

Six new *Pyramica* species from Suriname (Hymenoptera: Formicidae)

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Abstract: Six new *Pyramica* species from Suriname are described: *Pyramica amrishi* sp. nov., *P. aschnae* sp. nov., *P. aschnakiranae* sp. nov., *P. kiranae* sp. nov., *P. rishwani* sp. nov. and *P. wani* sp. nov. A key to the newly described species is provided.

Introduction

In this paper the first species of *Pyramica* Roger, 1862 (Formicidae: Hymenoptera) from Suriname are described: *Pyramica amrishi* sp. nov., *Pyramica aschnakiranae* sp. nov., *Pyramica kiranae* sp. nov., and *Pyramica rishwani* sp. nov. are described from Mount Kasikasima, *Pyramica aschnae* sp. nov. is described from Carolina Creek and *Pyramica wani* sp. nov. is described from Nieuw Amsterdam. The holotypes of all species are deposited in the collections of the University of Suriname, Department of Entomology, Paramaribo, Suriname.

***Pyramica amrishi* sp. nov. (Figs. 1, 2)**

Holotype: worker, Suriname, Kasikasima, 27.3.1996, coll. D. Makhan. Paratypes: 3 workers.

Description (holotype worker): Length 1.7 mm. Colour dark-brown. Total head length 0.7 mm, width 0.6 mm, with fine hairs and with spatulate hairs. Mandible length 0.2 mm, short, with 3 large inner teeth and with fine hairs. Eyes small. Antennae dark-brown, scape with spatulate hairs. Mesosoma length 0.6 mm, width 0.35 mm, with fine hairs. Petiole width 0.15 mm, postpetiole width 0.11 mm, hairs absent. Spongiform appendages absent. Gaster length 0.6 mm, width 0.5 mm, with spatulate hairs.

Etymology: This species is named after my son Amrish Makhan.

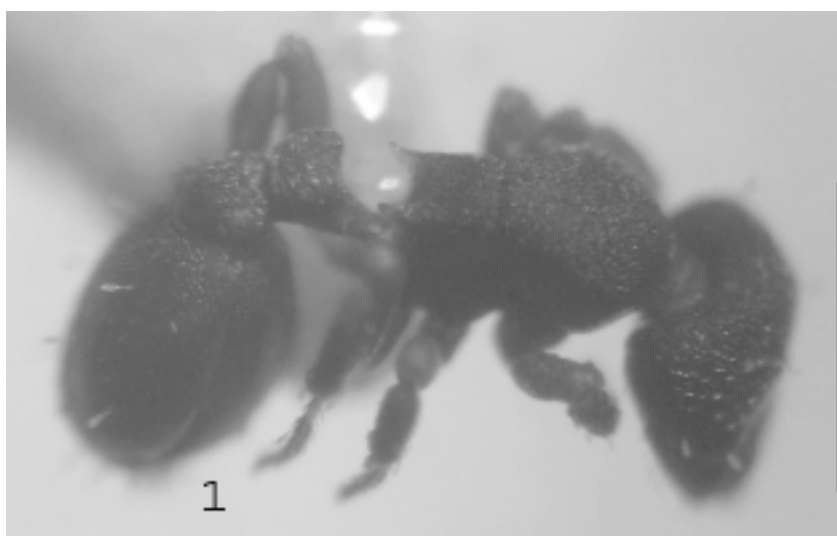


Fig. 1. *Pyramica amrishi* sp. nov. (worker holotype). Habitus (scale line = 0.7 mm).

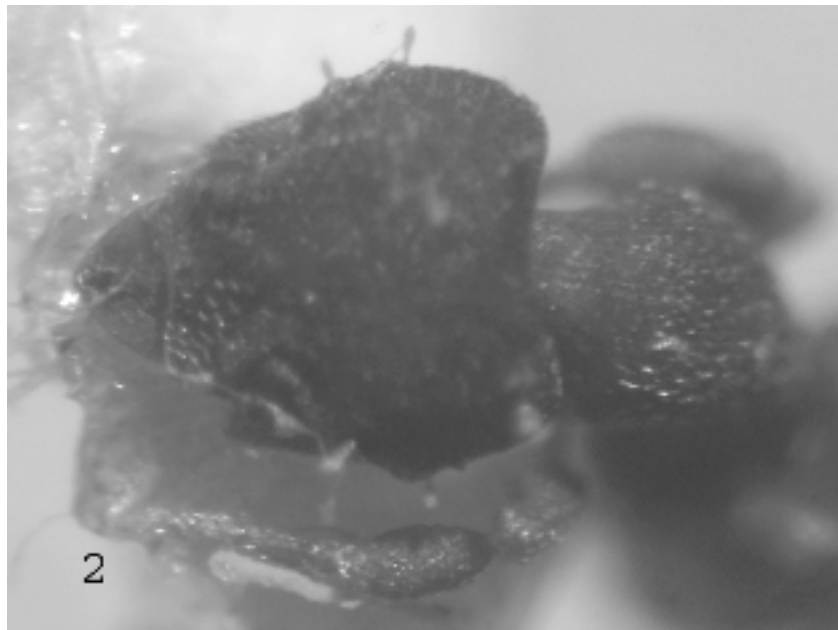


Fig. 2. *Pyramica amrishi* sp. nov. (head of worker holotype).

***Pyramica aschnae* sp. nov. (Figs. 3, 4)**

Holotype: worker, Suriname, Carolina Creek, 6.4.1996, coll. D. Makhan (only the holotype).

Description (holotype worker): Length 1.95 mm. Colour yellow-brown. Total head length 0.9 mm, width 0.4 mm, with fine hairs. Mandible length 0.41 mm, with 6 small inner teeth and with fine hairs. Eyes large. Antennae yellow-brown, scape with fine hairs. Mesosoma length 0.5 mm, width 0.22 mm. Petiole width 0.05 mm, postpetiole width 0.1 mm, with fine hairs. Spongiform appendages absent. Gaster length 0.4 mm, width 0.3 mm and with fine hairs.

Etymology: This species is named after my daughter Aschnakiran Makhan.



Fig. 3. *Pyramica aschnae* sp. nov. (worker holotype). Habitus (scale line = 0.4 mm).

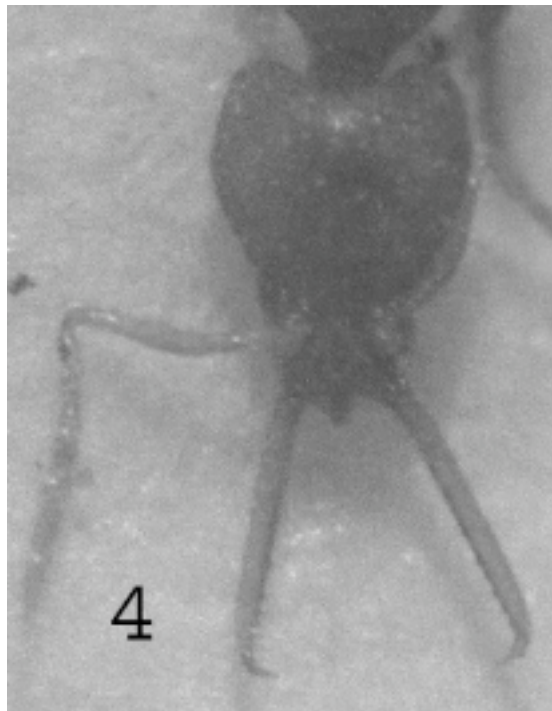


Fig. 4. *Pyramica aschnae* sp. nov. (head of worker holotype).

***Pyramica aschnakiranae* sp. nov. (Figs. 5, 6)**

Holotype: worker, Suriname, Kasikasima, 27.3.1996, coll.D. Makhan. Paratypes: 9 workers.

Description (holotype worker): Length 2.10 mm. Colour yellow-brown. Total head length 0.9 mm, width 0.4 mm, with thick hairs, mandible length 0.4 mm and with 9 small inner teeth. Eyes large. Antennae yellow-brown, scape with thick hairs. Mesosoma 0.45 mm, width 0.31 mm, with thick hairs. Petiole width 0.15 mm, postpetiole width 0.11 mm, with thick hairs. Spongiform appendages absent. Gaster length 0.6 mm, width 0.45 mm, with thick hairs.

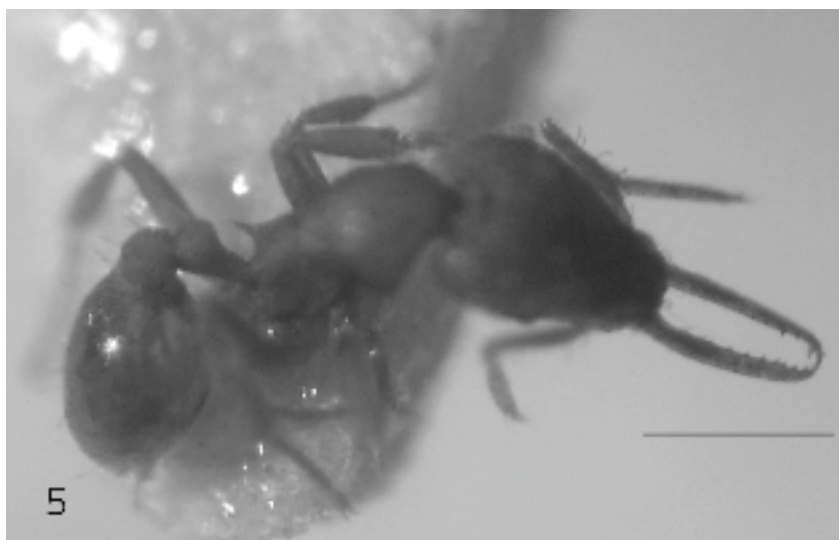


Fig. 5. *Pyramica aschnakiranae* sp. nov. (worker holotype). Habitus (scale line = 0.4 mm).

Etymology: This species is named after my daughter Aschnakiran Makhan.

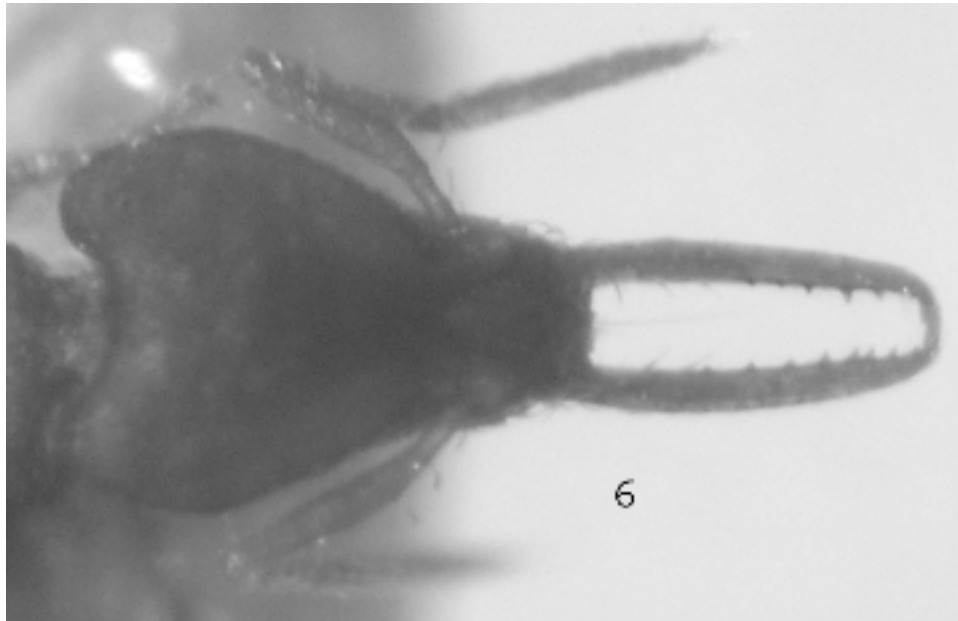


Fig. 6. *Pyramica aschnakiranae* sp. nov. (head of worker holotype).

***Pyramica kiranae* sp. nov. (Figs. 7, 8)**

Holotype: worker, Suriname, Kasikasima, 27.3.1996, coll. D. Makhan. Paratypes: 6 workers.

Description (holotype worker): Length 2.0 mm. Colour yellow-brown. Total head length 0.7 mm, width 0.6 mm, with spatulate hairs, mandible length 0.35 mm, long, with 5 inner teeth, curved to anterior side and with thick hairs. Eyes small. Antennae yellow-brown, scape with spatulate hairs. Mesosoma length 0.4 mm, width 0.32 mm, with spatulate hairs. Petiole length 0.1 mm, postpetiole width 0.11 mm, with spatulate hairs. Spongiform appendages absent. Gaster length 0.6 mm, width 0.15 mm, with spatulate hairs.

Etymology: This species is named after my daughter Aschnakiran Makhan.

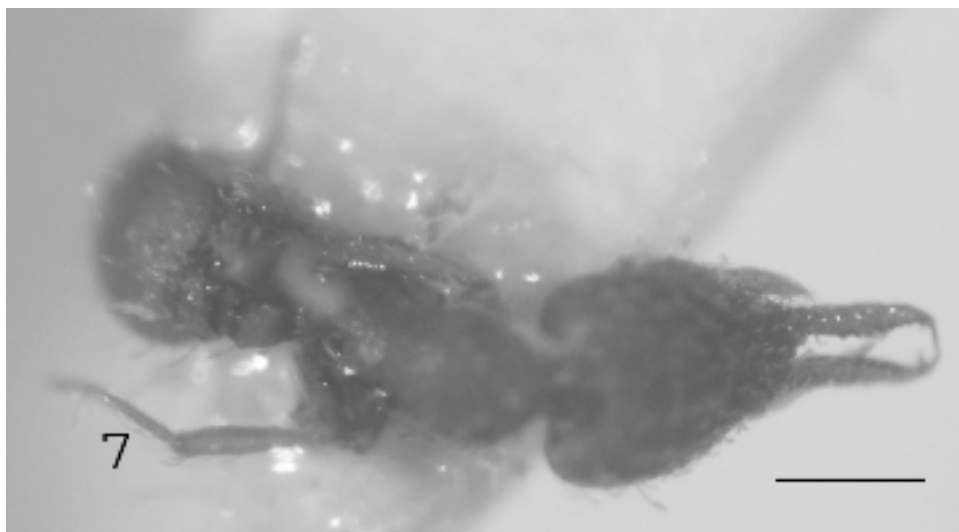


Fig. 7. *Pyramica kiranae* sp. nov. (worker holotype). Habitus (scale line = 0.3 mm).

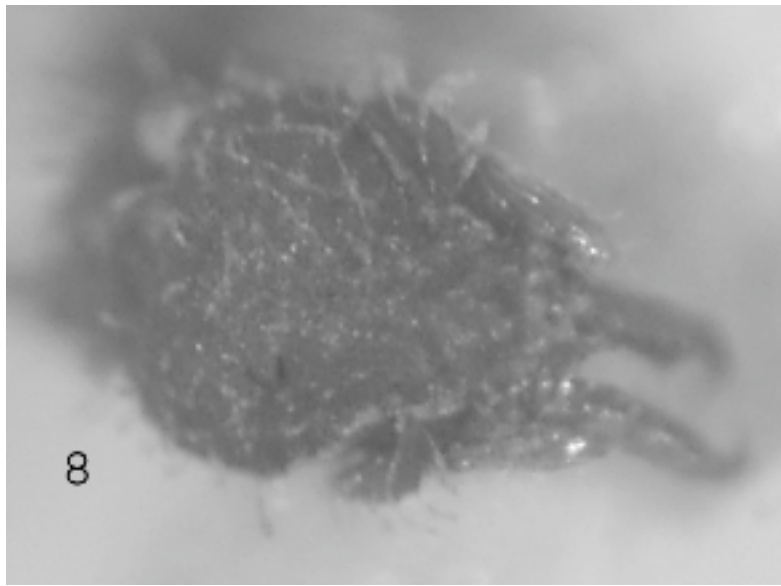


Fig. 8. *Pyramica kiranae* sp. nov. (head of worker holotype).

***Pyramica rishwani* sp. nov. (Figs. 9, 10)**

Holotype: worker, Suriname, Kasikasima, 27.3.1996, coll.D. Makhan. Paratypes: 2 workers.

Description (holotype worker): Length 2.6 mm. Colour yellow-brown. Total head length 0.7 mm, width 0.6 mm mandible length 0.4 mm, large, inner teeth absent and with thick hairs. Eyes small. Antennae yellow-brown, scape with spatulate hairs. Mesosoma 0.7 mm - 0.4 mm, with thick hairs. Petiole width 0.1 mm, postpetiole 0.15 mm, with thick hairs. Spongiform appendages absent. Gaster length 0.7 mm, width 0.6 mm, with thick hairs.

Etymology: This species is named after my son Rishwan Makhan.

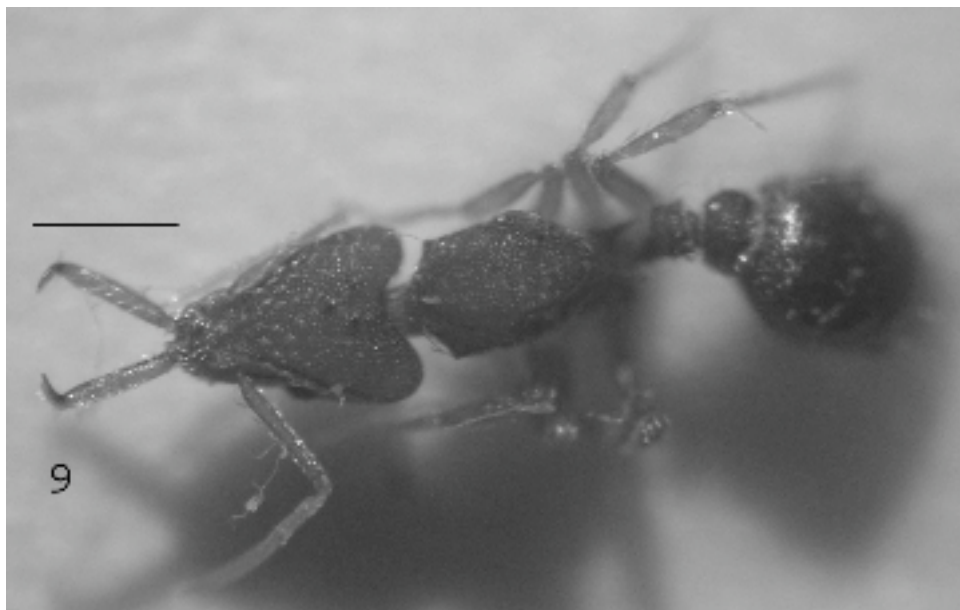


Fig. 9. *Pyramica rishwani* sp. nov. (worker holotype). Habitus (scale line = 0.4 mm).

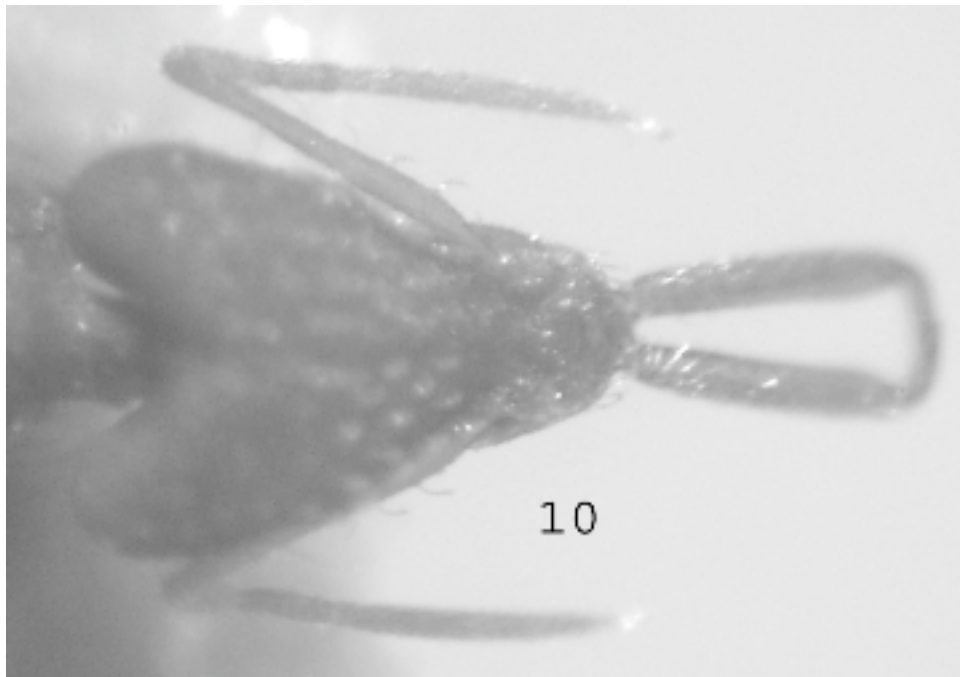


Fig. 10. *Pyramica rishwani* sp. nov. (head of worker holotype).

***Pyramica wani* sp. nov. (Figs. 11-12)**

Holotype: worker, Suriname, Nieuw Amsterdam, 30.3.1996, coll.D. Makhan (only the holotype).

Description (holotype worker): Length 1.8 mm. Colour yellow-brown. Total head length 0.7 mm, width 0.45 mm, with spatulate hairs. mandible length 0.25 mm, large, inner teeth absent and with thick hairs. Eyes large. Antennae yellow-brown, scape with spatulate hairs. Mesosoma length 0.5mm, width 0.3 mm, with spatulate hairs. Petiole with 0.1 mm, postpetiole width 0.15 mm, with spatulate hairs. Spongiform appendages absent. Gaster length 0.5 mm, width 0.4 mm, with spatulate hairs.

Etymology: This species is named after my son Rishwan Makhan.



Fig. 11. *Pyramica wani* sp. nov. (worker holotype). Habitus (scale line = 0.4 mm).

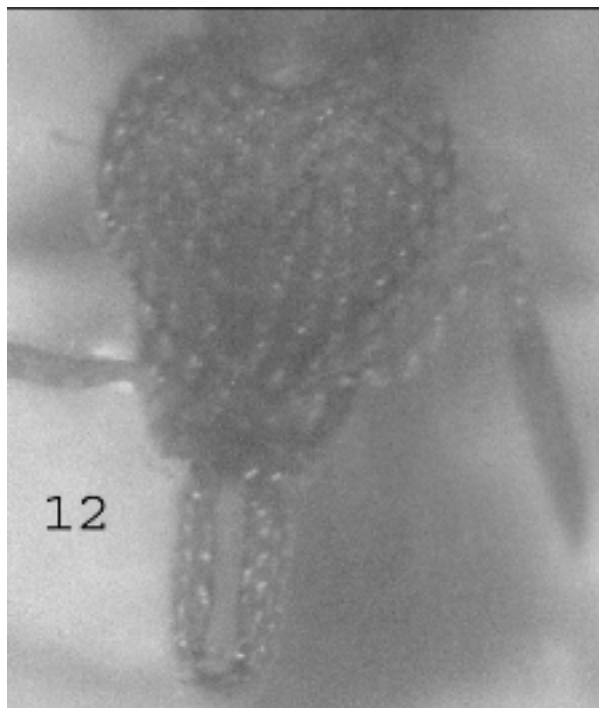


Fig. 12. *Pyramica wani* sp. nov. (head of worker holotype).

Key to the new species of *Pyramica* from Suriname

- A. Mandible short and wide.....*Pyramica amrishi* sp. nov.
- B. Mandible long and narrow.....
 - C. With five inner teeth.....*Pyramica kiranae* sp. nov.
 - D. With six inner teeth.....*Pyramica aschnae* sp. nov.
 - E. With nine inner teeth.....*Pyramica aschnakiranae* sp. nov.
 - F. Inner teeth absent.....
 - G. Face with densely spatulate hairs.....*Pyramica wani* sp. nov.
 - H. Spatulate hairs not densely.....*Pyramica rishwani* sp. nov.

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Reference

Roger, J. (1862). Einige neue exotische Ameisen-Gattungen und Arten. *Berliner Entomologische Zeitschrift*, 6: 233-254.

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