

CAIO GRACO RODRIGUES

LEANDRO ROZA

I am a community ecologist focused on species and functional biogeography. I developed frameworks to study the effects of environmental variation in community composition and how species commonness drive community variation at a regional level in different spatial scales.
I am currently looking for a postdoctoral position that allows me to go deeper into the spatial distribution of species and their traits.



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EDUCATION

2020
|
2016

PhD. Candidate, Limnology

Rio de Janeiro State University

Visiting student: University of Helsinki (Jan-Dec 2019)

 Rio de Janeiro, BR

- Thesis: From biotic interactions to biogeography: Niche and neutral dynamics at multiple scales.
- Supervisor: Dr. Marcelo Manzi Marinho
- Co-supervisor: Dr. Janne Soininen

2016
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2014

Master Candidate, Plant Biology

Rio de Janeiro State University (UERJ)

 Rio de Janeiro, BR

- Dissertation: Phytoplankton diversity of the upper, medium and lower course of Piabanha river, RJ.
- Supervisor: Dr. Marcelo Manzi Marinho
- Co-supervisor: Dr. Patricia Domingos

2013
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2010

B.S., Biology with emphasis in Ecology

Universidade do Grande Rio

 Rio de Janeiro, BR

- Monograph: Characterization of the phytoplankton community from Piabanha River, RJ
- Supervisor: Dr. Patricia Domingos

TEACHING EXPERIENCE

2021
|
2016

Biostatistics

Rio de Janeiro State University (UERJ)

 Rio de Janeiro, BR

- Lectured
- postgraduate level
- Begginers level

CONTACT

 caiograkor@gmail.com

 Graco-Roza

 github.com/graco-roza

in

<https://www.linkedin.com/in/caio-graco-roza-862846180/>

LANGUAGE SKILLS

English

Portuguese

Spanish

French

Made with the R package
[pagedown](#).

The source code is available on
github.com/nstrayer/cv.

Last updated on 2021-02-26.

2020
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2020

Functional diversity

Rio de Janeiro State University (UERJ)

📍 Rio de Janeiro, BR

- Lectured
- postgraduate level
- The course covers both theoretical and methodological approaches on the study of functional diversity

2019
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2017

Statistical Computing in R

Rio de Janeiro State University (UERJ)

📍 Rio de Janeiro, BR

- Lectured
- postgraduate level
- Beginners level



SELECTED PUBLICATIONS, POSTERS, AND TALKS

Downstream transport processes modulate the effects of environmental heterogeneity on riverine phytoplankton

- Published
- Science of the Total environment (Volume 703, February 2020)
- **Caio Graco-Roza**, Juliana B Santos, Vera L Huszar, Patricia Domingos, Janne Soininen, Marcelo Manzi Marinho

Clumpy coexistence in phytoplankton: The role of functional similarity in community assembly

- Preprint. Under Review (Second Round)
- BioRxiv (Reviewed by PCI Ecology)
- **Caio Graco-Roza**, Angel M Segura, Carla Kruk, Patricia Domingos, Janne Soininen, Marcelo Manzi Marinho

Functional rather than taxonomic diversity reveals the changes in phytoplankton community of a large dammed river

- Published
- Ecological Indicators
- **Caio Graco-Roza**, Janne Soininen, Gilsineia Correa, Felipe S Pacheco, Marcela Miranda, Patricia Domingos, Marcelo M Marinho

Distance decay 2.0: a global study of taxonomic and functional turnover across taxa

- Submitted
- Ecography
- **Caio Graco-Roza**, Janne Soininen, Sonja Aarnio, Nerea Abrego, Alicia Acosta, Janne Alahuhta, Claudia Angiolini, Fabio Attorre, Yoni Belmaker, Idoia Biurrun, Gianmaria Bonari, Helge Bruelheide, Marta Carboni, Giuseppe Castaldelli, Morten Christensen, Gilsineia Correa, Iwona Dembicz, Jürgen Dengler, Patricia Domingos, Tibor Eros, Eduardo Leite Ferreira, Sergio R. Floeter, Alan Friedlander, Johanna Gammal, Anna Gavioli, Martin Gossner, Itai Granot, Camilla Gustafsson, Brian Hayden, Siwen He, Jacob Heilmann-Clausen, John Hunter, Vera Lucia de Moraes Huszar, Jiri Dolezal, Jenny Jyrkänkallio-Mikkola, Kimmo Kahilainen, Julia Kemppinen, Lukasz Kozub, Michele Kulbicki, Aleksi Lehikoinen, Angel Lopez-Urrutia, Miska Luoto, Marcelo Manzi Marinho, Jörg Müller, Luciana da Silva Menezes, Marco Milardi, Marcela Miranda, Gleyci Moser, Pekka Niittynen, Alf Norkko, Arkadiusz Nowak, Gerhard E. Overbeck, Otso Ovaskainen, Virpi Pajunen, Félix Picazo, Juan Antonio Campos Prieto, Ivan Rodil, Peter le Roux, Francesco Maria Sabatini, Shira Salinger, Michele de Sanctis, Michael Scherer-Lorenzen, Angel M. Segura, Felipe Pacheco Siqueira, Anette Teittinen, Kimmo T. Tolonen, Leena Virta, Beixin Wang, Jianjun Wang, Wolfgang Weisser, Yuan Xu & Jani Heino

The role of commonness and rarity to the contribution of species to functional diversity across spatial scales.

- In prep.
- **Caio Graco-Roza** et al.

Scientists' warning on incomprehensible science

- Submitted
- Global challenges
- Stefano Mammola, William J. Ripple, Pedro Cardoso, Dan Chamberlain, Andrea Di Cesare, Gianluca Corno, Ester M. Eckert, Diego Fontaneto, Volker Grimm, Alejandro Martínez, **Caio Graco-Roza**, Masahiro Ryo, Raffaella Sabatino, Maria Belen Sathicq, Laura N. H. Verbrugge, Zoë A. Doubleday

Biotic homogenization by human impact in aquatic and terrestrial ecosystems.

- In prep.
- Mark Wong, **Caio Graco-Roza**, Janne Soininen, Florian Altermatt, Martin Gossner

Efficiency of the Floc & Sink technique for controlling cyanobacterial blooms in a tropical reservoir under a seasonal variation

- Submitted
- Water Research
- Erick Drummond, Vivian Balthazar Gonçalves Leite, Natália Pessoa Noyma, Leonardo de Magalhães, **Caio Graco-Roza**, Vera Lúcia Huzar, Miquel Lüring, Marcelo Manzi Marinho

The role of rarity and commonness on the distance decay of similarity.

- In prep.
- Caio Graco-Roza, Guillaume Latombe, Cang Hui, Angel M. Segura, Vera Huszar, Marcelo Manzi, Janne Soininen