

Curriculum Vitae – Jordy Groffen, MSc

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Field of interest

Conservation, climate change, ecology, behaviour, herpetology, wildlife, invasive species

Education

- 2009 - 2012 **MSc Animal Sciences – Animal health and behaviour**
Wageningen University & Research Centre (WUR), Wageningen, The Netherlands
Thesis: “Effects of age and rearing strategies on levels of natural antibodies in saliva of the Philippine crocodile”
<http://www.ahr-journal.com/en/oa/DArticle.aspx?type=view&id=210130103>
- 2009 - 2012 **MSc Animal Sciences – Animal welfare and ethology**
Swedish Agricultural University (SLU), Uppsala, Sweden
Thesis: “Tail posture and motion as an indicator of emotional state in pigs”
https://stud.epsilon.slu.se/4692/7/groffen_j_120820.pdf
- 2005 - 2009 **BSc Animal Husbandry**
INHolland University of Applied Sciences, Delft, The Netherlands
Thesis: “Lungworm parasites in Australian cane toads as a possible biological solution”

Professional expertise and experience

Date	Position	Field of study	Institute/university
Sept 2017 - Present	Research technician/ Lab manager	<ul style="list-style-type: none">• Breeding ecology of the Giant salamander (<i>Cryptobranchus alleganiensis</i>)• Wood duck incubation and impact of egg temperature• Tree swallow parental behaviour	Virginia Tech, USA
Jan 2017 - Aug 2017	Researcher/ Research assistant	<ul style="list-style-type: none">• Habitat use of endangered tree frogs (<i>D. suweonensis</i>) in rice paddies• Combining genetic and morphological data of hibernization in tree frogs to establish conservation plans for the <i>D. suweonensis</i>• Invasive golden apple snail adaptation to colder climates• <i>Rhabdias</i> infection prevalence in <i>Bufo gargarizans</i>• <i>Saprolegnia</i> impact on <i>B. gargarizans</i> breeding	Ewha W. University, South-Korea

		<ul style="list-style-type: none"> • The impact of climate change on breeding phenology (calls) of amphibians • Comparing phylogenetics of red squirrels and weasels in Northeast Asia 	
Feb 2008 - Jan 2016	Researcher/ Research technician	<ul style="list-style-type: none"> • The impact of invasive cane toads on native wildlife in a semi-closed gorge system in Australia • The migration of lungworm parasites in the cane toad frontline in Australia 	Kimberley Specialists in Research, Australia
Nov 2015 - Jan 2016		Observational study on the black flying fox as a potential pollinator of the Australian boab tree (in collaboration with Prof. Pettigrew, Queensland University)	
Mar 2014 - Jan 2015		Population genetics of freshwater turtles in Western Australia (in collaboration with Dr. Fitzsimmons, Griffith University, Australia)	
2009-2016		Parasite collection from Northern Australian reptiles (collaboration with Dr. Barton, Northern Territory Museum, Australia)	

Peer-reviewed manuscripts

1. **Jordy Groffen**, Seung-Yoon Oh, Sera Kwon, Yikweon Jang, Amaël Borzée. 2019. High mortality in *Bufo gargarizans* eggs associated with an undescribed *Saprolegnia ferax* strain in the Republic of Korea. *Diseases of aquatic organisms* 137, 89-99.
2. Amaël Borzée, Desiree Andersen, **Jordy Groffen**, Hyun-Tae Kim, Jeongju Ha, Bae Yoonhyuk, Yikweon Jang. 2019. Climate change-based models predict range shifts in the distribution of the only Asian plethodontid salamander: *Karsenia koreana*. *Scientific reports* 9, 11838.
3. **Jordy Groffen**, Sungsik Kong, Yikweon Jang, Amaël Borzée. 2019. The invasive American bullfrog (*Lithobates catesbeianus*) in the Republic of Korea: history and recommendation for population control. *Management of Biological Invasions* 10 (3), 517-535.
4. John R. Connock, Brian F. Case, Sky T. Button, **Jordy Groffen**, Thomas M. Galligan, William A. Hopkins. 2019. Factors influencing in-situ detection of PIT-tagged Hellbenders (*Cryptobranchus alleganiensis*) occupying artificial shelters using a submersible antenna. *Herpetological Conservation & Biology* 14 (2), 429-437.
5. **Jordy Groffen**, Amaël Borzée, Yikweon Jang. 2018. Positioning of two treefrog species within rice paddies in relation to different habitat borders. *Animal Cells and Systems* 22 (3), 205-211.
6. **Jordy Groffen**, Gary Rethus, Jack Pettigrew. 2016. Promiscuous pollination of Australia's baobab, the boab, *Adansonia gregorii*. *Australian Journal of Botany* 64, 678-686.
7. **Jordy Groffen**, Henk Parmentier, Willem A. C. van de Ven, Merlijn van Weerd. 2013. Effects of Different Rearing Strategies and Ages on Levels of Natural Antibodies in Saliva of the Philippine Crocodile. *Asian Herpetological Research* 4(1), 22-27.

Book

Jordy Groffen & Stacey Porter. 2015. 10 Years of Community Effort Fighting an Alien Invasion. Kimberley Specialists, Kununurra, Western Australia. ISBN: 9780994258809 0994258801.

Peer-reviewed Natural History Notes

1. Amaël Borzée, Jin-Long Ren, Jia-Tang Li, **Jordy Groffen**, Yikweon Jang, Yi Yang, Kevin Messenger. 2019. Microhabitat segregation between Black-spotted pond frogs, *Pelophylax nigromaculatus*, and Gol-striped pond frogs, *P. plancyi* (Anura: Ranidae). *IRCF Reptiles & Amphibians* 26 (2), 119-120.
2. **Jordy Groffen**, Yi Yang, Amaël Borzée, Yikweon Jang. 2019. Interspecific amplexus between *Glandirana tientaiensis* and *Odorrana schmackeri* at the Fuchun river, Eastern China. *Herpetology Notes* 19, 41-42.
3. **Jordy Groffen**, Amaël Borzée, Yikweon Jang. 2019. First record of necrophilia in the prolonged breeder *Rana uenoi*. *Herpetology Notes* 19, 43-44.
4. **Jordy Groffen**. 2018. *Rhinella marina* (Cane toad), Diet. *Herpetological Review* 49 (2), 310.
5. Amaël Borzée, **Jordy Groffen**, B. Seliger. 2018. *Bombina orientalis* (Oriental Fire-bellied Toad). Geographic distribution. *Herpetological Review* 49 (1), 69.
6. Daniel Antonio Macias, **Jordy Groffen**, Yikweon Jang, Amaël Borzée. 2018. *Rana coreana* (korean brown frog) and *Rana uenoi* (ueno's brown frog). Hibernaculum. *Herpetological Review* 49 (2), 307-308.
7. **Jordy Groffen**, Merlijn van Weerd, Jan van der Ploeg, Sammy Telan. 2018. *Rhinella marina* (Cane toad), Crocodile predation. *Herpetological Review* 49 (3), 520-521.
8. **Jordy Groffen**, Amaël Borzée, Yikweon Jang. 2018. *Rana uenoi* (Prevernal Frog), Diet. *Herpetological Review* 49 (3), 519.
9. Amaël Borzée, Yoon Hyuk Bae, **Jordy Groffen**, Yikweon Jang. 2017. *Pelophylax chosonicus* (Gold-spotted pond frog), Geographic distribution. *Herpetological Review*, 48 (3) 585-586.

Peer-reviewed abstracts

Jordy Groffen and William A. Hopkins. 2019. Artificial shelters for juvenile and sub-adult hellbenders. 9th Hellbender symposium, Blacksburg USA. (poster)

Jordy Groffen, Amaël Borzée, Yikweon Jang. 2017. The Asiatic Toad (*Bufo gargarizans*): Lungworms and water molds. Animal communication symposium, South-Korea. (talk)

Jordy Groffen, Amaël Borzée, Yikweon Jang. 2017. Positioning of Two Treefrog Species within rice paddies in relation to different habitat borders. The 72nd Annual Meeting of The Korean Association of Biological Sciences, South-Korea. (poster)

Jordy Groffen. 2008. Lungworm movement in the cane toad frontline. Pest Forum, Darwin Australia. (talk)

Skills

Technical	Scientific data collection and entry Scientific writing Student supervision and education (Venomous) herpetofauna handling General haemolysis-hemagglutination assay	PCR amplification and sequencing DNA extraction Biodiversity surveys (flora and fauna) Camera-trapping Live animal trapping
Languages	Dutch (native), English (good)	

Additional courses and training

- First Aid Certificate June 2019
- BLS/AED Provider Certificate June 2019
- ArcGis, two-day course 2017
- Social & Behavioral Research (CITI program, 2019)
- Basic Responsible Conduct of Research Course (CITI program, 2019)
- Conflict of Interest and Commitment for Faculty, Staff and Students (CITI program, 2019)