

## Timothy Andrew Hammer

### Curriculum Vitae

School of Biological Sciences, The University of Western Australia  
35 Stirling Hwy, Crawley, WA, Australia 6009  
E-mail: [timothy.hammer@research.uwa.edu.au](mailto:timothy.hammer@research.uwa.edu.au)  
Website: <http://www.tim-hammer.com>

### EDUCATION

PhD expected 2019, Biological Sciences, The University of Western Australia

Thesis: *Molecular systematics and evolution of Ptilotus (Amaranthaceae)*

Supervisors: Kevin Thiele, Ladislav Mucina, Megan Ryan & Ian Small

**Master of Science**, 2014, Biology, Old Dominion University

**Bachelor of Science**, 2012, Biology, Old Dominion University, *summa cum laude*

### PEER-REVIEWED PUBLICATIONS

**Hammer TA**, Macintyre PD, Nge FJ, Davis RW, Mucina L & Thiele KR. *in press*. The noble and the exalted: A multidisciplinary approach to resolving a taxonomic controversy within *Ptilotus* (Amaranthaceae). *Australian Systematic Botany*.

**Hammer TA & Davis RW. 2018.** *Ptilotus actinocladus* (Amaranthaceae), a new and rare species from the Gascoyne bioregion, Western Australia. *Nuytsia* 29: 145–149. <https://florabase.dpaw.wa.gov.au/nuytsia/article/877>

**Hammer TA**, Davis RW & Thiele KR. **2018.** The showy and the shy: reinstatement of two species from *Ptilotus gaudichaudii* (Amaranthaceae). *Australian Systematic Botany* 31: 1–7. <https://doi.org/10.1071/SB17026>

Davis RW & **Hammer TA. 2017.** *Ptilotus benlii* (Amaranthaceae), a new species from Western Australia. *Nuytsia* 28: 299–302. <https://florabase.dpaw.wa.gov.au/nuytsia/article/853>

**Hammer TA**, Davis RW & Thiele KR. **2017.** *Wadithamnus*, a new monotypic genus in Amaranthaceae. *Phytotaxa* 295(2): 173–184. <https://doi.org/10.11646/phytotaxa.295.2.5>

**Hammer TA & Davis RW. 2017.** Synonymisation of three Western Australian taxa within *Ptilotus* (Amaranthaceae). *Nuytsia* 28: 133–134. <https://florabase.dpaw.wa.gov.au/nuytsia/article/821>

Davis RW, **Hammer TA & Thiele KR. 2016.** A new and rare species of *Nymphoides* (Menyanthaceae) from the North West of Western Australia. *Nuytsia* 27: 245–252. <https://florabase.dpaw.wa.gov.au/nuytsia/article/794>

**Hammer T**, Davis R & Thiele K. **2015.** A molecular framework phylogeny for *Ptilotus* (Amaranthaceae): Evidence for the rapid diversification of an arid Australian genus. *Taxon* 64(2): 272–285. <http://dx.doi.org/10.12705/642.6>

Davis R.W, **Hammer TA & Thiele KR. 2014.** Two new and rare species of *Ptilotus* (Amaranthaceae) from the Eneabba sandplains, Western Australia. *Nuytsia* 24: 123–129. <https://florabase.dpaw.wa.gov.au/nuytsia/article/712>

### OTHER SELECTED PUBLICATIONS

**Hammer TA & Davis RW. 2017.** Pollination biology in *Ptilotus*. *Landscape* 32(4): 45.

**Hammer TA**, Davis RW & Thiele KR. **2017.** Species of *Ptilotus*, in: KeyBase: Flowering plants of Australia. <http://keybase.rbg.vic.gov.au/keys/show/6609>

**Hammer TA, Davis RW & Thiele KR. 2017.** Species of *Ptilotus*, in: KeyBase: Flowering plants of Western Australia.  
<http://keybase.rbv.vic.gov.au/keys/show/6627>

### **AWARDS, GRANTS AND HONOURS**

2017 Australasian Systematic Botany Society Student Travel Award  
2015 Forrest Research Foundation PhD Scholarship  
2014 American Society of Plant Taxonomists Student Travel Award  
2014 Best oral presentation by a Master's student, Biology Graduate Student Organization Spring Symposium, Old Dominion University  
2012 Outstanding Undergraduate in Biological Sciences, Old Dominion University  
2011–2012 Dean's List and Dean's Perfect Scholar, Old Dominion University

### **RESEARCH EXPERIENCE**

2015– PhD candidate, The University of Western Australia  
Taxonomy/systematics – Supervisor: Dr. Kevin Thiele  
Biogeography – Supervisor: Prof. Ladislav Mucina  
Plant physiology – Supervisor: Assoc/Prof. Megan Ryan  
Molecular biology – Supervisor: Prof. Ian Small  
2012–2014 Master's student, Old Dominion University  
Molecular systematics – Supervisors: Drs. Tim Motley & Kevin Thiele

### **HERBARIUM RESEARCH AND CURATION**

2015– Postgraduate, Western Australian Herbarium (PERTH)  
2015– Postgraduate, the University of Western Australia Herbarium (UWA)  
2017 Visitor, State Herbarium of South Australia (AD)  
2016 Visitor, Northern Territory Herbarium, Alice Springs (NT)  
2016 Visitor, State Herbarium of South Australia (AD)  
2014 Visitor, United States National Herbarium (US)  
2012–2014 Graduate student, Old Dominion University Herbarium (ODU)  
2013 Visitor, Western Australian Herbarium (PERTH)

### **FIELD EXPERIENCE**

2016 Nov Western Australia: Jarrah Forrest & Geraldton Sandplains  
2016 Oct South Australia: Adelaide, Flinders Ranges & Stony Plains  
2016 Sep Northern Territory: Finke and MacDonnell Ranges  
2016 Sep Western Australia: Avon Wheatbelt & Murchison  
2015 Oct Western Australia: Jarrah Forrest, Esperance Plains & Stirling Ranges  
2015 Sep Western Australia: Avon Wheatbelt, Murchison & Geraldton Sandplains  
2015 Aug Western Australia: Carnarvon, Gascoyne, Murchison & Pilbara  
2013 Sep Western Australia: Central Ranges  
2013 Aug Northern Territory: MacDonnell Ranges & Central Ranges  
2013 Aug Western Australia: Southwest, Goldfields, Murchison & Gascoyne

### **TEACHING EMPLOYMENT**

- 2016 Demonstrator for Plant Diversity and Conservation (PLNT 2204), The University of Western Australia (Supervisor: Dr. K. Thiele)
- 2016 Demonstrator for Frontiers in Biology (BIOL 1130), The University of Western Australia (Supervisor: Dr. S. Barker)
- 2015 Demonstrator for Plant Diversity and Conservation (PLNT 2204), The University of Western Australia (Supervisor: Dr. K. Thiele)
- 2013 Graduate Teaching Assistant for Human Biology (BIO 109), Old Dominion University (Supervisor: Dr. T. Lobova)
- 2012 Graduate Teaching Assistant for Environmental Science (BIO 108), Old Dominion University (Supervisor: Dr. T. Lobova)

### CONFERENCE PRESENTATIONS

- Hammer TA**, Macintyre P, Nge F, Davis R, Mucina L & Thiele K. **2017**. The noble and the exalted: resolving the relationships within *Ptilotus nobilis* (Amaranthaceae). Systematics 2017: Integrating Systematics for Conservation and Ecology. Adelaide, SA, Australia: 27–29 November (Oral Presentation).
- Hammer TA**, Davis RW & Thiele KR. **2015**. A molecular framework phylogeny for *Ptilotus* R.Br. (Amaranthaceae). Society of Australian Systematic Biologists 2015. Fremantle, WA, Australia: 6–9 December (Oral Presentation).
- Hammer TA**, Davis RW & Thiele KR. **2014**. A molecular framework phylogeny for *Ptilotus* R.Br. (Amaranthaceae): Implications for classifications within the aervoids. Botany 2014: new frontiers in botany. Boise, ID, USA: 26–30 June (Oral Presentation).
- Hammer TA**, Davis RW & Thiele KR. **2014**. A molecular framework phylogeny for *Ptilotus* R.Br. (Amaranthaceae). Association of Southeastern Biologists: 75th annual meeting. Spartanburg, SC, USA: 2–5 April (Oral Presentation).
- Hammer TA**, Thiele KR, Davis RW & Motley TJ. **2013**. Preliminary ITS phylogeny of the Australian genus *Ptilotus* (Amaranthaceae). Botany 2013: celebrating diversity. New Orleans, LA, USA: 27–31 July (Poster Presentation).

### SERVICE TO PROFESSION

- Referee for *Taxon* (Journal of the International Association for Plant Taxonomy)
- Participated in collaborative workshop for the development of the *Decadal Plan for Taxonomy and Biosystematics in Australia and New Zealand 2018–2027*.

### INVITED PUBLIC OUTREACH LECTURES

- 2018 Wildflower Society of Western Australia, Northern Suburbs Branch  
Title: More than mulla mullas: the amazing diversity of *Ptilotus* and its amaranth relatives
- 2017 Wildflower Society of Western Australia, Perth Branch  
Title: Exploring the diversity of *Ptilotus* (mulla mulla).
- 2015 Wildflower Society of Western Australia, Eastern Hills Branch  
Title: Molecular systematics of *Ptilotus* (Amaranthaceae)

### PROFESSIONAL MEMBERSHIPS

- Australasian Systematic Botany Society, Inc.

International Association for Plant Taxonomy