

5 January 2025

HETEROGYNA

Heterogyna Nagy, 1969:300. Type species: *Heterogyna protea* Nagy, 1969, by original designation and monotypy. Junior valid homonym of *Heterogyna* Chapman, 1898:141, an incorrect subsequent spelling of *Heterogynis* Rambur, 1837.

Daycatinca Argaman, 1985:7. Type species: *Heterogyna fantsilotra* Day, 1984, by original designation. Synonymized with *Heterogyna* by Melo, 1999:34.

Daya Antropov and Gorbatovskiy, 1992:58 (as subgenus of *Heterogyna*). Type species: *Heterogyna madecassa* Day, 1984, by original designation. Junior invalid homonym of *Daya* Bleeker, 1877, which is a junior synonym of *Pristotis* Rüppell, 1838 (Pisces, Pomacentridae).

Keys: Argaman, 1985:10; Ohl and Bleidorn, 2006 (Palearctic species); Soliman, Gadallah, Ohl, and Al Dhafer, 2017:2069 (species of Arabian Peninsula).

Review: Ohl, 2004a. Phylogenetic position: Brothers, 1974:352 (included *Heterogyna* into Plumariidae); Ohl and Bleidorn, 2006.

1. *botswana* Day

Heterogyna botswana Day, 1984:305, ♂. Holotype: ♂, Botswana: Serowe (BMNH). – Ohl, 2004a:68 (in list of described *Heterogyna*).

2. *fantsilotra* Day

Heterogyna fantsilotra Day, 1984:306, ♂. Holotype: ♂, Madagascar: Toliara: Bereboka (BMNH). – Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Ohl, 2004a:68 (in list of described *Heterogyna*); Madl, 2014a:961 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records). – As *Daycatinca fantsilotra*: Argaman, 1985:8 (new generic assignment), 10 (in key).

3. *kugleri* Argaman

Heterogyna kugleri Argaman, 1985:8, ♀. Holotype: ♀, Israel: Nazareth (Q. Argaman coll., Bet Dogan, Israel). – Ohl, 2004a:68 (in list of described *Heterogyna*).

4. *madecassa* Day

Heterogyna madecassa Day, 1984:305, ♂. Holotype: ♂, Madagascar: Toliara: Bereboka (BMNH). – Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Ohl, 2004a:68 (in list of described *Heterogyna*); Madl, 2014a:961 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records). – As *Daycatinca madecassa*: Argaman, 1985:8 (new generic assignment), 10, 11 (in key).

5. *nocticola* Ohl

Heterogyna nocticola Ohl in Ohl and Bleidorn, 2006:328, ♀, ♂. Holotype: ♂, Oman: desert southwest of Daghmar at 23°09.2'N 58°58.2'E (CAS). – Ohl, 2008:404 (first record from United Arab Emirates, redescription, color illustrations); Soliman, Gadallah, Ohl, and Al Dhafer, 2017:2069, 2075 (in key to *Heterogyna* of Arabian Peninsula, color illustrations); Gadallah, 2020c:75 (in list of aculeate wasps of Arabian Peninsula).

6. *polita* Antropov and Gorbatovskiy

Heterogyna polita Antropov and Gorbatovskiy, 1992:53, ♂. Holotype: ♂, Turkmenistan: Firyuza in Kopetdagh (ZMMU). – Ohl, 2004a:68 (in list of described *Heterogyna*).

7. *protea* Nagy

Heterogyna protea Nagy, 1969:300, ♂. Holotype: ♂, Greece: Rhodes: Ixia (originally Q. Argaman coll., formerly C.G. Nagy, Bet Dagan, Israel, now?). – Day, 1984:305 (redescription), 1985a:125 (redescription); Antropov and Gorbatovskiy, 1992:57 (comparison with *Heterogyna polita*); Ohl, 2004a:68 (in list of described *Heterogyna*); Soliman, Gadallah, Ohl, and Al Dhafer,

2017:2077 (color illustrations of male); Bitsch in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:69 (in Sphecidae Fauna of Europe).

8. *ravenala* Day

Heterogyna ravenala Day, 1984:306, ♂. Holotype: ♂, Madagascar: Tamatave: Périnet, now Andasibé (BMNH). – Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Ohl, 2004a:68 (in list of described *Heterogyna*); Madl, 2014a:962 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Madagascar, with synonymy and locality records). – As *Daycatinca ravenala*: Argaman, 1985:8 (new generic assignment), 10, 11 (in key).

9. *saudita* Gadallah and Soliman

Heterogyna saudita Gadallah and Soliman in Soliman, Gadallah, Ohl, and Al Dhafer, 2017:2078, ♀, ♂. Holotype: ♀, Saudi Arabia: EL Riyadh: Wadi Hanifa at 24.8675°N 46.45833°E (King Saud University Museum of Arthropods, EL Riyadh, Saudi Arabia). – Soliman, Gadallah, Ohl, and Al Dhafer, 2017:2069 (in key to *Heterogyna* of Arabian Peninsula); Gadallah, 2020c:75 (in list of aculeate wasps of Arabian Peninsula).

sp.

Ohl, 2004 (five species from Madagascar listed).