

interpret the EM-sections of the bacteria in the pouch. This research was supported through grant No. G.0254.96 from the Flemish Fund for Scientific Research.

## References

- Bonavita-Cougourdan, A., Poveda, A., 1972. Etude préliminaire d'un organe mettant en rapport intestin moyen et intestin postérieur chez les larves de fourmis (Hyménoptères Formicidae). *Comptes Rendus de l'Académie des Sciences Paris* 275D, 775–778.
- Buschinger, A., Klein, R.W., Maschwitz, U., 1994. Colony structure of a bamboo-dwelling *Tetraponera* sp. (Hymenoptera: Formicidae: Pseudomyrmecinae) from Malaysia. *Insectes Sociaux* 41, 29–41.
- Caetano, F.H., 1989. Endosymbiosis of ants with intestinal and salivary gland bacteria. In: Schwemmler, W., Gassner, G. (Eds.), *Insect Endocytobiosis: Morphology, Physiology, Genetics, Evolution*. Boca Raton, Florida, pp. 57–76.
- Caetano, F.H., Cruz-Landim, C., 1985. Presence of microorganisms in the alimentary canal of ants of the tribe Cephalotini (Myrmicinae): location and relationship with intestinal structures. *Naturalia* 10, 37–47.
- Caetano, F.H., Cruz-Landim, C., 1987. Microorganisms in the gut of ants of the tribe Cephalotini: location and relationship with intestinal structures. In: Eder, J., Rembold, H. (Eds.), *Chemistry and Biology of Social Insects*. Peperny Verlag, Munich, pp. 629–630.
- Cruz-Landim, C., 1972. Note on a special association between bacteria and the rectal wall in overwintering worker honeybees. *Journal of Apicultural Research* 11, 23–26.
- Cruz-Landim, C., 1990. Microflora do intestino de operárias de *Apis mellifera* e *Melipona quadrifasciata anthidioides*, conforme detectada pelo exame ultra-estrutural. *Naturalia* 15, 199–207.
- Dettner, K., Peters, W., 1999. *Lehrbuch der Entomologie*. G Fischer-Verlag, Stuttgart, Jena, Lübeck, Ulm.
- Hölldobler, B., Wilson, E.O., 1990. *The Ants*. Harvard University Press, Cambridge, MA.
- Kovoor, J., 1968. L'intestin d'un termite supérieur (*Microcerotermes edentatus*, Wasman, Amitermitinae). *Histophysiologie et flore bactérienne symbiotique*. *Bulletin de Biologie France Belgique* 102, 45–84.
- Noirot, C., Noirot-Timothee, C., 1969. The digestive system. In: Krishna, K., Weesner, F.M. (Eds.), *Biology of Termites*. Academic Press, New York, London.
- Noirot, C., Noirot-Timothee, C., 1982. The structure and development of the tracheal system. In: King, R.C., Akai, H. (Eds.), *Insect Ultrastructure*, vol. 1. Plenum Publ. New York, London, pp. 351–381.
- Schröder, D., Deppisch, H., Obermayer, M., Krohne, G., Stackebrandt, E., Hölldobler, B., Goebe, W., Gross, R., 1996. Intracellular endosymbiotic bacteria of *Camponotus* species (carpenter ants): systematics, evolution and ultrastructural characterization. *Molecular Microbiology* 21, 479–489.
- Ward, P.S., 1991. Phylogenetic analysis of pseudomyrmecine ants associated with domatia-bearing plants. In: Huxley, C.R., Cutler, D.F. (Eds.), *Ant-Plant Interactions*. Oxford University Press, Oxford, pp. 335–352.