

Curriculum vitae

Luisa Maria Viegas Becerra Urtiaga

Name in publications: Luisa Maria Diele-Viegas

11, Baependi St. Ondina, Salvador, Bahia, Brazil 40170-070

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Email: luisa.mviegas@gmail.com

Current position:

2019 – present **Postdoctoral researcher at Federal University of Bahia**

Supervisor: Ricardo Dobrovolski

Department of Biology

Research Group in Macroecology and Macroevolution

Federal University of Bahia - UFBA

Education:

2018 – 2019 **PhD Exchange Visitor at Ohio University**

Supervisor: Donald B. Miles (OU)

Department of Biological Sciences

Ohio University - OU

2017 – 2019 **PhD in Ecology and Evolution**

Supervisors: Carlos Frederico Duarte da Rocha (UERJ) and Fernanda Pinho Werneck (INPA)

Programa de Pós-graduação em Ecologia e Evolução

Departamento de Ecologia

Universidade do Estado do Rio de Janeiro – UERJ

Defense scheduled to March 11, 2019

2015 – 2017 **MSc in Zoology/Evolution**

Supervisors: Helder Lima de Queiróz (MPEG) and Teresa Cristina Sauer de Ávila Pires (MPEG)

Programa de Pós-graduação em Zoologia/Evolução

Departamento de Zoologia

Museu Paraense Emílio Goeldi/Universidade Federal do Pará - MPEG/UFPA

2010-2014

Biological Sciences - Bachelor in Zoology

Supervisor: Daniel Fernandes da Silva (UFRJ)

Universidade Federal do Rio de Janeiro – UFRJ

Peer-Reviewed Publications:

- 2019** **Diele-Viegas, LM, Werneck, FP and Rocha, CFD.** Demography and population sensitivity to global warming from three species of Amazonian lizards. *Comparative Biochemistry and Physiology - Part A*, 236, 110530. <https://doi.org/10.1016/j.cbpa.2019.110530>
- 2019** **Rodrigues, MT, Cumplido, R, Steinwender, D, Quintanilha, DB, Melo, UG, Quintanilha, POP, Diele-Viegas, LM.** Predation Record of Tropical House Gecko (*Hemidactylus mabouia*) (Reptilia: Squamata: Gekkonidae) by Guira Cuckoo (*Guira guira*) (Aves: Cuculiformes: Cuculidae) in the Region of Arraial do Cabo, East Coast of Rio de Janeiro State, Brazil. *Open Access Library Journal*, 06, 1-5.
- 2018** **Diele-Viegas, LM and Rocha, CFD.** Unraveling the influences of climate change in Lepidosauria (Reptilia). *Journal of Thermal Biology*, 78, 401-414. <https://doi.org/10.1016/j.jtherbio.2018.11.005>
- 2018** **Diele-Viegas, LM, Vitt, LJ, Sinervo, B, Colli, GR, Werneck, FP, Miles, DB, Magnusson, WE, Santos, JC, Sette, CM, Caetano, GHO, Pontes, E and Avila-Pires, TCS.** Thermal physiology of Amazonian Lizards. *PLoS One*, 13(3): e0192834. <https://doi.org/10.1371/journal.pone.0192834>
- 2018** **Pontes-da-Silva, E, Magnusson, WE, Sinervo, B, Caetano, GHO, Miles, DB, Colli, GR, Diele-Viegas, LM, Fenker, J, Santos, JC and Werneck, FP.** Extinction risks forced by climatic change and intraspecific variation in the thermal physiology of a tropical lizard. *Journal of Thermal Biology*, 73: 50-60. <https://doi.org/10.1016/j.jtherbio.2018.01.013>

- Submitted** **Diele-Viegas, LM, Menezes, VA, Sinervo, B, Miles, DB and Rocha, CFD.** Climate change implications on thermal biology and vulnerability of the African hallow in South America, the endemic skink *Trachylepis atlantica*. *Ecography* (under review).
- Submitted** **Diele-Viegas, LM and Rocha, CFD.** Perspectives of Amazon vulnerability to climate change and Brazil's political instability. *Environmental Conservation* (under review).
- Submitted** **Diele-Viegas, LM and Rocha, CFD.** The fate of the island: Will global warming make an important Brazilian archipelago disappear? *Ocean and Coastal Management* (under review).
- Submitted** **Caetano, GHO, Santos, JC, Godinho, LB, Cavalcante, VHGL, Diele-Viegas, LM, Campelo, PH, Martins, LF, Oliveira, AFS, Alvarenga, JM, Wiederhecker, HC, Silva, VN, Werneck, FP, Miles, D, Colli, GR, Sinervo, BR.** Time of activity is a better predictor than environmental temperature for the distribution of a tropical lizard. *Ecography* (under review).
- Submitted** **Lopes, GS, Boffy, ACM, Heliodoro, G and Diele-Viegas, LM.** Population structure of the common sloth *Bradypus variegatus* Schinz, 1825 in an urban fragment of Atlantic Forest, Brazil. *Population Ecology* (under review).

E-books:

- 2019** **Thigpen, R., Moreira, I. and Diele-Viegas, L. M.** Os manguezais. *Marine Conservation without Borders ISBN-13: 978-1-7322840-7-4. Marine Frontiers.*

Texts in Magazines

- 2019** **Diele-Viegas, LM and Rocha, CFD.** O aquecimento global, a Amazônia e os... Lagartos???. *Ciência Hoje das Crianças*, <http://chc.org.br/artigo/o-aqu>, 27 fev. 2019.
- 2019** **Diele-Viegas, LM and Rocha, CFD.** Climate Change and Brazil's political perspectives are threatening the Amazon. *Science*, p. 1 - 1, 14 jun. 2019.

Awards and Scholarships:

- 2019 – Present** **Industrial Development Fellowship (380601/2019-2)**
Conselho Nacional de Desenvolvimento Científico e Tecnológico

- 2018 – 2019** **Graduate support Fellowship program: PhD Sandwich Fellowship program (88881.188452/2018-01)**
Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES
Department of Biological Sciences
Ohio University
- 2017 – 2019** **Graduate support Fellowship program: PhD research Scholarship in Ecology and Evolution (88882.182446/2018-01)**
Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES
Programa de Pós-graduação em Ecologia e Evolução
Departamento de Ecologia
Universidade do Estado do Rio de Janeiro
- 2016** **Thomas-Lovejoy research fellowship**
Grant for field research - R\$5000.00
- 2015 – 2017** **Graduate support Fellowship program: MsC research Scholarship in Zoology/Evolution (1482043)**
Programa de Pós-graduação em Zoologia/Evolução
Departamento de Zoologia
Museu Paraense Emílio Goeldi/Universidade Federal do Pará
- 2013 - 2014** **Undergraduate research scholarship**
Conselho Nacional do Desenvolvimento Científico e Tecnológico – CNPq
Departamento de Zoologia
Universidade Federal do Rio de Janeiro
- 2013 - 2014** **Undergraduate research scholarship**
Conselho Nacional do Desenvolvimento Científico e Tecnológico – CNPq
Setor de Herpetologia
Museu Nacional – Universidade Federal do Rio de Janeiro

Academic short courses:

- 2016** **Statistical Software R (20 hours)**
Universidade Federal do Tocantins, Palmas, Tocantins, Brazil.
- 2014** **Physiological models of climate change impacts on reptiles and amphibians. (36 hours)**
Museu Paraense Emílio Goeldi, Belém, Pará, Brazil.
- 2014** **Anfíbios e Répteis: Classificação, Diversidade e Evolução (80 hours).**
Portal Educação de Campo Grande, Pernambuco, Brazil.
- 2013** **Lagartos Brasileiros. (8 hours)**
Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.
- 2013** **Taxidermia de Répteis e Anfíbios (8 hours)**
Sociedade Brasileira de Herpetologia - SBH, Salvador, Bahia, Brazil.
- 2011** **Diversidade de serpentes. (8 hours)**
Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.
- 2011** **História e vida de artrópodes de oito pernas. (8 hours)**
Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.

Conference Abstracts:

- 2018** **Diele-Viegas, LM, Vitt, LJ, Sinervo, B, Colli, GR, Werneck, FP, Miles, DB, Magnusson, WE, Santos, JC and Ávila-Pires, TCS.** Fisiologia térmica dos lagartos da Amazônia (Reptilia: Squamata). In: Congresso Brasileiro de Herpetologia, 2017, Campo Grande. Anais VIII Congresso Brasileiro de Herpetologia, 2017.

Courses ministered:

- 2019** **Diele-Viegas, LM.** Macroecology of Climate Change. Graduate Course for the Ecology and Evolution Graduate Program. Universidade do Estado do Rio de Janeiro. *60 hours*

- 2019** **Diele-Viegas, LM.** Climate Change: The Fault is not in Our Stars. In: Semana Academica de Biologia, Universidade Federal do Estado do Rio de Janeiro (Class ministered) *8 hours*
- 2019** **Diele-Viegas, LM.** From wRong to right: Stats in R environment. In: Biosemana, Universidade Federal do Rio de Janeiro (Class ministered) *8 hours*
- 2019** **Diele-Viegas, LM.** Breathe and don't freak out: How to organize yourself to optimize your academic production. In: Universidade Federal da Bahia, Bahia, Brazil. (Workshop) *3 hours*
- 2019** **Diele-Viegas, LM.** Introduction to Herpetology: the study of amphibians and reptiles. In: Vivamar Cursos Livres, Rio de Janeiro, Brazil. *8 hours*
- 2018** **Diele-Viegas, LM.** Vertebrates' collection and preparation methods. In: Field Techniques on Zoology (Undergrad Course), Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil (Class ministered) *4 hours*
- 2018** **Diele-Viegas, LM.** Field class in Ecology: Bromelians. In: Ecology Elements (Undergrad Course), Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil (Class ministered) *20 hours*
- 2018** **Diele-Viegas, LM.** Birds. In: Fundaments of Biology (Undergrad Course), Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil (Class ministered) *6 hours*
- 2018** **Diele-Viegas, LM.** Introduction to Herpetology: the study of amphibians and reptiles. In: Vivamar Cursos Livres, Rio de Janeiro, Brazil. *8 hours*
- 2018** **Diele-Viegas, LM and Brauna, C.** Biostatistics with no mystery: basic concepts and applicability in R language. In: BioSemana, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil, *8 hours*
- 2018** **Diele-Viegas, LM.** Breathe and don't freak out: How to organize yourself to optimize your academic production. In: Semana da Biologia, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. (Workshop) *3 hours*
- 2018** **Diele-Viegas, LM.** Breathe and don't freak out: How to organize yourself to optimize your academic production. In: Biosemana, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. (Workshop) *3 hours*
- 2018** **Diele-Viegas, LM.** Breathe and don't freak out: How to organize yourself to optimize your academic production. In: Departamento de Ecologia, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. (Workshop) *3 hours*
- 2018** **Diele-Viegas, LM.** Breathe and don't freak out: How to organize yourself to optimize your academic production. In: Instituto de Produtos Naturais, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. (Workshop) *3 hours*

- 2018** **Diele-Viegas, LM.** Climate changes and its influence on animal's life: a global perspective. In: Semana Acadêmica da Biologia, Universidade Federal do Paraná UFPR, Curitiba, Paraná, Brazil. *8 hours*
- 2018** **Figuroa, RT and Diele-Viegas, LM.** Paleocology – integrating paleontological and recent data to understand past and recent climate change. In: Semana de Biologia, Universidade Federal do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. *8 hours*
- 2017** **Diele-Viegas, LM and Cavalcante, VHL.** Modeling the Lizard's vulnerability to global warming. In: Congresso Brasileiro de Herpetologia, Campo Grande, Mato Grosso do Sul, Brazil. *8 hours*
- 2017** **Diele-Viegas, LM.** Climate changes and the vulnerability of Brazilian herpetofauna. In: Semana Acadêmica de Biologia, Universidade Veiga de Almeida, Rio de Janeiro, Brazil. *8 hours*
- 2017** **Diele-Viegas, LM.** Climate changes and the vulnerability of Brazilian herpetofauna. In: BioSemana, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. *8 hours*
- 2017** **Diele-Viegas, LM.** Biology of Brazilian Reptiles. In: OBT Cursos Online. *12 hours.*
- 2017** **Diele-Viegas, LM.** Introduction to R language for ecological studies. In: Semana Nacional de Ciência e Tecnologia, Instituto Federal do Paraná, Paranaguá, Paraná, Brazil. *8 hours.*
- 2017** **Diele-Viegas, LM.** Organization for scientific production. In: Biosemana, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. (Workshop) *3 hours*
- 2017** **Diele-Viegas, LM, Cavalcante, VHL and Pantoja, JAL.** Animal's vulnerability to climate changes. In: Semana Acadêmica de Biologia, Universidade de Brasília, Brasília, Distrito Federal, Brazil. *8 hours*
- 2015** **Rocha, MMB, Missassi, AFR and Diele-Viegas, LM.** Field training on Herpetofauna's inventory and collection techniques. In: Centro Universitário do Estado do Pará, Belém, Pará, Brazil. *30 hours*
- 2013** **Diele-Viegas, LM.** Squamata and its curiosities. In: Bio na Rua UFRJ, Rio de Janeiro, Brazil. (Extension) *8 hours.*

Round Tables ministered:

- 2019** **Diele-Viegas, LM, Strikis, N and Scarano, FR.** Climate change: What does science tells us? In: Pint of Science Brazil, Rio de Janeiro, Brazil.
- 2017** **Diele-Viegas, LM, Tonetti, EL and Gomes, MN.** Computational modeling and Climate changes. In: Semana Nacional de Ciência e Tecnologia, Instituto Federal do Paraná, Paranaguá, Paraná, Brazil.

Lectures ministered:

- 2019** **Diele-Viegas, LM, Figueroa, RT and Rocha, CFD.** Unraveling the influences of climate change on Lepidosauria. In: 9o Congresso Brasileiro de Herpetologia, Campinas, São Paulo, Brazil. *30-minutes talk.*
- 2019** **Diele-Viegas, LM.** Unraveling the influences of climate change on Lepidosauria. In: Universidade Federal da Bahia, Bahia, Brazil. *50-minutes talk.*
- 2019** **Diele-Viegas, LM.** Climate Change: The Fault is not in Our Stars. In: Semana Academica de Biologia, Universidade Federal do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. *50-minutes talk.*
- 2019** **Diele-Viegas, LM.** Vulnerability of Squamata Reptiles to Climate Changes and the role of protected areas on the species' conservation. In: Ecolunch, Ohio University, United States. *50-minutes talk*
- 2018** **Diele-Viegas, LM.** Thermal Physiology of Amazonian Lizards. In: OU/JCU Herpetology Symposium, John Carrol University, Cleveland, Ohio, United States. *15-minutes talk*
- 2018** **Diele-Viegas, LM.** Are reptiles toast? A worldwide evaluation of the Lepidosaurians vulnerability to climate change. In: OU/JCU Herpetology Symposium, John Carrol University, Cleveland, Ohio, United States. *15-minutes talk*
- 2018** **Diele-Viegas, LM.** Are Amazonian lizards toast? A regional evaluation of species' vulnerability to climate change. In: Ecolunch, Ohio University, Athens, Ohio, United States. *40-minutes talk*
- 2018** **Diele-Viegas, LM.** The climate change impacts on Brazilian Biomes and its adaptive capacity. In: Semana de Biologia, Universidade Federal do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. *40-minutes talk*
- 2018** **Diele-Viegas, LM.** Global Warming: a threat to tropical reptiles. In: Projeto TAMAR, Fernando de Noronha, Pernambuco, Brazil. *50-minutes talk*
- 2018** **Diele-Viegas, LM.** Mitigating the effects of global warming on tropical reptiles: What is the role of conservation unities? In: Quinta da Boa Prosa, ICMBio, Fernando de Noronha, Pernambuco, Brazil. *40-minutes talk*
- 2018** **Diele-Viegas, LM.** Climate Change: Past, present, future. In: Semana Academica da Biologia UFPR, Curitiba, Paraná, Brazil. *40-minutes talk.*

- 2017 **Diele-Viegas, LM, Cavalcante, VHL.** Climate changes and the vulnerability of Brazilian Reptiles. In: Congresso Brasileiro de Herpetologia, Campo Grande, Mato Grosso do Sul, Brazil. (Symposium) *60-minute talk*
- 2017 **Diele-Viegas, LM, Sinervo, B, Miles, D., Werneck, FP, Colli, GR, Vitt, LJ, Ávila-Pires, TCS.** Thermal Physiology of Amazonian Lizards. In: Congresso Brasileiro de Herpetologia, Campo Grande, Mato Grosso do Sul, Brazil *15-minutes talk.*
- 2017 **Diele-Viegas, LM.** Climate changes and the vulnerability of Brazilian Herpetofauna. In: Semana Acadêmica de Biologia, Universidade Federal do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. *40-minutes talk*
- 2017 **Diele-Viegas, LM.** Climate changes and the vulnerability of Amazonian Lizards. In: Semana Acadêmica de Biologia, Estácio de Sá, Petrópolis, Rio de Janeiro, Brazil. *50-minutes talk*
- 2017 **Diele-Viegas, LM.** Climate changes and the vulnerability of Amazonian Lizards. In: Semana Acadêmica de Biologia, Universidade Federal Rural do Rio de Janeiro, Rio de Janeiro, Brazil. *40-minutes talk*
- 2017 **Diele-Viegas, LM.** Climate changes and the vulnerability of Amazonian Lizards. In: Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil. *40-minute talk.*
- 2017 **Diele-Viegas, LM.** Climate changes and the Vulnerability of animal's life. In: Semana Nacional de Ciência e Tecnologia, Instituto Federal do Paraná, Paranaguá, Paraná, Brazil. *40-minutes talk.*
- 2016 **Diele-Viegas, LM and Ávila-Pires, TCS.** Climate change and the vulnerability of Amazonian Lizards. In: Museu Paraense Emílio Goeldi, Belém, Pará, Brazil. *30-minutes talk*
- 2016 **Diele-Viegas, LM and Ávila-Pires, TCS.** Climate change and the vulnerability of Amazonian Lizards. In: Museu Paraense Emílio Goeldi, Belém, Pará, Brazil. *40-minutes talk*
- 2015 **Diele-Viegas, LM and Ávila-Pires, TCS.** Quantifying climate extinctions in Amazonian Lizards. In: Museu Paraense Emílio Goeldi, Belém, Pará, Brazil. *40-minutes talk*

Posters:

- 2019 **Diele-Viegas, LM , Santos, DIS, Santos, GC, Cavalcante, VHL, Campelo, PH, Martins, LF, Caetano, GHO, Colli, GR, Werneck, FP, Ávila-Pires, TCS, Miles, D, Sinervo, B, Rocha, CFD.** Vulnerability at community level: Amazonian Lizards. In: 9o Congresso Brasileiro de Herpetologia, Campinas, São Paulo, Brazil.

- 2019** **Amaral-Alves, IM, Nogueira-Costa, P, Almeida-Santos, P, Drummond, L, Diele-Viegas, LM and Rocha, CFD.** Influence of environmental temperature and body mass on body temperature of altitude anurans. In: 9o Congresso Brasileiro de Herpetologia, Campinas, São Paulo, Brazil.
- 2018** **Diele-Viegas, LM, Menezes, VA, Sinervo, B, Miles, DB and Rocha, CFD.** Climate change implications on thermal biology and vulnerability of the African hallow in South America, the endemic skink *Trachylepis atlantica*. In: OU/JCU Herpetology Symposium, John Carrol University, Cleveland, Ohio, United States.
- 2014** **Diele-Viegas, LM, Silva, DF.** Lizards in *Tyto alba* (Scopoli, 1769) pellets (Strigiformes: Tytonidae) in Restinga de Jurubatiba National Park, Rio de Janeiro, Brazil. In: Semana Nacional de Ciência e Tecnologia, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.
- 2013** **Diele-Viegas, LM, Silva, DF.** Preliminary survey of the reptile fauna of the coastal zone of the Campos Basin, Rio de Janeiro, Brazil. In: Semana Nacional de Ciência e Tecnologia, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil.

Graduate research tutoring:

- 2019 – Present** **Ivy Miranda do Amaral Alves (PhD student)**
 Research: Vulnerability of Atlantic Forest Anurans to Climate Change.
 Departamento de Ecologia
 Universidade do Estado do Rio de Janeiro – UERJ
- 2017 – 2019** **Ivy Miranda do Amaral Alves (Master student)**
 Research: Environmental temperature as a key factor for anurans` altitudinal distribution
 Departamento de Ecologia
 Universidade do Estado do Rio de Janeiro – UERJ

Undergraduate research supervised:

- 2018 – 2018** **Bruna Gaetani das Neves**
 Research: The influence of global warming on the reproduction of snakes

Departamento de Ecologia

Universidade do Estado do Rio de Janeiro – UERJ

2017-2017

Bruna Ventura de Azevedo

Research: Diseases propagation by solid residuals: the vector of Dengue`s transmission.

Universidade Veiga de Almeida – UVA

Field work experience:

- 2019 Santa Cruz, California, United States. *2 days*
- 2018 Lake Erie, Ohio, United States. *4 days*
- 2018 South Carolina, United States. *3 days*
- 2018 Restinga do Grumari, Rio de Janeiro, Brazil. *1 day*
- 2018 Fernando de Noronha Archipelago, Pernambuco, Brazil. (Organization) *10 days*
- 2018 Serra dos Órgãos National Park, Teresópolis, Rio de Janeiro, Brazil. *8 days*
- 2017 Mapinguari National Park, Amazonas, Brazil. *15 days*
- 2017 Campos Amazônicos National Park, Amazonas, Brazil. *15 days*
- 2017 Alta Floresta Municipality, Mato Grosso, Brazil. *30 days*
- 2016 Caxiuanã National Forest, Pará, Brazil. (Organization) *25 days*
- 2015 Marajó Island, Pará, Brazil. *21 days*
- 2015 Amapá National Forest, Amapá, Brazil. (Organization) *20 days*
- 2015 Caxiuanã National Forest, Pará, Brazil. (Organization) *25 days*
- 2015 Reserva Florestal Adolpho Ducke, Manaus, Amazonas, Brazil. *25 days*
- 2015 Bujaru Municipality, Pará, Brazil. *2 days*
- 2014 Mendes, Rio de Janeiro, Brazil. *4 days*
- 2013 Mendes, Rio de Janeiro, Brazil. *8 days*
- 2013 Restinga de Maricá, Rio de Janeiro, Brazil. *1 day*
- 2012 Picinguaba, Serra do Mar, São Paulo, Brazil. *6 days*
- 2011 Serra dos Órgãos National Park, Teresópolis, Rio de Janeiro, Brazil. *2 days*

Software experience:

- **Adobe Lightroom** (*experienced*)
- **Adobe Photoshop CS6** (*limited*)
- **Croizat** (*experienced*)
- **Google Earth** (*experienced*)
- **Inkscape** (*experienced*)
- **JMP** (*limited*)
- **Mesquite** (*experienced*)
- **Office Package** (*experienced*)
- **Past** (*limited*)
- **QGis** (*experienced*)
- **R** (*experienced*)
- **TNT** (*experienced*)
- **Zonation** (*limited*)