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Distribution and divergence of few common termites' species: A study at Jnanabharathi

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Environment and termite distribution always complement each other for bringing morphological variation, the study help us to understand the reason for its prevalence and also variation. In view of this, the current work is a continuation of the contribution to the taxonomic understanding of the species in terms of intercolonial variations among the soldier castes of different species. The study is based on the collection of termite samples from different localities of Jnanabharathi (JB), Bangalore University Karnataka, and India. Morphometric variations among the soldier samples from thirty three nests of five species namely, *Odontotermesceylonicus* (Wasmann), *O. horni*(Wasmann), *O. obesus* (Rambur), *O. redemanni* (Wasmann) and *Trinervitermesbiformis* (Wasmann) (Isoptera, Termitidae). The reliability of the measurements depends on the extent of variability of the morphological structures observed between the colonies. Further, the five species recorded were clustered based on coding the mean values followed by Manhattan distance. The Tukey-Kramer test values were coded followed by Mcquity distance and the dendrograms obtained were compared to ascertain the extent of the morphological relationship among the species.

Biography

Ballagere Puttaraju Harini has done M.Sc. Ph.D from University of Mysore, Mysore. Field of specialization in Drosophila Cytogenetics & Evolutionary genetics. She has been awarded UPG: JRF; UPG:SRF ; CSIR:SRF; DBT: Project Associate; DBT: Post Doctoral Fellow. She has done her Post doctoral in National Centre for Biological Sciences, TIFR, Bangalore (2001-2003) and she appointed as an Assistant Professor at Bangalore University in 2003. Three Major Research Projects awarded from UGC, BRNS & DST, Govt. of India. Honoured Fellow of FISBT (2010) from International Society of Biotechnology. Guided 12 M.Phil and 04 Ph.D students. Published about 40 Research papers in national and international reputed journals with high impact factor to mention few Int J. of Biodiver & Conser., Genetica, BMC Int J. of Evolu Bioly, Current Science etc. & presented research findings in 55 national & international conferences. Member of various organization ISCA, ISCB, ISHG & ISBT

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