



Figs. 13–15. *Myrmica religiosa* sp.nov., (Worker) 13. Head in full-face view; 14. body, lateral view; 15. body, dorsal view.

- 4 (3) Petiolar dorsum feebly reticulate and punctured. Postpetiole smooth and shiny. Sides of the pronotum reticulate. Propodeal spines feebly curved at the tips. – India: Himachal Pardesh
*Myrmica curvispinosa* sp. nov.
 – Petiolar dorsum feebly reticulate, without punctures. Postpetiole rugulose and with few longitudinal striations. Sides of the pronotum with transverse rugae. Propodeal spines not curved.....
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- 5 (4) Propodeum longitudinally rugose. Propodeal spines longer than the distance between their tips, $ESDI < 1.24$, petiole long ($PI_1 1.73$.) – India: Uttarakhand.....*Myrmica religiosa* sp. nov.
 – Propodeum transversally rugose. Propodeal spines shorter than the distance between their tips, $ESDI > 1.41$, petiole comparatively short ($PI_1 1.62$.) – India: Himachal Pardesh.....
*Myrmica kothiensis* sp. nov.

Discussion

As discussed above, species of the *inezae* group have quite distinct features: petiole with a very long and thin peduncle, postpetiole subglobular, propodeal spines very long, propodeal lobes rounded, partly transverse rugosity on mesosoma except for *M. rigatoi*. Thus, the discovery of these three new species would add to further the understanding of the taxonomy and distribution of the *Myrmica inezae* species group.

Acknowledgment

We are sincerely grateful to Professor Alexander Radchenko and Dr. Graham Elmes for critically examining the article and valuable suggestions. Financial assistance rendered by Department of Science and Technology (grant no. SR/SO/AS-65/2007), Ministry of Science and Technology, Government of India, New Delhi for this work is gratefully acknowledged.

References

- Bharti, H., 2012a. *Myrmica nefaria* sp. n. (Hymenoptera: Formicidae) – a new social parasite from Himalaya. *Myrmecol. News* 16, 149–156.
- Bharti, H., 2012b. Two new species of the genus *Myrmica* (Hymenoptera: Formicidae: Myrmicinae) from the Himalaya. *Tijdschr. Entomol.* 155, 9–14.
- Bharti, H., Sharma, Y.P., 2011a. *Myrmica elmesi* (Hymenoptera, Formicidae) a new species from Himalaya. *ZooKeys* 124, 51–58.
- Bharti, H., Sharma, Y.P., 2011b. *Myrmica radchenkoi*, a new species of Ant (Hymenoptera: Formicidae) from Indian Himalaya. *Sociobiology* 58, 427–434.
- Bharti, H., Sharma, Y.P., 2011c. *Myrmica longisculpta*, a new species from Himalaya (Hymenoptera: Formicidae: Myrmicinae). *AEMNP* 51, 723–729.
- Jansen, G., Savolainen, R., Vepsäläinen, K., 2009. DNA barcoding as a heuristic tool for classifying undescribed Nearctic *Myrmica* ants (Hymenoptera: Formicidae). *Zool. Scr.* 38, 527–536.
- Jansen, G., Savolainen, R., Vepsäläinen, K., 2010. Phylogeny, divergence-time estimation, biogeography and social parasite-host relationships of the Holarctic ant genus *Myrmica* (Hymenoptera: Formicidae). *Mol. Phylogenet. Evol.* 56, 294–304.
- Radchenko, A.G., Elmes, G.W., 2001. A taxonomic revision of the ant genus *Myrmica* Latreille (Hymenoptera: Formicidae) from Himalaya. *Entomol. Basil.* 23, 237–276.
- Radchenko, A.G., Elmes, G.W., 2010. *Myrmica* ants (Hymenoptera: Formicidae) of the Old World. *Natura Optima dux Foundation, Warsaw, Poland* (789 pp.).