

20. Gaster lighter in colour than head and mesosoma; third antennal segment distinctly longer than second segment
*L. roberti* Forel
 — Gaster unicolorous with head and mesosoma; second and third antennal segment subequal
*L. roberti coonoorensis* Forel
21. Cephalic dorsum coarsely punctate22
 — Cephalic dorsum smooth and shining without punctures24
22. HW > 0.95 mm; petiolar node broader than long; mesosomal dorsum densely punctate ...
*L. jeanettei* Tiwari
 — HW < 0.95 mm; petiolar node longer than broad; mesosomal dorsum smooth and shiny23
23. Body black; mesonotum almost twice as wide as long; HW < 0.8 mm; scapes shorter SI < 140*L. latkei* sp. nov.
 — Body brown; mesonotum subequal, as wide as long; HW > 0.8 mm; scapes longer SI > 150*L. transitionis* sp. nov.
24. Body brown; third antennal segment almost 3x length of second*L. assamensis* Forel
 — Body black; third antennal segment ≤ 2x length of second25
25. Anterior clypeal margin laterally sinusoid, with apex transverse and dentate
*L. chinensis* (Mayr)
 — Anterior clypeal margin laterally straight, with apex bluntly rounded and edentate ...26
26. Head subrectangular in full-face view with lateral margins distinctly diverging anteriorly; scape short, surpasses posterior cephalic border by about one-third its length
*L. minchinii* Forel
 — Head subquadrate in full-face view with subparallel lateral margins; scape long, surpasses posterior cephalic border by about half its length*L. pequeti* (André)

[*Leptogenys stenocheilos* (Jerdon, 1851) could not be placed in this key due to the inadequate description and unavailability of the material. *Leptogenys iridipennis* (Smith, F., 1858), *L. carinata* Donisthorpe, 1943 and *L. longiscapa* Donisthorpe, 1943, all described based on the male caste only, are also excluded.]

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REFERENCES

- Bharti H, 2011. List of Indian Ants (Hymenoptera: Formicidae). *Halteres* 3: 79-87.
- Bharti H and Wachkoo AA, 2012a. First record of the genus *Myopias* (Hymenoptera, Formicidae) from India, with description of new species. *Vestnik zoologii* 46(1): e-33—e-35.
- Bharti H and Wachkoo AA, 2012b. First record of *Prionopelta kraepelini* (Hymenoptera: Formicidae) from India, with description of male caste. *Sociobiology* 59(3): 815-821.
- Bharti H and Wachkoo AA, 2012c. First verified record of genus *Ponera* (Hymenoptera: Formicidae) from India, with description of two new species. *Acta Zoologica Academiae Scientiarum Hungaricae* 58(3): 217–224.
- Bingham CT, 1903. *The Fauna of British India, including Ceylon and Burma. Hymenoptera. Vol. 2: Ants and Cuckoo-Wasps*. Taylor and Francis, London, 506 pp.
- Bolton B, 1975. A revision of the ant genus *Leptogenys* Roger (Hymenoptera: Formicidae) in the Ethiopian region with a review of the Malagasy species. *Bulletin of the British Museum (Natural History) Entomology* 31: 235-305.
- Bolton B, 2012. *Bolton's Catalogue and Synopsis Version: 1 January 2012*. Downloaded from <http://gap.entclub.org/> on 10 January 2012.
- Bolton B, Alpert G, Ward PS and Naskrecki P, 2007. *Bolton's Catalogue of Ants of the World: 1758-2005* [CD-ROM]. Harvard University Press, Cambridge, Massachusetts.
- Donisthorpe HS, 1943. Ants from the Colombo Museum expedition to southern India, September - October 1938. *Annals and Magazine of Natural History* 10: 196-208.
- Forel A, 1900. Les formicides de l'Empire des Indes et de Ceylan. Part VII. *Journal of the Bombay Natural History Society* 13: 303-332.
- Ito F, 1997. Colony composition and morphological caste differentiation between ergatoid queens and workers in the ponerine ant genus *Leptogenys* in the Oriental tropics. *Ethology, Ecology and Evolution* 9: 335-343.