

Regina Lúcia Guimarães Nobre, Ph.D

Situation: Brazilian, 31 years old (21 January 1990, Mossoró/RN - Brazil), Married, 1 child

Address: 28 Rue Delmas 31400, Toulouse, France

Email: reginanobre.eco@gmail.com

Homepage: <https://reginanobre.github.io/>

EDUCATION

- 03/2016 - 02/2020 **Ph.D in Ecology**
Universidade Federal do Rio Grande do Norte (UFRN), Natal-RN, Brazil
Thesis title: *“Evaluating the influence of land use, landscape properties, precipitation and fish on aquatic ecosystem functioning and biodiversity through large temporal and spatial scale assessments across lakes and reservoirs.”*
Advisors: Dr. Luciana Carneiro and Dr. Adriano Caliman
- 06/2014 - 06/2019 **Bachelor’s degree in architecture & Urbanism**
Universidade Potiguar (UNP), Natal-RN, Brasil
Dissertation title: *“Environmental planning in the city of Natal /RN: a parallel with the concepts of ecology and urban resilience”*
- 02/2014 – 02/2016 **Master in Ecology**
Universidade Federal do Rio Grande do Norte (UFRN), Natal/RN, Brazil
Dissertation title: *“Effects of the introduction of an omnivorous fish on the biodiversity and functioning of an upland Amazonian lake”*
Advisor: Luciana Carneiro
- 11/2013 – 09/2014 **Specialist in Environmental Management**
Federal Institute of Education, Science and Technology of Rio Grande do Norte – IFRN, Natal/RN Brazil
- 08/2008 - 08/2013 **Bachelor’s degree in Ecology**
Universidade Federal do Rio Grande do Norte (UFRN), Natal/RN Brazil

ACADEMIC PROFESSIONAL EXPERIENCE

- 05/2021 – current Post-doctoral researcher at EDB - Laboratoire Evolution & Diversité Biologique, Toulouse – France, working on functional ecology of lakes
Project: SOLAKE – Impacts of floating photovoltaic installations on lake ecosystems
Supervised by Julien Cucherusset and S. Boulêtreau
- 08/2017 – 05/2018 Visiting Researcher at Miami University, Oxford, OH, US
Advisor: Michael Vanni
Project: “Evaluating the role of fish carcasses decomposition in nutrients cycling in a eutrophic lake using 20 years data”
- 03/2016 – 09/2016 Research internship in the program “Sustainable houses”

	UNP – Universidade Potiguar, Brazil
Spring 2013	Undergraduate research intern at University of Wisconsin Madison, WI, US Supervisor: Jake Vander Zanden and Jereme Gaeta Project: Documenting Lake area change during drought (2005 – 2010) in Wisconsin's Northern Highlands Lake District with remote sensing and aerial photos
Summer 2012	Summer undergraduate intern at Mývatn Research Station - Iceland Supervisor: Anthony Ives and Mireia Bartrons Project: "LTREB: High-amplitude midge fluctuations and the ecosystem dynamics of Lake Mývatn, Iceland"
01/2011 – 05/2012	Scholarship of scientific initiation sponsored by CNPq Project: "How varies the relative contribution of organic matter (autochthonous and allochthonous) in the biomass of aquatic consumers in different aquatic systems and ecological contexts: A meta-analytical study"

OTHER SCIENTIFIC ACTIVITIES

Advising

Bachelor Student

- Otávio de Sena (Ongoing), co-advised with Caliman, A., UFRN, Brazil.
Temporal evolution of land use in the watershed of tropical lakes and reservoirs

Reviewer

Journals

- Freshwater Science
- Science of the Total Environment
- Acta Limnologica Brasiliensia (ALB)

Participation to juries

- Jury member for the master's project qualification of Carolina Oliveira Vale (21/06/2021), Multitemporal evaluation of land use and occupation in the Chapéu D'uva reservoir sub-basin, UFJF - Universidade Federal de Juiz de Fora
- Jury member for the Ph.D. thesis defense of Emerson Silva Dias (28/08/2020), "Biodiversity effects on aquatic ecosystem functioning on multiple trophic levels – an observational study", UFRN – Universidade Federal do Rio Grande do Norte
- Jury member for the B.Sc. dissertation defense of Sibeles de Souto (20/11/2019), "Effects of the home field advantage mechanism on the decomposition of *Myrcia ramuliflora* leaf debris in Restinga forest", UFRN – Universidade Federal do Rio Grande do Norte

Undergraduate teacher assistant

- | | |
|-------------------|---|
| 04/2010 – 02/2011 | Monitor of the course "Operational Ecology" within the project "In search of ecological knowledge" (CH: 516 hs) |
|-------------------|---|

OTHER POSITIONS

11/2016 – 04/2017 Undergraduate internship in architecture and urbanism at *Planeje Arquitetura Urbanismo* Natal/RN, Brasil

PUBLICATIONS

Google Scholar: <https://scholar.google.com.br/citations?user=7iyr6pUAAAAJ&hl=en&oi=ao>

Accepted articles [number of citations]

Nobre, R. L. G., Caliman, A., Cabral, C., Guérin, Carneiro, L.S., Vanni, M., et al. (2020). Precipitation, landscape properties and land use interactively affect water quality of tropical freshwaters. *Science of The Total Environment*, 716, 137044. [25]

Resende, F., Denman, L., Selva, G., Campanhão, L., **Nobre, R. L. G.**, et al. (2020). A conceptual model to assess the impact of anthropogenic drivers on water-related ecosystem services in the Brazilian Cerrado. *Biota Neotropica*, 20 (suppl. 1): e20190899 [3]

Nobre, R. L. G., Carneiro, L. S., González, M. J., Vanni, M. J., & Panek, S. E. (2019). Fish, including their carcasses, are net nutrient sources to the water column of a eutrophic lake. *Frontiers in Ecology and Evolution*, 7, 340. [3]

Nobre, R. L. G., Caliman, A., Guariento, R. D., Bozelli, R. L., & Carneiro, L. S. (2019). Effects of the introduction of an omnivorous fish on the biodiversity and functioning of an upland Amazonian Lake. *Acta Amazonica*, 49(3), 221-231.

Cabral, C. R., Guariento, R. D., Ferreira, F. C., Amado, A. M., **Nobre, R. L. G.**, Carneiro, L. S., & Caliman, A. (2019). Are the patterns of zooplankton community structure different between lakes and reservoirs? A local and regional assessment across tropical ecosystems. *Aquatic Ecology*, 53(3), 335-346. [6]

Junger P.C., Costa F.C., **Nobre R. L. G.**, Kosten S., Martins E., Carvalho F. De, et al. (2019) Effects of seasonality, trophic state and landscape properties on CO₂ saturation in low-latitude lakes and reservoirs. *Science of the Total Environment* 664, 283–295. [7]

Almeida R.M., Nóbrega G.N., Junger P.C., Figueiredo A.V., Andrade A.S., de Moura C.G.B., **Nobre, R. L. G.**, et al. (2016) High primary production contrasts with intense carbon emission in a eutrophic tropical reservoir. *Frontiers in Microbiology* 7. [51]

Bartrons, M., Einarsson, Á., **Nobre, R. L. G.**, Herren, C. M., Webert, K. C., S. Brucet, Ólafsdóttir, S. R., and Ives, A. R. 2015. Spatial patterns reveal strong abiotic and biotic drivers of zooplankton community composition in Lake Mvatn, Iceland. *Ecosphere* 6(6):105. [18]

RELEVANT CONFERENCES

2021 10th International Shallow Lakes Conference, held remotely – Oral presentation “Precipitation, landscape properties and land use interactively affect water quality of tropical freshwaters”

- 2018 SFS – Society for freshwater science Annual meeting. Detroit/MI – USA - Oral presentation: “When are fish sources vs. Sinks of nutrients in lake ecosystems? The role of carcass decomposition”
- 2018 Annual US - International Association for Landscape Ecology meeting, US - IALE, Estados Unidos – Chicago/IL.
- 2015 XV Brazilian Congress of Limnology - Oral presentation: “Effects of a translocated omnivorous fish (*Astyanax bimaculatus*) on benthic and pelagic community structure of an upland Amazonian lake” Maringá/PR - Brazil
- 2013 XIV Brazilian Congress of Limnology - Oral presentation “A meta-analytical study on the use of carbon stable isotope in matter flow across ecosystems” Natal/RN - Brazil

PRIZES AND AWARDS

- 2021 Honorable mention for best thesis defended in 2020 from the Ecology Postgraduate program of UFRN - Federal University of Rio Grande do Norte.
- 2018 Fulbright Doctoral Dissertation Research Award 2018 (9 months scholarship at Miami University – Oxford, OH)
- 2015 Best oral presentation at the XV Brazilian Congress of Limnology, Brazilian Association of Limnology.
- 2013 Student Merit Medal - Best student of class 2013.1, B.Sc. Ecology. UFRN - Federal University of Rio Grande do Norte.
- 2012 Science Without Borders Scholarship 2012.2 - 2013.1 (1 year scholarship at University of Wisconsin – Madison, WI)

SERVICE AND OUTREACH

- 2020 Forest Code Protection for lakes and dams is insufficient in the Semiarid Region – National press release
<http://www.diretodaciencia.com/2020/03/04/protecao-do-codigo-florestal-para-lagos-e-represas-e-insuficiente-no-semiarido>
- 2020 Conservation area around lakes and dams needs to be larger than what Forest Code states – National press release
<https://abori.com.br/ambiente/area-de-conservacao-de-entorno-de-lagos-e-represas-precisa-ser-maior-do-que-diz-codigo-florestal/>
- 2016 Worked as a volunteer at Greenbuilding Brazil International Conference and Expo (GBC – Brazil), SP Expo Exhibition & Convention Center, São Paulo-SP, Brazil.
- 2013 Worked as part of the organization committee of XIV Brazilian Congress of Limnology- Natal/RN - Brazil
- 2010 Worked as a volunteer at 62° Meeting of the Brazilian Society for the Progress of Science (SBPC) - Natal/RN, Brasil

LANGUAGES

Portuguese	Native speaker
English	Fluent
French	Intermediate level
Spanish	Intermediate level