

GUILHERME N. CORTE

Assistant Professor
Department of Marine Biology
Texas A&M University at Galveston
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EDUCATION

03/2011- 05/2016	PhD in Ecology State University of Campinas, Brazil
03/2008- 02/2011	Master in Ecology State University of Campinas, Brazil
03/2003- 12/2007	B.Sc.; Biology State University of Campinas, Brazil

PROFESSIONAL EXPERIENCE

08/2024- present	Assistant Professor Texas A&M University at Galveston, TX, USA
01/2023- 07/2024	Assistant Professor of Biology University of the Virgin Islands, USVI, USA
12/2021- 12/2022	Visiting Scholar Smithsonian Environmental Research Center, Maryland, USA
12/2021- 12/2022	Post-doctoral Researcher University of São Paulo, São Paulo, Brazil
01/2021- 12/2021	Post-doctoral Researcher Institute of Marine Research Admiral Paulo Moreira, Brazilian Navy
08/2020- 01/2023	Lecturer/Lab head University of Vale do Itajaí, Santa Catarina, Brazil
12/2017- 12/2020	Post-doctoral Researcher University of São Paulo, São Paulo, Brazil
09/2016- 07/2017	Post-doctoral Researcher State University of Campinas, São Paulo, Brazil
10/2014- 09/2015	Visiting Scholar University of Sydney, New South Wales, Australia
07/2010- 02/2011	Trainee São Paulo State Environmental Company, São Paulo, Brazil

PUBLICATIONS

PUBLISHED ARTICLES (*denotes students advisee)

2024

42. Amaral, A.C.Z.; Cunha, B.P.; Checon, H.H.; Godoy, A.S.; Silva, C.F.; **CORTE, G.N.**; Nogueira, J.M.M.; Fukuda, M.V.; Steiner, T.M.; Kawachi, G.Y.; Turra, A.; Denadai, M.R.; Ferreira, L.; Mendonça, J.B.; Tavares, M.; Leite, F.P.P.; Costa, M.F.B.; Siqueira, S.G.L.; Vieira, L.M.; Dias, G.M. 2024. The high biodiversity of benthic organisms in a coastal ecosystem revealed by an integrative approach. *Biota Neotropica*, 24, p. e20231583, 2024.

2023

41. **CORTE, G.N.**; Shah Esmaeili, Y.; Maria, T.F.; Costa, L.L.; Mattos, G.; Checon, H.H.; Malinconico, N.; Paiva, P.C.; Debiasi, P.; Cabrini, T.; Seixas, V.C.; Bulhões, E.; Rosa Filho, J.S.; Colling, L.A.; Rosa, L.C.; Yokoyama, L.Q.; Cardoso, R.; Pombo, M.; Mancini, P.L.; Xavier, L.Y.; Santos, T.; Petracco, M.; Bechara, L.S.; Laurino, I.R.A.; Di Domenico, M.; Odebrecht, C.; Klein, A.H.F.; Rocha Barreira, C.A.; Soares-Gomes, A.; Zalmon, I.R.; Amaral, A.C.Z.; Turra, A.; Barboza, C.A.M. 2023. The science we need for the beaches we want: frontiers of the flourishing Brazilian ecological sandy beach research. *Frontiers in Marine Science*, v. 10, p. 1.

40. Checon, H.H.; **CORTE, G.N.**; Shah Esmaeili, Y.; Laurino, I.R.A.; Turra, A. 2023. Sandy beach bioindicators: How each benthic taxon tells its own story. *Ocean & Coastal Management*, v. 240, p. 106645.
39. Schlender, K*.; **CORTE, G.N.**; Durdall, A.; Habtes, S.; Grimes, K.W. 2023. Urbanization driving *Ocypode quadrata* burrow density, depth, and width across Caribbean beaches. *Ecological Indicators*, v. 153, p. 110396.
38. Checon, H.H.; Costa, H.H.R.; **CORTE, G.N.**; Souza, F.M.; Pombo, M. 2023. Rainfall Influences the Patterns of Diversity and Species Distribution in Sandy Beaches of the Amazon Coast. *Sustainability*, 15, 5417. <https://doi.org/10.3390/su15065417>
37. Fernandes, L.D.A. ; **CORTE, G.N.** ; Moura, L.; Reis, C.; Matos, T.; Moreno, D.; Cortez, P.S.; De Carvalho, W. F.; Monteiro-Ribas, W.; Gonçalves, J.E.A. ; Ribeiro, F.; Thomazelli, F.; Rizzini-Ansari, N. ; Neto, E.B.F.; Gaelzer, L.R.; De Souza Martins, E.; Lobão, M.M.; Baeta-Neves, M.H.; Coutinho, R. 2023. Effects of dredging activities and seasonal variation on coastal plankton assemblages: results from 10 years of environmental monitoring. *Environmental Monitoring and Assessment*, 195, 261.
36. Checon, H.H.; **CORTE, G.N.**; Shah Esmaeili, Y.; Muniz, P.; Turra, A. 2023. The efficacy of benthic indices to evaluate the ecological quality and urbanization effects on sandy beach ecosystems. *Science of The Total Environment*, 856: 159190.

2022

35. Reis, C.* , **CORTE, G.**, Fernandes, L. 2022. Multi-scale temporal variation of marine femtoplankton and picophytoplankton: the role of size and environment. *Ocean and Coastal Research*, 70: e22033.
34. Laurino, I.R.A., Checon, H.H., **CORTE, G.N.** Turra, A. 2022. Does coastal armoring affect biodiversity and its functional composition on sandy beaches? *Marine Environmental Research*, 181: 105760.
33. **CORTE, G.N.**; Checon, H.H.; Shah Esmaeili, Y.; Defeo, O.; Turra, A. 2022. Evaluation of the effects of urbanization and environmental features on sandy beach macrobenthos highlights the importance of submerged zones. *Marine Pollution Bulletin*, 182: 113962.
32. Checon, H.H.; Shah Esmaeili, Y.; **CORTE, G.N.**; Malinconico, N.; Turra, A. 2022. Locally developed models improve the accuracy of remote sensing as a rapid tool to assess and classify sandy beach morphodynamics. *PeerJ*. 10: e13413

2021

31. Shah Esmaeili, Y.M.L.; Checon, H.H.; **CORTE, G.N.**; Turra, A. 2021. Parasitism by isopods in sandy beach fish assemblages: role of urbanization and environmental characteristics. *Hydrobiologia*, 848: 4885–4901.
30. Shah Esmaeili, Y.M.L.; **CORTE, G.N.**; Checon, H.H.; Bilatto, C.G., Amaral, A.C.Z.; Turra, A. 2021. Revealing the drivers of taxonomic and functional diversity of nearshore fish assemblages: implications for conservation priorities. *Diversity and Distributions*, 00, 1–13.
29. Checon, H.H., **CORTE, G.N.**, Yokoyama, L.Q., Silva, M., Turra, A. 2021. Night underwater rides: the movement of a sandy beach gastropod is governed by interactive effects of tide and diel cycles. *Marine Biology Research*, 17:5-6, 523-528.
28. Checon, H.H., **CORTE, G.N.**, Silva, C.F., Amaral, A.C.Z. 2021. Using the *Capitella* complex to investigate the effects of sympatric cryptic species distinction on ecological and monitoring studies in coastal areas. *Marine Biodiversity*, 51, 48.
27. Shah Esmaeili, Y., **CORTE, G.N.**, Checon, H.H., Lefcheck, J.S., Amaral, A.C.Z. 2021. Comprehensive assessment of surf zone fish biodiversity requires a combination of traditional and newly-developed sampling methods. 2021. *Marine Ecology Progress Series*, 667:131-144.
26. **CORTE, G.N.**, Checon, H.H., Shah Esmaeili, Y., Lefcheck, J.S., Amaral, A.C.Z. 2021. Mangrove fragments as key coastal reservoirs of taxonomic and functional biodiversity. *Biodiversity and Conservation*, 30: 1573–1593.
25. Vieira, D. C., Gallucci, F., **CORTE, G.N.**, Checon, H. H., Amaral, A.C.Z., Fonseca, G. 2021. The relative contribution of non-selection and selection processes in marine benthic assemblages. *Marine Environmental Research*, 163: 105223.

2020

24. **CORTE, G.N.**, Yokoyama, Tardelli, D.T., Checon, H.H., Turra, A. 2020. The spatial pattern of the gastropod *Olivella minuta* demonstrate the importance of tide-dominated beaches and subtidal zone. *Regional Studies in Marine Science*, 101454.
23. Laurino, I.R.A., Checon, H.H., **CORTE, G.N.** Turra, A. 2020. Flooding affects vertical displacement of intertidal sandy beach macrofauna: A proxy for the potential impacts of climate and environmental changes. *Estuarine, Coastal and Shelf Science*, 245: 106882.

22. Xavier, L.Y.; Gonçalves, L.R.; Checon, H.H.; **CORTE, G.N.**; Turra, A. 2020. Are we missing the bigger picture? An analysis of how science can contribute to an ecosystem-based approach beach management on the São Paulo Macrometropolis. *Ambiente & Sociedade*, 23, e01411.
21. Checon, H.H., **CORTE, G.N.**, Yokoyama, L.Q., Silva, M., Turra, A. 2020. Full stomachs at empty tides: tidal cycle affects feeding activity and diet of the sandy beach gastropod *Olivella minuta*. *Journal of Molluscan Studies*, 86: 219–227.

2019

20. **CORTE, G. N.**; Yokoyama, Checon, H.H.; Turra, A. 2019. Spatial and temporal variation in the diet of the sandy beach gastropod *Olivella minuta*. *Invertebrate Biology*, 138: e12269.
19. **CORTE, G. N.**; Yokoyama, L. Q.; Denadai, M.R ; Bessa, E. ; Salles, M.C.Z ; Turra, A. 2019. Egg-capsule deposition of the marine gastropod *Olivella minuta*: the importance of an interspecific relationship with the soft-bottom bivalve *Tivela mactroides*. *Journal of Molluscan Studies*, 85: 126-132.

2018

18. Turra, A.; **CORTE, G. N.**; Amaral, A. C.Z.; Yokoyama, L.Q. ; Denadai, M.R. 2018. Non-linear curve adjustments widen biological interpretation of relative growth analyses of the clam *Tivela mactroides* (Bivalvia, Veneridae). *PeerJ*, 6, p. e5070.
17. Checon, H. H., Vieira, D. C., **CORTE, G. N.**, Fonseca, G., Amaral, A.C.Z. 2018. Defining soft bottom habitats and potential indicator species as tools for monitoring coastal systems: a case study in a subtropical bay. *Ocean and Coastal Management*, 164: 68-78.
16. **CORTE, G.N.**, Goncalves-Souza, T., Checon, H.H., Siegle, E., Coleman, R.A., Amaral, A.C.Z. 2018. When time affects space: Dispersal ability and extreme weather events determine metacommunity organization in marine sediments. *Marine Environmental Research*, 136: 139-152.
15. Checon, H.H., **CORTE, G.N.**, Shah Esmaeili, Y.M.L., Amaral, A.C.Z. 2018. Nestedness patterns and the relative role of environmental and spatial variables on sandy beach fauna: ecological hypotheses and conservation strategies. *Scientific Reports*, 8: 3759.
14. Checon, H.H., **CORTE, G.N.**, Muniz, O., Brauko, K.M., Di Domenico, M. Bicego, M., Siegle, E., Figueira, R.L., Amaral, A.C.Z. 2018. Unraveling the performance of the benthic index AMBI in a subtropical bay: the effects of data transformations and exclusion of low-reliability sites. *Marine Pollution Bulletin*, 126: 438-448.

2017

13. **CORTE, G. N.**, Checon, H. H., Fonseca, G., Vieira, D. C., Gallucci, F., Di Domenico, M., Amaral, A.C.Z. 2017. Cross-taxon congruence in benthic communities: searching for surrogates in marine sediments. *Ecological Indicators*, 78: 173-182.
12. **CORTE, G.N.**; Schlacher, T.A.; Checon, H.H.; Barboza, C.A.M.; Siegle, E.; Coleman, R.A.; Amaral, A.C.Z. 2017. Storm effects on intertidal invertebrates: increased beta diversity of few individuals and species. *PeerJ*, 5: e3360.
11. Gorman, D.; **CORTE, G.N.**; Checon, H.H.; Amaral, A.C.Z.; Turra, A. 2017. Optimizing coastal and marine spatial planning through the use of high-resolution benthic sensitivity models. *Ecological Indicators*, 82: 23-31.
10. **CORTE, G.N.**, Martinez, A.S., Coleman, R.A. Short term copper exposure does not affect a key intertidal grazer. 2017. *Journal of Experimental Marine Biology and Ecology*, 493: 14-19.
9. Checon, H.H., **CORTE, G.N.**, Silva, C.F., Schaeffer-Novelli, Y., Amaral, A.C.Z. 2017. Mangrove vegetation decreases density but does not affect species richness and trophic structure of intertidal polychaete assemblages. *Hydrobiologia*, 795:169-179.
8. **CORTE, G.N.**, Coleman, R.A., Amaral, A.C.Z. 2017. Environmental influence on population dynamics of the bivalve *Anomalocardia brasiliiana*. *Estuarine Coastal and Shelf Science*, 187: 241-248.

2016

7. Amaral, A.C.Z., **CORTE, G.N.**, Rosa Filho, J.S., Denadai, M.R., Colling, L.A., Borzone, C., Veloso, V., Omena, E.P., Zalmon, I.R., Rocha-Barreira, C.A., Souza, J.R.B., Rosa, L.C., Almeida, T.C.M. 2016. Brazilian sandy beaches: characteristics, ecosystem services, impacts, knowledge, and priorities. *Brazilian Journal of Oceanography*. 64: 5-16.

2015

6. **CORTE, G.N.**, Yokoyama, L.Q., Coleman, R.A., Amaral, A.C.Z. 2015. Population dynamics of the harvested clam *Anomalocardia brasiliiana* (Bivalvia: Veneridae) in Cidade Beach, south-east Brazil. *Journal of the Marine Biological Association of the United Kingdom*. 95: 1183-1191.

5. **CORTE, G.N.** 2015. Reproductive cycle and parasitism in the clam *Anomalocardia brasiliiana* (Bivalvia: Veneridae). *Invertebrate Reproduction & Development*. 59:66-80

2014

4. Silva, C.F.S., **CORTE, G.N.**, Yokoyama, L.Q., Abrahão, J.R., Amaral, A.C.Z. 2014. Growth, mortality, and reproduction of *Tagelus plebeius* (bivalvia: solecurtidae) in Southeast Brazil. *Helgoland Marine Research*, 69:1-12.
3. **CORTE, G.N.**, Yokoyama, L.Q., Amaral, A.C.Z. 2014. An attempt to extend the Habitat Harshness Hypothesis to tidal flats: A case study of *Anomalocardia brasiliiana* (Bivalvia: Veneridae) reproductive biology, *Estuarine, Coastal and Shelf Science*, 150: 136-141.

2012

2. **CORTE, G.N.**, Nascimento, M.C, Pavani, L., Leite, F.P.P. 2012. Crustáceos associados à *Ulva* spp. em praias com diferentes características ambientais. *Bioikos*, 26: 101-111.

2009

1. **CORTE, G.N.**; Macchiaverni, P.; Fabbro, I.M.D., Haddad, C.R.B. 2009. Nitrogen availability, leaf life span and nitrogen conservation mechanisms in leaves of tropical trees. *Scientia Agricola* 66: 812-818.

BOOK CHAPTERS

10. **CORTE G.N.**, Petracco, M., Aviz, D., Abude, R.R.S., Augusto, M., Caetano, C.H.S., Cardoso, R.S., Cabrini, T.M.B*. 2023. *Population Biology*. In: Amaral A.C.Z.; Checon H.H., CORTE G.N. Brazilian Sandy Beaches. Springer International Publishing AG, part of Springer Nature.
9. **CORTE G.N.**, Checon H.H., Amaral A.C.Z. 2023. *Sandy beach macrofauna*. In: Amaral A.C.Z.; Checon H.H., CORTE G.N. Brazilian Sandy Beaches. Springer International Publishing AG, part of Springer Nature.
8. Checon H.H, **CORTE G.N.**, Cunha B.P., Shah Esmaeili Y.M.L., Fonseca G, Amaral A.C.Z. 2023. Macro and Meiofaunal Communities in Brazilian Mangroves and Salt Marshes. In Schaeffer-Novelli Y., Abuchahla G.M.O., Cintrón-Molero G. (Org.). Brazilian Mangroves and Salt Marshes. Springer International Publishing AG, part of Springer Nature (*in press*).
7. Xavier L.Y., Guilhon M., Gonçalves L.R., Checon H.H., Grilli, N.M., **CORTE G.N.**, Turra. A. 2022. The São Paulo School of Advanced Science on Ocean Interdisciplinary Research and Governance (SPSAS Ocean). In: Bruno Meirelles de Oliveira, Juan Carlos Farias Pardo, Alexander Turra (Org.) Challenges in Ocean Governance in the Views of Early Career Scientists.
6. **CORTE G.N.**, Checon H.H., Amaral A.C.Z. 2021. *Ecologia de praias arenosas*. In: Abílio Soares-Gomes; Renato Crespo (Org.) Ecologia Marinha. Interciencia.
5. Amaral, A.C.Z., **CORTE, G.N.**, Checon, H.H., Silva, C.F., Cunha, B.P., Godoy, A.S., Vieira, D. C., Vilas-Boas, A.C., Di Domenico, M., Gallucci, F., Fonseca, G., Sousa, E., Almeida, C.S., Gasparro, M.R., Zaroni, L.P., Catharino, M.G.M., Lins, C., Oliveira, A.J.F.C., Zampieri, B.B., Pinto, A.B., Doi, S.A., Andrade, V.C. 2018. *Sistema Bentônico: Substrato não consolidado*. In: Amaral, A.C.Z; Turra, A.; Ciotti, A. M.; Wongtschowski, C.; Schaeffer-Novelli, Y. (Org.). Métodos de Estudos em Ecossistemas Costeiros: Biodiversidade e Funcionamento. 1ed.São Paulo: ComArte Júnior, 132-153.
4. Amaral A.C.Z.; **CORTE G.N.**, Checon H.H., Dias G.M.,Christofolletti R.A., Fonseca G., Di Domenico M. 2016. *A vida no fundo do mar*. In: Antonia Cecília Z. Amaral; Alexander Turra; Aurea Maria Ciotti; Carmem Lúcia Del Bianco Rossi Wongtschowski; Yara Schaeffer-Novelli. (Org.). Vida na Baía do Araçá: diversidade e importância. 1 ed. São Paulo: Lume, 2015, v. 1, p. 46-59.
3. Rosa Filho J.S., **CORTE G.N.**, Maria T. F., Colling L.A., Rosa L.C., Borzone C.A., Almeida T.C.M., Zalmon, I. R., OMENA, E.P., Veloso, V.G., Amaral A. C Z. 2015. *Monitoramento de longo prazo da macrofauna bentônica entremarés de praias arenosas*. In: Alexander Turra; Márcia Regina Denadai. (Org.). Protocolos para o Monitoramento de Habitats Bentônicos Costeiros - Rede de Monitoramento de Habitats Bentônicos Costeiros - ReBentos. 1 ed.São Paulo, v. , p. 201-215.
2. Zalmon I. R., Machado P. M., Brauko K. M., **CORTE G.N.**, Amaral A.C.Z. 2015. *Monitoramento do efeito de eventos extremos de mudanças climáticas sobre a macrofauna bentônica de praias arenosas*. In: Alexander Turra; Márcia Regina Denadai. (Org.). Protocolos para o Monitoramento de Habitats Bentônicos Costeiros - Rede de Monitoramento de Habitats Bentônicos Costeiros - ReBentos. 1ed.São Paulo: , 2015, v. , p. 223-231.
1. Amaral A.C.Z., Yokoyama L.Q. ; Rocha M. B. , **CORTE G.N.** 2015. *Monitoramento de populações de Scolelepis (POLYCHAETA: SPIONIDAE)*. In: Alexander Turra; Márcia Regina Denadai. (Org.). Protocolos

BOOKS

1. Amaral A.C.Z.; Checon H.H., **CORTE G.N.** 2023. *Brazilian Sandy Beaches*. Springer International Publishing AG, part of Springer Nature. doi.org/10.1007/978-3-031-30746-1

MANUSCRIPTS UNDER REVIEW

1. Checon, H.H.; **CORTE, G.N.**; Shah Esmaeili, Y.; Turra, A. Between biotic indices and indicators species: an appraisal of the strengths and shortcomings of each approach for sandy beach management. Submitted to *Ocean and Coastal Management*.

MANUSCRIPTS IN PREPARATION

1. **CORTE, G.N.**; Checon, H.H.; Shah Esmaeili, Y.; Turra, A.; Lefcheck, J. The interactive effects of anthropogenic and environmental gradients on the biodiversity and functioning of sandy beaches. Target: *Ecology*
2. Checon, H.H.; Cunha, B.P.; Shah Esmaeili, Y.; Defeo, O.; **CORTE, G.N.** Bridging the gap: balancing management plans in Brazilian Protected Areas to preserve coastal and marine biodiversity. Target: *Biological Conservation*
3. Goad, M*.; Thompson, T*.; **CORTE, G.N.** Hurricane impacts on environmental features and biodiversity of Caribbean sandy beaches. Target: *PeerJ*
4. Shah Esmaeili, Y., **CORTE, G.N.**, Checon, H. H., Zacagnini Amaral, A. C., Turra, A. Trophic foodwebs of sandy beaches vary with changes in environmental and anthropogenic conditions. Target: *Marine Ecology Progress Series*.
5. Shah Esmaeili, Y., Checon, H. H., Zacagnini Amaral, A. C., Turra, A; **CORTE, G.N.** Stable isotope analysis pinpoints the crucial role of sandy beaches as nurseries. Target: *Science of the Total Environment*
6. Shah Esmaeili, Y., **CORTE, G.N.**, Checon, H. H., Zacagnini Amaral, A. C., Turra, A. Small fishes, big problems: Heavy metal contamination of juvenile fishes in their nursery habitats. Target: *Marine Pollution Bulletin*
7. Shah Esmaeili, Y., **CORTE, G.N.**, Checon, H. H., Zacagnini Amaral, A. C., Turra, A. Metabarcoding reveals hidden biodiversity of sandy beach surf zones. Target: *Environmental DNA*
8. Shah Esmaeili, Y., Checon, H. H., Zacagnini Amaral, A. C., & Turra, A., **CORTE, G.** Metabarcoding highlights differences in taxonomic and functional diversity of sandy beach sediment microbes. Target: *Environmental DNA*

TEACHING

GRADUATE LEVEL (Instructor of Record)

- | | |
|------|--|
| 2024 | CORTE, GN ; Smith, T. <i>MES 502: Physical and Ecological Processes Along a Land-Sea Gradient II</i> , Master of Marine and Environmental Science, University of the Virgin Islands, USA. |
| 2023 | CORTE, GN. <i>MES 565: Scientific Writing</i> , Master of Marine and Environmental Science, University of the Virgin Islands, USA. |
| 2023 | CORTE, GN ; Critchley, L. <i>MES 506: Natural Resource Management</i> , Master of Marine and Environmental Science, University of the Virgin Islands, USA. |
| 2019 | CORTE, GN , Turra, A. <i>PCA5020: Coastal Management</i> , University of São Paulo, Brazil. |

UNDERGRADUATE LEVEL (Instructor of Record)

- | | |
|------|--|
| 2024 | CORTE, GN. <i>BIO223: Modern Concepts of Ecology</i> , University of the Virgin Islands, USA. |
| 2023 | CORTE, GN. <i>BIO 370: Evolution</i> , University of the Virgin Islands, USA. |
| 2023 | CORTE, GN ; Guannel, M. <i>BIO 497: Senior Science Seminar</i> , University of the Virgin Islands, USA. |
| 2023 | CORTE, GN. <i>BIO 295: Responsible Conduct of Research</i> , University of the Virgin Islands, USA. |
| 2023 | CORTE, GN. <i>BIO223: Modern Concepts of Ecology</i> , University of the Virgin Islands, USA. |
| 2023 | CORTE, GN. <i>MBI 424: Marine Ecology</i> , University of the Virgin Islands, USA. |
| 2022 | CORTE, GN. <i>Benthic Ecology</i> , University of Vale do Itajaí, Brazil. |
| 2021 | CORTE, GN. <i>Benthic Ecology</i> , University of Vale do Itajaí, Brazil. |
| 2020 | CORTE, GN. <i>Benthic Ecology</i> , University of Vale do Itajaí, Brazil. |
| 2019 | CORTE, GN. , Amaral, ACZ, Checon, HH. <i>BZ 815: Sandy Beach Biodiversity</i> , State University of Campinas, Brazil. |

- 2018 **CORTE, GN.**, Amaral, ACZ, Checon, HH. *BZ 815: Sandy Beach Biodiversity*, State University of Campinas, Brazil.
- 2016 **CORTE, GN.**, Amaral, ACZ, Checon, HH. *BZ 815: Sandy Beach Biodiversity*, State University of Campinas, Brazil.

TEACHING ASSISTANCE

- 2011 *BZ 280: Zoology*, State University of Campinas, Brazil.
- 2007 *BV 381: Plant Physiology*, State University of Campinas, Brazil.

MENTORING

Ph.D.

- 2023 Yasmina Shah Esmaeili. Fish communities of sandy beach surf zones: unraveling the myths, exploring different methodologies and providing knowledge for management strategies. PhD in Ecology. State University of Campinas (Co-Supervisor).
- 2019 Priscila Candido Baroni. Population dynamics of the polychaetes *Laeonereis culveri* and *Scolelepis squamata*. PhD in Animal Biology. State University of Campinas (Brazil).

MASTER

- 2022 Kaleigh Schlender. Beach Morphology and Anthropogenic Impacts on Ghost Crab Populations, St. Thomas, USVI. Master of Science in Marine and Environmental Sciences - University of the Virgin Islands (Co-Supervisor).

UNDERGRADUATE

- 2023 Miranda Goad. Climate change impacts on Caribbean ghost crab populations. Undergraduate research project. University of the Virgin Islands.
- 2023 Zachary D. Briggs. Improving ocean literacy in the USVI: from school to university. Undergraduate research Project. University of the Virgin Islands.
- 2023 Tara Thompson. Biodiversity analyses to secure US Virgin Islands water quality. Undergraduate research Project. University of the Virgin Islands.
- 2020 Thiago Martinez Garcia. Patterns of taxonomic and functional diversity of sandy beaches as subsidies for conservation and management plans. Undergraduate research project. State University of Campinas (Brazil).
- 2013 Nathália Felipe. Biology and behaviour ecology of whales from genera *Eubalaena*. Undergraduate research project. Pontifícia Universidade Católica de Campinas.
- 2013 Adriana Pereira Salata. Effects of human action on the survival of sea turtles: ingestion of solid waste. Undergraduate research project. State University of Campinas (Brazil).

FELLOWSHIPS & GRANTS

FELLOWSHIPS

- 2022-2023 CNPQ PostDoctoral Fellowship (R\$ 49,200; \$ 9,000*)
- 2021-2022 FAPERJ Post-Doctoral Fellowship (R\$ 49,200; \$ 8,800*)
- 2017-2020 FAPESP Post-Doctoral Fellowship (R\$ 334,893.75; \$ 83,750*)
- 2016-2017 FAPESP Post-Doctoral Fellowship (R\$ 75,012.30; \$ 22,700*)
- 2014-2015 CAPES Doctoral Sandwich Abroad Fellowship (AUD\$ 35,325; \$ 26,500*)
- 2011-2016 FAPESP Doctorate Fellowship (R\$ 115,007; \$ 46,000*)
- 2008-2011 FAPESP Masters Fellowship (R\$ 24,263; \$ 10,000*)

GRANTS

- 2023-2028 Southeast Climate Adaptation Science Center
United States Geological Survey (co-PI; Total subcontract: \$398,184.91)
- 2023-2024 Biodiversity analyses to secure USVI water quality
VI-Water Resources Research Institute Program (PI; \$ 50,116.00)
- 2023-2024 Improving Ocean Literacy in the USVI: from school to university
VI-ISERP Mini-Grant (PI; \$ 2,000.00)
- 2017-2020 Fostering the ecosystem-based approach in beach spatial planning and conservation
Sao Paulo research Foundation (co-PI; R\$ 220,997.61; \$ 56,700)

* Approximate values in US dollar according to the conversion rate for the year.

WORKING GROUPS

SE CASC - Southeast Climate Adaptation Science Center

BRAID-CMC Alliance - BRinging together Allies in Diversifying Climate and Marine Careers

MarineGEO - Marine Global Earth Observatory

MBON P2P - Marine Biodiversity Observation Network Pole to Pole of the Americas

ReBentos - Coastal Benthic Habitats Monitoring Network

SERVICE

Editor: PeerJ (2021 – present), *Frontiers in Marine Science* (Guest Editor), *Diversity* (Guest Editor)

Reviewer: **Grants:** *Comisión Nacional de Investigación Científica y Tecnológica (Chile)*, *Biodiversa (EUROPE)*, *São Paulo Research Foundation (Brazil)*.

Journals: *Biological Conservation*; *Oecologia*; *Biodiversity and Conservation*; *Ecological Indicators*; *Estuarine, Coastal and Shelf Science*; *Scientific Reports*; *Marine Pollution Bulletin*; *Marine Environmental Research*; *Marine Ecology Progress Series*; *Fisheries Research*; *Austral Ecology*; *Estuaries and Coasts*; *Journal of Environmental Management*; *Brazilian Journal of Oceanography*; *Plos One*; *Thalassas*; *Tropical Oceanography*; *Regional Studies in Marine Science*; *Invertebrate Biology*; *Journal of Sustainability Science and Management*; *Bioikos*; *Journal of the Marine Biological Association of the UK*; *The European Zoological Journal*; *Marine Biology*; *Pan-American Journal of Aquatic Sciences*; *Aquatic Ecology*; *Wetlands*; *Biologia*; *Latin American Journal of Aquatic Research*; *Ocean and Coastal Research*; *Perspectives in Ecology and Conservation*, *Ecology and Evolution*; *Ocean and Coastal Management*; *Diversity*, *Ecological Informatics*.

University Service

2023 Strategic Development Plan | College of Science and Mathematics | University of the Virgin Islands
2023 Selection Committee | Master in Marine and Environmental Sciences| University of the Virgin Islands
2024 Selection Committee | Master in Marine and Environmental Sciences| University of the Virgin Islands
2024 Website Working Group | College of Sciences and Mathematics | University of the Virgin Islands
2024 Search Committee | Assistant Professor in Biology| University of the Virgin Islands

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

International Association for Biological Oceanography (IABO)

CONFERENCE PRESENTATIONS

2023 77th Southeast Association of Fish & Wildlife Agencies (SEAFWA) Conference
2022 Hatfield Research Seminar Series, Oregon State University, USA.
2018 VII International Sandy Beach Symposium, Heraklion, Greece.
2016 LI European Marine Biology Symposium. Rhodes, Greece.
2016 III Workshop of BIOTA/FAPESP-ARAÇÁ Project. São Paulo, Brazil.
2015 XIX Marine Biology Symposium. São Sebastião, Brazil.
2009 II Brazilian Conference of Marine Biology, Búzios, RJ, Brazil.
2013 IV Brazilian Conference of Marine Biology. Florianópolis, Brazil.
2013 XV Latin American Conference of Maritime Sciences, Punta del Este, Uruguay.
2013 III Brazilian Workshop on Climate Change in Coastal Zones
2013 III Workshop of the Coastal Benthic Habitats Monitoring Network (ReBentos), São Paulo, Brazil. 2011 III Brazilian Conference of Marine Biology, Natal, RN.
2012 VI International Sandy Beach Symposium, Port Elizabeth, South Africa.
2011 II Brazilian Workshop on Climate Change in Coastal Zones, Salvador, BA, Brazil.
2011 I Workshop of the Coastal Benthic Habitats Monitoring Network (ReBentos), Salvador, BA, Brazil.
2011 V Brazilian Oceanography Symposium, Santos, SP, Brazil.
2011 II Workshop of the Coastal Benthic Habitats Monitoring Network (ReBentos), Arraial do Cabo, RJ, Brazil.

INVITED TALKS AND GUEST LECTURES

- 2024 Arizona State University, University of North Florida, Texas A&M Galveston, University of Texas at Austin, California State University Monterey Bay
- 2022 Hatfield Research Seminar Series, Oregon State University, USA.

ORGANIZATION OF INTERNATIONAL CONFERENCES

- 08/13/2018- São Paulo School of Advanced Science on Ocean Interdisciplinary
08/25/2018 Research and Governance. <https://spsasocean.wixsite.com/spsas-ocean>
- 11/13/2021- Biofouling, Benthic Ecology and Marine Biotechnology Meeting, Instituto de
11/14/2021 Estudos do Mar Almirante Paulo Moreira, Arraial do Cabo, Brazil.

RESEARCH EXPEDITIONS (+1300 hours in open sea)

1. I Geological Expedition in International Waters of the South Atlantic - Rio Grande Rise Project (02/06/2011 - 27/06/2011). Geological Survey of Brazil. Research vessel "Marion Dufresne" - French oceanographic fleet.
2. Acoustic Landscape I. (01/02/2021 – 07/02/2021). Admiral Paulo Moreira Marine Research Institute. Research vessel "Antares". Brazilian Navy.
3. Southeast Coast (09/02/2021 – 18/02/2021). Admiral Paulo Moreira Marine Research Institute. Research vessel "Cruzeiro do Sul". Brazilian Navy.
4. Southeast Coast (23/02/2021 – 05/03/2021). Admiral Paulo Moreira Marine Research Institute. Research vessel "Cruzeiro do Sul". Brazilian Navy.
5. Upwealling III (08/09/2021 - 15/09/2021). Admiral Paulo Moreira Marine Research Institute. Research vessel "Vital de Oliveira". Brazilian Navy.

LANGUAGE

English	Fluent
Portuguese	Native
Spanish	Proficient
Dutch	Beginner

LINK FOR CITATION REPORTS

<https://scholar.google.com.br/citations?user=MYnYPIQAAAAJ&hl=pt-BR>
<https://www.researchgate.net/profile/Guilherme-Corte>
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