

Peter Hudson

Peter Hudson, BSc (Hons) PhD
Honorary Research Associate
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. After two postdocs working on aquatic invertebrates of ephemeral rivers he worked for one year as an environmental consultant with a private consultancy. In 2008 he commenced in the position of Collection Manager, Entomology at the South Australian Museum, which he retired from in 2019. He continues his connection with the Museum as an Honorary Research Associate.

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 primary interest in the terrestrial invertebrate 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.

I have been trying to overcome the commonly held perception that our dry salt lakes are waste lands and that nothing could live out on them. I do this via presentations to community groups, running field excursions and responding to ecological impact assessments. I presented at the ISSLR conferences in Perth (Australia), Mar Chiquita (Argentina), Beijing (China), Ulan-Ude (Russia) and most recently the virtual conference in Murcia (Spain). 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

- Marsh, J.R., Hudson, P. and Framenau, V.W. (2021). A ghost in the salt: A new species of halotolerant tube-web spider in the genus *Ariadna* (Araneae: Segestriidae) *Zootaxa* **4952** (3): 580-588.
- 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.
- 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.

- 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.