

Peter Hudson

Peter Hudson, BSc (Hons) PhD
Collection Manager, Entomology
South Australian Museum
Adelaide, South Australia



Education & Experience

Peter was born in Port Pirie, South Australia in 1954. In 1991 he received his BSc (Hons) from Adelaide University and his PhD from Flinders University in 2000. Prior to commencing as Collection Manager, Entomology at the South Australian Museum (2008) he had two postdocs working on aquatic invertebrates of ephemeral rivers and worked for one year as an environmental consultant with a private consultancy.

His primary research focus is the terrestrial invertebrate fauna of salt lakes. This involves discovery, description and investigation of the phylogeography of the fauna using DNA sequencing.

Candidate's statement

My interest in the fauna of salt lakes started in the late 1970's and was the driving force to return to study as a mature age student. Australia is a land of salt lakes yet relatively little is known about the animals living on them. To help raise the public awareness of salt lakes I frequently give presentations to community groups and run excursions to illustrate that the commonly held perception that nothing could live out on the dry salt lakes could not be further from the truth. I presented at the ISSLR conferences in Perth (Australia), Mar Chiquita (Argentina), Beijing (China) and most recently Ulan-Ude (Russia). As a member of the Board I believe I can help further the goals of the Society in the promotion, conservation and research of our saline habitats.

Selected Publications

- Framenau, V.W. and Hudson, P. (2017). Taxonomy, systematics and biology of the Australian halotolerant wolf spider genus *Tetrallycosa* (Araneae: Lycosidae: Artoriinae). *European Journal of Taxonomy* **335**: 1-72.
- López- López, A., Hudson, P. and Galián, J. (2016). Islands in the desert: Species delimitation and evolutionary history of *Pseudotetracha* tiger beetles (Coleoptera: Cicindelidae: Megacephalini) from Australian salt lakes. *Molecular Phylogenetics and Evolution* **101**: 279-285.
- López- López, A., Hudson, P. and Galián, J. (2012). Recent origin of a chiasmatic sex trivalent in Australian *Pseudotetracha* tiger beetles. *Journal of Zoology* **289(4)**: 262-269.
- López- López, A., Hudson, P. and Galián, J. (2012). The blackburni/murchisona species complex in Australian *Pseudotetracha* (Coleoptera: Carabidae: Cicindelinae: Megacephalini): evaluating molecular and karyological evidence. *Journal of Zoological Systematics and Evolutionary Research* **50(3)**: 177-183.
- Timms, B.V. and Hudson, P. (2009). The brine shrimps (*Artemia* and *Parartemia*) of South Australia, including descriptions of four new species of *Parartemia* (Crustacea: Anostraca: Artemiina). *Zootaxa* **2248**: 47-68.
- Baehr, M. and Hudson, P. (2001). New species and a new genus of the subfamily Pogoninae from South Australia (Coleoptera: Carabidae). *Records of the South Australian Museum* **34(1)**:1-18.
- Hudson, P.J. (2000). A new flightless species of *Pogonus Nicolai* (Coleoptera: Carabidae) from Western Australia. *Australian Journal of Entomology* **39**:241-243.

- Galian, J. and Hudson, P. (1999). Cytogenetic analysis of Australian tiger beetles (Coleoptera: Cicindelidae): chromosome number, sex-determining system and localisation of rDNA genes. *Journal of Zoological Systematics and Evolutionary Research* **37**:1-6.
- Hudson, P. (1997). Sympatric distribution of an Australian salt lake wolf spider and scorpion. *International Journal of Salt Lake Research* **6**(1):1-3.
- Hudson, P. and Adams, M. (1996). Allozyme characterisation of the salt lake spiders (*Lycosa*: Lycosidae: Araneae) of southern Australia: Systematic and population genetic implications. *Australian Journal of Zoology* **44**:535-567.
- Hudson, P. (1994). *Cicindela (Rivacindela) gillesensis*, a new tiger beetle (Coleoptera: Carabidae) from South Australia. *Journal of the Australian Entomological Society* **33**:187-189.