

Resume
Wagner J. Chaves Acuña

I am a Biology PhD student born and raised in Costa Rica. I am passionate about amphibians and deeply committed to their conservation. I have acquired field experience in detecting and learning to better protect numerous threatened species of frogs and toads, and now I am conducting a project with the taxonomy and systematics of a group of endangered tree frogs endemic to the Central American Isthmus. I am looking forward to be given the opportunity to conduct conservation through research with such important tropical bio-indicators.

PERSONAL INFORMATION

Date of birth: September 19th, 1989

Country of origin: Costa Rica

Country of residence: Argentina

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ACADEMIC DATA

2019 – Present Ph.D. Program in Biological Sciences

“Diversity and evolution of the tree frog genus *Isthmohyla* (Anura: Hylidae)”

Department of Biodiversity and Experimental Biology, Universidad de Buenos Aires, Argentina – Museo Argentino de Ciencias Naturales “Bernardino Rivadavia” - CONICET

Advisor: Ph.D. Julián Faivovich

2009 – 2015 Bachelors in Biology

Universidad de Costa Rica, Costa Rica

2007 – 2015 Bachelors in English

Universidad de Costa Rica, Costa Rica

LANGUAGES

Spanish (Native)

English (Advanced) Level: C2 BELT Receptive Skills, Idioma Internacional

RESEARCH PUBLICATIONS

7. **Chaves-Acuña, W.**, G. Chaves, J. Klank, E. Arias, F. Bolaños, A. Shepack, T. Leenders, J. Cossel & J. Faivovich. 2020. Recent findings of *Isthmohyla pictipes* (Anura: Hylidae) in Costa Rica: variation and implications for conservation. *Zootaxa*, 4881 (3): 499-514. <https://doi.org/10.11646/zootaxa.4881.3.4>
6. **Chaves-Acuña, W.**, L. Sandoval, P. P. Bitton, G. Barrantes & A. García-Rodríguez. 2020. Conspecific and predatory perception of *Oophaga pumilio* red-bright morphs at the Central Caribbean of Costa Rica. *Journal of Herpetology*, 54(3): 361-370. <https://doi.org/10.1670/19-110>
5. S. Rodríguez-González, X. Fernández, **W. Chaves-Acuña** & G. Coelho-de-Souza. 2020. A agricultura familiar e suas relações com a agrobiodiversidade, segurança alimentar e nutricional e conservação em Coto Brus, Costa Rica. pp. 211-272. In: *A Conservação*

das sementes crioulas: uma visão interdisciplinar da agrobiodiversidade. V. Camejo Pereira & F. Kessler Dal Soglio (Eds.). Editora da Universidade Federal do Rio Grande do Sul. Porto Alegre, Brazil.

4. **Chaves-Acuña, W.**, J. A. Salazar-Zúñiga & G. Chaves. 2020. Egg clutch survival under prolonged paternal care in the glassfrog *Hyalinobatrachium talamancae*. *Copeia*, 108 (3): 514-421. <https://doi.org/10.1643/CE-19-322>
3. Salazar-Zúñiga, J. A., **W. Chaves-Acuña**, G. Chaves, A. Acuña, J. Abarca, J. Lobon-Rovira, E. Gómez, A. Gutiérrez & F. Bolaños. 2019. The most frog-diverse place in Middle America, with notes on conservation status of six threatened species of amphibians. *Amphibian & Reptile Conservation*, 13: 304-322.
2. Díaz, J. L., **W. Chaves-Acuña** & J. Yáñez. 2019. Diversity of fungal communities inhabiting symptomatic leaves of Cape gooseberry (*Physalis peruviana*) in the Ecuadorian Andes. *Revista Ecuatoriana de Medicina y Ciencias Biológicas*, 40: 77-85. <https://doi.org/10.26807/remcb.v40i2.55>
1. Dávila, M. F., **W. Chaves-Acuña** & J. Yáñez. 2018. Fungal communities isolated from symptomatic naranjilla (*Solanum quitoense* Lam.) leaves in the Ecuadorian Amazon region. *Revista Ecuatoriana de Medicina y Ciencias Biológicas*, 39: 39-49. <https://doi.org/10.26807/remcb.v39i1.561>

CONGRESS PARTICIPATION

2017 Benefits of parental care in the green-striped glassfrog (Anura: Centrolenidae)

Oral Presentation – *XL Latin American Congress of Herpetology*. Ecuador

2015 Advertisement call and acoustic behavior of the green-striped glassfrog in the Central Caribbean of Costa Rica

Oral Presentation – *II Student Symposium of Biology, Universidad de Costa Rica*. Costa Rica

2011 Reproductive behavior of the green-striped glassfrog

Oral Presentation – *XVI Congress of the Mesoamerican Society for Biology and Conservation*. Panamá

GRANTS

2020 STRI Short Term Fellowship, “Reproductive ecology of the bromeliad-dwelling frog *Isthmohyla zeteki* (Anura: Hylidae)”

Smithsonian Tropical Research Institute, STRI. USA/Panamá

2019 Doctoral Fellowship, “Diversity and evolution of the tree-frog genus *Isthmohyla*”

National Scientific and Technical Research Council (CONICET). Argentina

2019 Pilot research grant, Fund 502 Glaxo Central America Fellowship and Fund 521 Lillian and Murray Slatkin Fellowship, “Trophic egg provision in the bromeliad tree-frog *Isthmohyla picadoi* (Anura: Hylidae) at an elfin forest”

Organization for Tropical Studies. USA/Costa Rica

2015 Course grant, “Tropical Ecology and Conservation”

Organization for Tropical Studies. USA/Costa Rica

2015 Pilot research grant, Fund 512 Emily Foster and Fund 502 Glaxo-Wellcome, “Phonotactic responses and agonistic calls of *Oophaga pumilio* against the invasion of a bimodal model in La Selva, Costa Rica”

Organization for Tropical Studies. USA/Costa Rica

AFFILIATION TO SCIENTIFIC SOCIETIES

2020 American Society of Ichthyologists & Herpetologists

Lawrence, KS 66044 USA

2020 Society for the Study of Amphibians and Reptiles

Topeka, KS 66604 USA

COURSES, INTERNSHIPS AND SEMINARS,

2020 Working with amphibians in research settings

Collaborative Institutional Training Initiative – Smithsonian Institution

2019 XI Leading labs training workshop for DNA barcoding 2019”

Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”-CONICET. Argentina –

Coordinator: Ph.D. Pablo Tubaro

2018 Online course, “Research Writing in the Sciences & Additional topics completed: (1) Writing a Grant Proposal; (2) Communicating Research Outside Academia” (badge type 4) – <https://moodle.inasp.info/badges/badge.php?hash=cd96363d8c3920dbd7ddf02245839d61fb08dfd2>

AuthorID and INASP. UK – Coordinator: Andy Nobes

2018 Seminar, “Biodiversity sampling methods and their importance for businesses in the touristic and agricultural sectors of the Neotropics”

Puro Verde Paraiso Forestal. Costa Rica – Coordinator: Ph.D. Gunther Köhler

2016-2017 Internship, Centro Jambatu de Investigación y Conservación de Anfibios

Fundación Otonga – Coordinator: Ph.D. Luis Coloma

2015 Graduate course, ETC-2015 “Tropical Ecology and Conservation”

Organization for Tropical Studies. USA/Costa Rica – Coordinators: M.Sc. Federico Chinchilla, Ph.D. Fernando Soley

2013 Undergraduate course, BIOL20552 “Tropical Ecology and Conservation”

Manchester University. UK – Coordinator: Ph.D. Amanda Bamford

TEACHING EXPERIENCE

2017 – 2020 Teaching assistant, “Field Ecology: Skills for Science and Beyond”

Organization for Tropical Studies. USA/Costa Rica – Coordinator: Ph.D. Carissa Ganong

2018 English Instructor, (Basic, Intermediate & Advanced)

Underground School of Languages. Argentina – Coordinator: Maria S. Seijas

2015 Teaching assistant, “Herpetology” B-0417

Universidad de Costa Rica. Costa Rica – Coordinator: M.Sc. Gerardo Chaves

2014 – 2016 Teaching assistant, “Introduction to Biology I” B-0161

Universidad de Costa Rica. Costa Rica – Coordinators: M.Sc. Federico Bolaños & M.Sc. Monika Springer

2013 – 2015 Laboratory Instructor, “General Biology” B-0107

Universidad de Costa Rica. Costa Rica – Coordinator: Ph.D. Adarli Romero

2013 – 2015 Teaching assistant, “Introduction to Biology II” B-0163

Universidad de Costa Rica. Costa Rica – Coordinator: M.Sc. Federico Bolaños

ADVISING EXPERIENCE

2020 Tutor, Supervised Professional Practice, “Hylid diversity in the Cerro Carraigres, Costa Rica”

Universidad Nacional de Costa Rica. Costa Rica – Student: Luis Alejandro Valverde

WORK EXPERIENCE

2017 Biologist, Disease and plague monitoring in commercial crops of Cape gooseberry (*Physalis peruviana*) in Ecuador

Pontificia Universidad Católica del Ecuador. Ecuador

2016 – 2017 Biologist, Conservation of Ecuadorian amphibians and sustainable use of genetic resources

Fundación Otonga. Ecuador

2016 – 2017 Research assistant, Monitoring of the climate change impact in the Andes / Monitoreo del Impacto del Cambio Climático en los Altos Andes (MICCAA)

Pontificia Universidad Católica del Ecuador. Ecuador

2014 – 2017 Naturalist guide

Veragua Rainforest. Costa Rica

2015 – 2016 Biologist

Veragua Foundation. Costa Rica

2015 Consultancy, Island restoration: Pinzón Island

Island Conservation. Ecuador

2015 Biologist, Multimodal agonistic responses in the cryptic frog *Allobates femoralis*

Universidad de Costa Rica & Pontificia Universidad Católica del Ecuador. Costa Rica/Ecuador

2015 Biologist, Family Agriculture: Food and nutritional security, and its relation with food self-sufficiency and the sustainability of the natural resources management in the Coto Brus canton, Región Brunca, Costa Rica

Universidad de Costa Rica. Costa Rica

2015 Translator, Environmental Projects

Universidad para la Cooperación Internacional. Costa Rica

ENVIRONMENTAL EDUCATION

2019 Expositions, “The Origin of Anurans”, “La Noche de los Museos”

Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”-CONICET. Argentina

2013 – 2018 Blog, Veragua Foundation for Rainforest Research

www.veraguarainforest.com/blog. Costa Rica

2016 Seminar, “Environmental education through theater in Limón, Costa Rica.”

Veragua Foundation for Rainforest Research & Universidad de Costa Rica. Costa Rica

2015 Seminar, “Amphibians and reptiles of the Costa Rican South Pacific”

Universidad de Costa Rica. Costa Rica

2014 Blog, Frog Blog Manchester

www.frogblogmanchester.com. UK

VOLUNTARY WORK

2014 Clodomiro Picado Institute

Universidad de Costa Rica. Costa Rica – Coordinator: M.Sc. Aarón Gómez

CREATIVE WRITING

Chaves-Acuña, W. 2019. A Glass Song. *Revista de Lenguas Modernas*. 30: 347

REFERENCES

- Ph.D. Julián Faivovich
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- Ph.D. Carissa Ganong
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- M.Sc. Federico Bolaños Vives
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