* 2(1): 79–81 Tehran.

*Arum giganteum* is described as a new species from W. Iran near Ilam. The new species resembles *A. elongatum* Steven, but differs in the different size and shape of spathe.

Ahmad Ghahreman, University of Tehran, Faculty of Science, Department of Biology, Tehran, Iran.

گونه جدید *Arum giganteum* (Araceae) از غرب ایران

از: قهرمان

گونه جدید *Arum giganteum* از غرب ایران در نزدیکی ایلام شرح داده میشود. این گونه شبیه گونه *A. elongatum* Steven است ولی در شکل و اندازه اسپهات با آن اختلاف دارد.

**Arum giganteum** Ghahreman, sp. nov.

2 -4 and superiors in 2 - 3 series.

Planta tuberosa, 80-120 cm alta; tuber subglobosum. Petiolus lamina longior vel ei subaequilongus, in tertia parte inferiore dilatatus vaginatus; lamina hastato - sagittata. Pedunculus petiolo longior, 35-40 cm longus. Spathae tubus subcylindricus, virido - albescens; lamina in statu naturali inaperta, lanceolata, acuminata, in medio 12-15 cm lata, utrinque atro - purpurea - infuscata. Spadix spatha subaequilongus, 45-80 cm longus. in medio 5-8 cm crassus, totus inclusus; Zona flores feminei masculis duplo longiora; flores steriles rudimentales e parte basali globosi in subulas tenues filiformes contractos; inferiores 2-4 seriales et superiores 2-3 seriales.

Typus: Iran, between Islamabad-e Gharb and Ilam (63 km to Ilam), montane forest of *Quercus*, Ghahreman 2558 (holotypus Faculty of Science in Tehran University, isotypus TARI).

Plant with a tuber, 80-120 cm; tuber subglobose. Petiole longer than lamina or subequal, dilatate vaginate at third basal part; lamina hastate - sagittate. Peduncle longer than petioles, 35-40 cm long. Tube of spathe subcylindric, greenish white; lamina in natural state not opening, lanceolate, acuminate, at medium 12-15 cm broad, dark purplish brown at both sides. Spadix nearly as long as spathe, 45-80 cm long, at medium 5-8 cm thick, completely enclosed in spathe; zone of female flowers double longer than the zone of male flowers; rudimentary sterile flowers globose at base, subulate thin filiform in the upper part, inferiors in

*Arum giganteum* is characterized by its robust habit up to 120 cm and spathe lamina which is not opening in natural state. It resembles *A. elongatum* Steven, but spathe much longer up to 80 cm (in *A. elongatum* up to 25 cm); lamina much broader and not long acuminate.

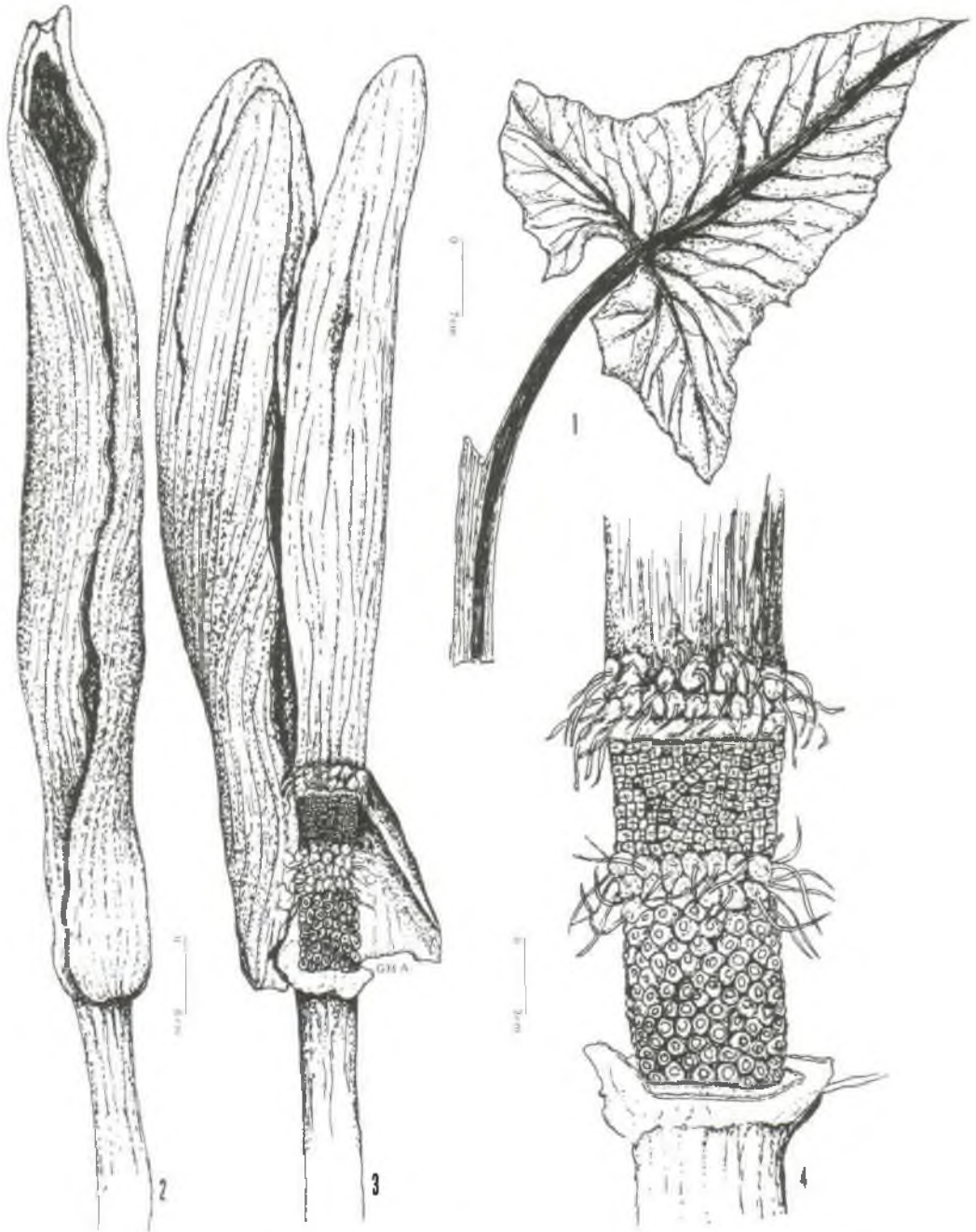


Fig. 1. *Arum giganteum*. (1. leaf. -2 spathe in natural state. -3. spadix. -4. female , male and sterile flowers).