



## ROSANA FERNANDES DA CUNHA, MSc

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### EDUCATION

**2019 M.Sc.** Systematics, Animal Taxonomy and Biodiversity, **University of São Paulo, Brazil (USP)**

Exchange period: **National Museum of Natural History, Smithsonian Institution** (Aug 18 – Oct 18)

Thesis: Review of the Genus *Narcissia* Gray, 1840 (Echinodermata, Asteroidea): from Morphology to Taxonomy

Supervisor: Marcos Tavares, Ph.D.

**2016 B.Sc. and Teacher Licensure** Biology, **Bahia Federal University, Brazil (UFBA)**

Exchange period: **Fairleigh Dickinson University, U.S.A** (Aug 14 – Dec 15)

Honors Thesis: Taxonomic Study of Sea Star Species (Echinodermata: Asteroidea) from Bahia, Brazil

Supervisor: Carla Menegola, Ph.D.

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### PEER-REVIEWED PUBLICATIONS

1. **Cunha, R.**; Tavares, M. & Braga, J. (2020) Shallow-water Asteroidea (Echinodermata) of the remote oceanic archipelago Trindade and Martin Vaz, southeastern Atlantic, with taxonomic and zoogeographical notes. *Zootaxa*, 4742 (1): 31–56. doi: 10.11646/zootaxa.4742.1.2.
2. **Cunha, R.**; Martins, L.; Menegola, C. & Souto, C. (2021) Taxonomy of the sea stars (Echinodermata: Asteroidea) from the Bahia State, including ontogenetic variations and an illustrated key to the Brazilian species. *Zootaxa*, 4955 (1): 1–78. doi: 10.11646/zootaxa.4955.1.1.

**Manuscripts Submitted** (available upon request)

3. **Cunha, R.** & Tavares, M. (in review) A review of the genus *Narcissia* Gray, 1840 (Echinodermata: Asteroidea: Ophidiasteridae). Submitted to *Journal of the Marine Biological Association* in December 2020; 32 pages, 20 plates.

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### GRANTS, HONORS AND AWARDS

#### Internal Grants and Scholarships

2017–2019 FAPESP Research Funds for graduate students, MZUSP, **\$610**

2017 Graduate Division, Conference Travel Grants, MZUSP, **\$380**

#### Honors and Awards

2018 **Research Fellowship Abroad**, National Museum of Natural History, Smithsonian Institution.

Three-month scholarship awarded by the Research Support Foundation of the São Paulo State (FAPESP), **\$4,380**

2017 **First place in the selection process** for the Master Program in Systematics, Animal Taxonomy and Biodiversity, University of São Paulo. Two-year scholarship awarded by the Research Support Foundation of the São Paulo State (FAPESP), **\$12,000**

2014 **Exchange Program**, Brazilian Scientific Mobility Program, Science Without Borders. Sixteen-months scholarship awarded by the Ministry of Education (MEC), **\$16,220**

2009 **Research Internship**, Four-year internship awarded by the Bahia Federal University, **\$2,500**

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## TALKS AND CONFERENCE ACTIVITY/PARTICIPATION

### Abstracts and Conference Presentations

- 2019 **Cunha, R.** & Tavares, M. (poster) Revision of the genus *Narcissia* Gray, 1840 (Echinodermata, Asteroidea): from morphology to taxonomy. In: 3<sup>rd</sup> Graduate Meeting of the Museum of Zoology of the University of São Paulo, São Paulo, Brazil.
- 2013 **Cunha, R.**; Martins, L.; Souto, C. & Menegola, C. (poster) Morphology of *Narcissia trigonaria* Sladen, 1889 (Asteroidea: Ophidiasteridae): A Taxonomic Problem? In: 2<sup>nd</sup> Latin American Congress of Echinoderms, São Sebastião, Brazil.
- 2013 **Cunha, R.**; Martins, L.; Souto, C. & Menegola, C. (poster) First Record of *Asterinides folium* (Lütken, 1860) for Northeastern Brazil. In: 4<sup>th</sup> Brazilian Congress of Marine Biology, Florianópolis, Brazil.
- 2012 **Cunha, R.**; Souto, C.; Martins, L. & Menegola, C. (poster) List of Living and Fossil Asteroidea (Echinodermata) from Brazil: a Focus on the Fauna of Bahia. In: 29<sup>th</sup> Brazilian Congress of Zoology, Salvador, Brazil.
- 2012 **Cunha, R.**; Martins, L.; Souto, C. & Menegola, C. (talk) Virtual Zoology Museum - UFBA: Popularization of Knowledge about the Phylum Echinodermata. In: 29<sup>th</sup> Brazilian Congress of Zoology, Salvador, Brazil.
- 2012 **Cunha, R.** & Menegola, C. (talk) Identification of Juveniles and Adults of Asteroidea: a Taxonomic Problem. In: 31<sup>st</sup> Student Research Seminar and 13<sup>th</sup> Bahia Federal University Research and Graduate Seminar. Salvador, Brazil.
- 2011 **Cunha, R.**; Martins, L.; Souto, C. & Menegola, C. (poster) Echinodermata from the Northern Coast of the State of Bahia, Brazil. In: 14<sup>th</sup> Latin American Congress of Marine Sciences, Balneário Camboriú, Brazil.
- 2010 **Cunha, R.** & Menegola, C. (talk) Echinodermata Collection from the Museum of Zoology of the Bahia Federal University: Testimonies of Biodiversity. In: 29<sup>th</sup> Student Research Seminar. Salvador, Brazil.

### Scientific Event Organizer

- 2012 XXIX Brazilian Congress of Zoology, co-organizer, UFBA, 3000 participants.
- 2010 VII Week of Biology, co-organizer, UFBA, 800 participants.

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## TEACHING EXPERIENCE

### Instructor of Record

- 2014 High School Teacher, State Center for Vocational Education in Health and Management. **Courses:** Environmental Control, Environmental Impact Management – 1 semester

### Guest Lectures

- 2021 “Phylum Echinodermata”, for undergraduate students, Federal University of Rio Grande do Sul (UFRGS), Brazil.
- 2021 “Review of the Genus *Narcissia* Gray, 1840 (Echinodermata, Asteroidea): from Morphology to Taxonomy”, for undergraduate students, Feira de Santana State University (UEFS), Brazil.

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## RELEVANT PROFESSIONAL TRAINING

- 2021 **Museums and marine biodiversity at schools**, Group of studies on Museum and Scientific Education.
- 2020 **Morphometrics**, Graduate Division, Bahia Federal University.
- 2020 **Managing and Mobilizing Collection Data with Specify Software**, The Society for the Preservation of Natural History Collections Virtual Meeting.
- 2018 **Training on Scanning Electron Microscopy**, Electron Microscope Lab, National Museum of Natural History – Smithsonian Institution.

2018 **Training on Specify Database**, Graduate Division, Museum of Zoology of the University of São Paulo.

2013 **1<sup>st</sup> Summer Course in Zoology: form, time and space**, Graduate Division, University of São Paulo.

2012 **3<sup>rd</sup> Summer Course on Animal Diversity**, Graduate Division, Bahia Federal University.

2011 **Coral Reefs: an endangered ecosystem**, Graduate Division, Bahia Federal University.

2011 **2<sup>nd</sup> Summer Course on Animal Diversity**, Graduate Division, Bahia Federal University.

2011 **Scientific Diving**, Graduate Division, Bahia Federal University.

2011 **Detection and Evaluation of Environmental Impacts on the Marine Benthos, Using the Primer**, Latin American Congress of Marine Sciences.

2010 **International Symposium on Phylogeography**, BIOTA, Foundation of the São Paulo State.

2009 **Sampling in Marine Environments: techniques, problems and challenges**, Graduate Division, Bahia Federal University.

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## **CURATORIAL AND ADDITIONAL PROFESSIONAL EXPERIENCE**

2021 **Peer-review**, Check List, Sofia, Bulgaria.

2021 **Peer-review**, Marine Biology Research, London, UK.

2020 **Peer-review**, Revista de Biología Tropical, Journal of the University of Costa Rica.

2019 **Curatorial Assistant**, Swedish Museum of Natural History. Supervisor: Anna Persson.

2018 **Taxonomic Specialist**, Identification of Sea Stars for The Chico Mendes Institute for Biodiversity Conservation, Brazil (ICMBio). Supervisor: Harry Boos, Ph.D.

2017–2019 **Curatorial Assistant**, Museum of Zoology of the University of São Paulo. Supervisor: Luciana Martins, Ph. D & Marcos Tavares, Ph.D.

2015 **Curatorial Assistant**, Museum of Comparative Zoology, Harvard University. Supervisor: Adam Baldinger.

2009–2013 **Curatorial Assistant**, Museum of Zoology of the Bahia Federal University. Supervisors: Camilla Souto, M.Sc.; Luciana Martins, M. Sc. & Carla Menegola, Ph.D.

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## **RESEARCH AT NATURAL HISTORY MUSEUMS/SCIENTIFIC COLLECTIONS**

(Abbreviation: IZ, Invertebrate Zoology)

2018 **Natural History Museum, London**, United Kingdom (IZ), 10 days

2018 **National Museum of Natural History**, Washington D.C., U.S.A. (IZ), 3 months

2017 **National Museum**, Rio de Janeiro, Brazil (IZ), 10 days

2017–2019 **Museum of Zoology**, University of São Paulo, Brazil (IZ), 2 years

2012 **National Museum**, Rio de Janeiro, Brazil (IZ), 5 days

2009–2013 **Museum of Zoology**, Bahia Federal University, Brazil (IZ), 4 years

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## **ADDITIONAL PROFESSIONAL EXPERIENCE**

2013 **Molecular Analysis of Asteroidea Species for the Integrative Taxonomy Project**, São Carlos Federal University (UFSCar), São Carlos, Brazil. Supervisor: Patricia Freitas, Ph.D.

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## **TECHNICAL SKILLS**

**Edition** – Microsoft Office, iWork

**Image edition** – Photoshop, Illustrator, myVGL (3D)

**Geospatial system** – QGIS

**Programming** – Markdown, R (basic to intermediary)