

Timothy Andrew Hammer

Curriculum Vitae

School of Biological Sciences, The University of Western Australia
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EDUCATION

- 2019 **Doctor of Philosophy**, Expected June 2019
School of Biological Sciences, The University of Western Australia
Thesis: *Molecular systematics and evolution of Ptilotus (Amaranthaceae)*
Supervisors: Kevin Thiele, Ladislav Mucina, Megan Ryan & Ian Small
- 2014 **Master of Science**, Biology
Old Dominion University (Norfolk, VA, USA)
- 2012 **Bachelor of Science**, Biology
Old Dominion University, *summa cum laude*

PEER-REVIEWED PUBLICATIONS

- 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. Discovered: 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.rbg.vic.gov.au/keys/show/6627>

AWARDS, GRANTS AND HONOURS

2015–2019 Forrest Research Foundation PhD Scholarship (~\$188,000 AUD)
2017 Australasian Systematic Botany Society Student Travel Assistance
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: Dr. Tim Motley & Dr. Kevin Thiele

HERBARIUM RESEARCH AND CURATION

2015– Postgraduate student at the Western Australian Herbarium (PERTH)
2016–2017 Visiting botanist at the State Herbarium of South Australia (AD)
2016 Visiting botanist at Northern Territory Herbarium, Alice Springs (NT)
2012–2014 Graduate student at Old Dominion University Herbarium (ODU)
2013 Visiting botanist at 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 T**, Macintyre P, Brundrett M & Keighery G. 2018. Combining approaches to identify biodiversity hotspots in Western Australia. The Royal Society of Western Australia 2018 Symposium. Crawley, WA, Australia: 27–28 July (Poster Presentation).
- 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

Reviewer for Taxon (journal of the International Association for Plant Taxonomy)

SERVICE TO INSTITUTION

- 2013–2014 Vice-president of Biology Graduate Student Organization, Old Dominion University (<http://orgs.odu.edu/bgso/>)
- 2013–2014 President of Botanical Society of America Student Chapter, Old Dominion University (<http://orgs.odu.edu/odubsa/>)
- 2012–2013 Co-founder and secretary of Botanical Society of America Student Chapter, Old Dominion University (<http://orgs.odu.edu/odubsa/>)

INVITED PUBLIC OUTREACH LECTURES

- 2018-Sep Wildflower Society of Western Australia, Northern Suburbs Branch
- 2017-Nov Wildflower Society of Western Australia, Perth Branch

2015-Oct Wildflower Society of Western Australia, Eastern Hills Branch

PROFESSIONAL MEMBERSHIPS

Australasian Systematic Botany Society, Inc.

International Association of Plant Taxonomists

American Society of Plant Taxonomists

Botanical Society of America

Phi Kappa Phi Honor Society