

Current Research Publications

1. **Fielden L. J.** and Lighton J. R. B. 1996 Effect of water stress and relative humidity on ventilation in the tick *Dermacentor andersoni*.(Acari: Ixodidae). *Physiological Zoology*. **69**: 599-617.
2. Lighton J.R.B. and **Fielden L.J.** 1996 Gas exchange in wind spiders (Arachnida, Solpugidae) : Independent evolution of convergent control strategies in solpugids and insects. *Journal of Insect Physiology*. **42**: 347-357.
3. **Fielden L. J.** and Rechav, Y. 1996 Survival of Six species of African ticks in relation to saturation deficits. *Experimental and Applied Acarology* **20**: 625-638
4. Rechav, Y., Goldberg, M. and **Fielden, L. J.** 1997. Evidence for attachment pheromones in the Cayenne tick (Acari; Ixodidae). *Journal of Medical Entomology* **34**: 234- 237.
5. Rechav, Y. and **Fielden, L.J.** 1997. The effect of various host species on the feeding performance of immature stages of the tick *Hyalomma truncatum* (Acari: Ixodidae): *Experimental and Applied Acarology* **21**: 551-560
6. Stewart, R.L., Tammariello, S.P., **Fielden, L.J.** and Needham G.R. 1998 Behavioral diapause not in evidence for winter-exposed *Amblyomma americanum* and *Dermacentor variabilis* (Acari: Ixodidae). *International Journal of Acarology*: **24**: 81-85
7. **Fielden L. J.**, **Jones R.M., Goldberg, M. and Rechav, Y. 1999 Feeding and respiratory gas exchange in the American dog tick, *Dermacentor variabilis*. *Journal of Insect Physiology* 45: 297-304
8. Rechav, Y., Zyzak, M., **Fielden, L.J.** and Childs L.J. 1999 Comparison of methods for producing artificial infection of Ixodid ticks with *Ehrlichia chaffeensis*. *Journal of Medical Entomology* **36**: 414-419
9. Perrin, M.R. and **Fielden, L.J.** 1999. Desert Golden Moles, *Eremitalpa* in *Mammalian Species*, *American Society of Mammalogists*: No. 625: 1-4.
10. Rechav, Y., **Drey C., **Fielden L.J.** and Goldberg, M.. (2000). Production of pheromones by artificially fed males of the tick *Amblyomma maculatum* (Acari: Ixodidae). *Journal of Medical Entomology*: 37:761-765.
12. Krasnov, B., Khokhlova, I., **Fielden, L.** & Burdelova, N. 2001. Development rates of two *Xenopsylla* flea species in relation to air temperature and humidity. *Medical and Veterinary Entomology* **15**:249-258.
13. Krasnov, B., Khokhlova, I., **Fielden, L.** & Burdelova, N. 2001. The effect of temperature and humidity on the survival of pre-imaginal stages of two flea species (Siphonaptera: Pulicidae). *Journal of Medical Entomology* **38**: 629-637.
14. **Fielden, L.**, Krasnov, B. & Khokhlova, I. 2001. Respiratory gas exchange in the flea *Xenopsylla conformis* (Siphonaptera: Pulicidae). *Journal of Medical Entomology* **38**:735-739.
15. Krasnov, B., Khokhlova, I., **Fielden, L.** & Burdelova, N. 2002. Time of survival under starvation in two flea species (Siphonaptera: Pulicidae) at different air temperatures and relative humidities. *Journal of Vector Ecology* (in press).
16. Shenbrot, G., Krasnov, B., Khokhlova, I., Demidova, T. & **Fielden, L.** 2002. Habitat-dependent differences in architecture and microclimate of the Sundevall's jird

(*Meriones crassus*) burrows in the Negev Desert, Israel. *Journal of Arid Environments* (in press).

17. **Fielden, L.,** Krasnov, B., Still, K.& Khokhlova, I. 2002 Water balance in two species of desert fleas, *Xenopsylla ramesis* and *X. conformis* (Siphonaptera: Pulicidae). *Journal of Medical Entomology* (submitted).

