

Cladomyrma nudidorsalis, new species

Figures 15, 27

DIAGNOSIS: **Major worker.** AL 0.90–1.14, HL 0.94–1.14, HW 0.81–0.94, EL 0.18–0.22, SL 0.44–0.54, CI 86–92, EI 19–22, SI 49–54 (n = 4). Small body size; clypeus angulate with longitudinal striae; metapleural gland orifice small; body color brown with mandibles and other appendages slightly lighter colored; gastral pubescence long and dense. **Minor worker.** AL 0.76–0.88, HL 0.67–0.76, HW 0.52–0.67, EL 0.13–0.16, SL 0.36–0.40, CI 78–90, EI 23–25, SI 54–69 (n = 7). Small body size; metapleural gland orifice small; body color brown to light yellowish brown; gastral pubescence long and dense. **Queen.** AL 2.20–2.40, HL 1.38–1.58, HW 1.18–1.26, EL 0.46–0.49, SL 0.62–0.68, CI 80–86, EI 39, SI 53–54 (n = 2). Clypeus gently rounded in profile, otherwise slightly longitudinally striate laterally; head uniformly yellowish brown; dorsum of alitrunk without any erect hairs; metapleural gland orifice small, with a bunch of large setae in front of it; petiole low, dorsally truncated; gastral tergites 2 to 4 with erect hairs only on the posterior margin; erect hairs on gastral tergite 1 only; in the anterior face and along the posterior margin; body color bright yellowish brown with posterior parts of tergites black. **HOLOTYPE:** Queen AL 2.40, HL 1.56, HW 1.24, EL 0.50, SL 0.70, CI 86, EI 39, SI 53.

COMMENTS: This species is easily recognized in the queen by the lack of erect hairs on the dorsum of the alitrunk and the very short hairs on the gastral tergites, unique characters within the genus. However, other queen characters are very similar to those of *petalae* (e.g., size, body color, petiole, pubescence), and the distinction from *petalae* is mainly based on the difference of the distribution of setae, a rather variable character in *petalae*. Another trait may prove to be of importance: the workers of *nudidorsalis* tend to be of a lighter body color than *petalae*, but a larger sample size is needed to assess possible variation.

BIOLOGY AND DISTRIBUTION: This is a species known from two records, one from Fraser's Hill in West Malaysia, collected in *Drypetes longifolia*, and the other from Belum, near the Thai border, collected in *Ryparosa fasciculata*. So far the species seems to be much less common than the syntopic *petalae*.

MATERIAL EXAMINED: **HOLOTYPE:** W-MALAYSIA, Perak, Gerik, Lake Temenggor, Belum, 3/1/1994, Joachim Moog, 94-086, ex: *Ryparosa fasciculata*, alt.: ca 650 m, colony size small, AMNH. **PARATYPES:** W-MALAYSIA, Pahang, Fraser's Hill, 2/22/1994, Joachim Moog, 94-070, ex: *Drypetes longifolia*, alt.: ca. 850 m, colony size: 660 worker in total, AMNH, FRIM, NHM, and collections of the others.

Cladomyrma petalae Agosti

Figures 6, 10, 17, 18, 29, 30

Cladomyrma petalae Agosti, 1991: 308. Holotype queen, W-MALAYSIA, Selangor, Ulu Gombak, 1/12/1990, Joachim Moog, ex: *Saraca thaipingensis*, BMNH.

Cladomyrma mossyna Agosti, 1991: 307. Holotype queen, W-MALAYSIA, Selangor, Ulu Gombak, 11/1/1988, Ulrich Maschwitz, #873, ex: *Saraca thaipingensis*, NHM. new syn.

DIAGNOSIS: **Major worker.** AL 0.86–1.42, HL 0.86–1.24, HW 0.78–1.16, EL 0.16–0.23, SL 0.38–0.60, CI 84–95, EI 18–21, SI 47–53 (n = 18). Clypeus with longitudinal sculpture; gastral pubescence dense and regular; erect pilosity all over alitrunk, without a distinct increase on the propodeum; short, erect hairs on gaster, mainly along posterior margin of tergites, but with scattered hairs in between; erect hairs white. **Minor worker.** AL 0.60–0.98, HL 0.63–0.86, HW 0.53–0.82, EL 0.12–0.18, SL 0.31–0.44, CI 84–95, EI 19–26, SI 48–65 (n = 18). Clypeus without longitudinal sculpture, smooth; few long erect hairs on dorsal face of propodeum; very dense decumbent pubescence on gaster; body color dark brown, with propodeum and petiole slightly brighter; small body size. **Queen.** AL 2.26–2.56, HL 1.42–1.56, HW

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Figs. 24–35. Head of queens in full frontal view. 24–30. Depressed petiole group: 24. *andrei*; 25. *hobbyi*; 26. *maschwitzii*; 27. *nudidorsalis*; 28. *yongi*; 29. *petalae*, dark form; 30. *petalae*, yellow form. 31–35. Raised petiole group: 31. *aurochaetae*; 32. *crypteroniae*; 33. *dianae*; 34. *hewitti*; 35. *maryatia*.