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Married - 1 Kid (9y)  
Age: 36

## Curriculum Vitae

# Dr JAILSON MOURA



## EDUCATION

2009. **PhD (Public Health and Environment)**  
2013. National School of Public Health, ENSP Fiocruz, Rio J., Brazil.  
*"Public health and health of the oceans: conceptual interface of the paradigms and ecotoxicological analysis in an upwelling system"*.
2007. **Master (Public Health and Environment)**  
2009. National School of Public Health, ENSP Fiocruz, Rio J., Brazil.  
*"Marine tucuxi dolphins (Sotalia guianensis) as sentinel of the coastal marine environmental health: study of the concentration of mercury in the Amazon estuary and in the North coast of the Rio de Janeiro state"*.
2004. **Bachelor of Science - (Biologie)**  
2007. Ferlagos - University of Lakes Region, Cabo Frio, RJ, Brazil.

## EXPERIENCE

- Mar2017. **Postdoctoral Researcher**  
Feb2020. **Leibniz Centre for Tropical Marine Research - ZMT, Bremen, Germany.**  
Project: "COMPLEX - Modelling and Analysis of Complex Predator-Prey-Environment Interactions in the Marine Realm: An integrated research and teaching effort"
- Apr2016. **Scientific Researcher**  
Dec2016. **Leibniz Centre for Tropical Marine Research - ZMT, Bremen, Germany.**  
Project: "Investigation of potential environmental and anthropogenic factors associated with the strandings of marine megafauna".
- Feb2014. **Postdoctoral Researcher**  
Mar2016. **Leibniz Centre for Tropical Marine Research - ZMT, Bremen, Germany.**  
*Department: Theoretical Ecology and Modelling. Working group: Systems ecology.*  
Project: "Strandings of marine megafauna along the southeastern Brazilian coast: assessment of environmental and anthropogenic factors".  
**Postdoctoral Fellowship award - Alexander von Humboldt Stiftung.**
- Nov2013. **Marine Biologist/ Project manager**  
Mar2014. ECÓTONUS - Meio Ambiente e Arquitetura (Env. Company), S. Paulo, Brazil.
- Jun2012. **Marine Biologist**  
Oct2012. National School of Public Health - ENSP, Fiocruz, Rio de Janeiro, Brazil.  
*Department for Endemy (epidemiology).*
- Oct2010. **Marine Biologist / Assistent Researcher**  
Sep2011. National School of Public Health - ENSP, Fiocruz, Rio de Janeiro, Brazil.  
*Department for Endemy (epidemiology).*  
Project: "FFH Petrobras", Assessment of oil/gas production on the marine megafauna.
- Oct2010. **Project manager / Subcoordinator**  
Sep2011. CTA - Serviços Em Meio Ambiente Ltda, Vitória, ES, Brazil.  
Assessment of the Impact of oil production on the marine megafauna  
• Team coordination directed to high quality data collection / Monthly Reports  
• Data management and analysis

## STUDENTS CO-SUPERVISION

- 2003- Master, Federal University of Rio, Brazil, Bruna Di Dario.  
2015. "Occurrence, seasonality and conservation of Bryde's whale, *Balaenoptera edeni*, 1878 (Cetacea, Mysticeti) on the coast of Rio de Janeiro state, with emphasis on A. dos Buzios"
- 2014- Master, Bremen University, Bremen, Germany, Maïke Sabel.  
2015. "Heavy metal contamination in stranded marine mammals along the Brazilian coast"
- 2016- Bachelor, Jacobs University, Bremen, Germany, Lina Taenzer.  
2017. "Population viability analysis in humpback whales from Gulf of Maine"
- 2014- Bachelor, Jacobs University, Bremen, Gabriela P. Wiederkehr.  
2015. "Heavy metal contamination on cetaceans and crustaceans along the Brazilian coast"
- 2015- Bachelor, Jacobs University, Bremen, Hannah Grace McDonald."  
2016. "The effects of marine waste on five species of sea turtles off the coast of Rio de Janeiro"
- 2014- Bachelor, Jacobs University, Bremen, Germany, Birte Schulze.  
2015. "Driving factors for extralimital dispersions of six pinniped species: atypical records at the coast of Rio de Janeiro and Espirito Santo State, Brazil"

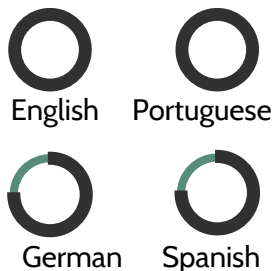
## TEACHING EXPERIENCE

Since my PhD I have been involved as assistant lecturer for master and PhD students addressing different academic subjects. Recently I have supported my postdoctoral supervisor on his lecturing activities at Jacobs University, Bremen. Moreover, one of my main duties now is to prepare once a year a course for master and PhD students from Africa and Germany.

## MISCELLANEOUS

- Jan2004- Municipal Guard, Araruama, RJ, Brazil.  
Dec2005. Public administration • Public patrimony surveillance
- Preservation of the public propriety and social order
  - Traffic assessment and organization
- Aug2002- Life Guard, Manicipal Guard, Araruama, RJ, Brazil.  
Dec2005. Rescue activities to a dangerous beach environment and risk prevention of drowning
- Working skills under stress and difficulties • Required physical capacity
  - Communication skills.

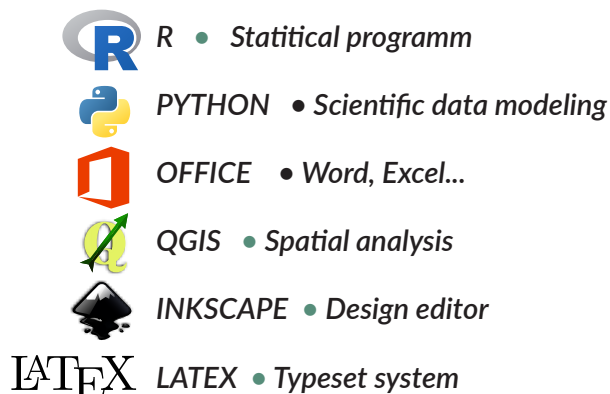
### LANGUAGE SKILLS



### HOBBIES



### SOFTWARES



## Published Scientific Articles

Siciliano, S., **Moura, J.**, Tavares, D., Kehrig, H., Hauser-Davis, R., Moreira, I., Lavandier, R., Lemos, L., Emin-Lima, Quinete, N. (2018) Legacy contamination in estuarine dolphin species from the South American coast. In: Marine Mammal Ecotoxicology, Fossi, M.C. and Panti, C. (eds.). Impacts of multiple stressors on population health. New York, Academic Press.

**Moura, J.F.**, Tavares, D.C., Lemos, L., Silveira, V., Siciliano, S., Hauser-Davis, R. (2018) Variation in mercury concentration in juvenile Magellanic penguins during their migration path along the Southwest Atlantic Ocean. *Environmental Pollution*, 238, 397-403, doi: 10.1016/j.envpol.2018.03.021  
, . In Press

**Moura, J.F.**, Tavares, D.C., Lemos, L., Acevedo-Trejos, E., Saint'Pierre, T.D., Siciliano, S., Merico, A. (2018) Interspecific variation of essential and toxic elements in sympatric coastal seabirds. *Environmental Pollution*, 242, 470-479, doi: 10.1016/j.envpol.2018.06.092

Kehrig, H.A., Baptista, G., Di Benedetto, A.P., Almeida, M.G., Rezende, C. E., Siciliano, S., **Moura, J.F.**, Moreira, I. (2017) Mercury biomagnification in the Atlantic spotted dolphin (*Stenella frontalis*) food chain, using nitrogen stable isotope as an ecological tracer. *Revista de Biología Marina y Oceanografía*, 52(2): 233-244.

Tavares, D.C., **Moura, J.F.**, Merico, A., Siciliano, S. (2017) Incidence of marine debris in seabirds feeding at different water depths. *Marine Pollution Bulletin*, 19(2): 68-73, doi: 10.1016/j.marpolbul.2017.04.012

Figueiredo, G.C., Santos, M.C.O., Siciliano, S., **Moura, J.F.** (2017) Southern right whales (*Eubalaena australis*) in an urbanized area off the Southwestern Atlantic Ocean: updated records and conservation issues. *Aquatic Mammals*, 43(1): 52-62, doi: 10.1578/AM.43.1.2017.52

**Moura, J.F.**, Tavares, D.C., Secco, H.K.C., Siciliano, S. (2016) Bottlenose dolphins (*Tursiops truncatus*, Montagu 1821) in central-northern coast of Rio de Janeiro State, Brazil: stranding patterns and insights into feeding habits. *Latin American Journal of Aquatic Mammals* 11(1-2): 191-198, doi: 10.5597/lajam00228

Tavares, D.C., **Moura, J.F.**, Siciliano, S. (2016) Environmental predictors of seabird wrecks in a tropical coastal area. *PlosOne*, 11 (12), doi: 10.1371/journal.pone.0168717

Tavares, D.C., Costa, L.L., Rangel, D.F., **Moura, J.F.**, Zalmon, I.R., Siciliano, S. (2016) Nests of the brown booby (*Sula leucogaster*) as a potential indicator of tropical ocean pollution by marine debris. *Ecological Indicators*, 70: 10-14. doi:10.1016/j.ecolind.2016.06.005

Baptista, G., Di Benedetto, A.P., Hauser-Davis, R.A., Almeida, M.G., Rezende, C.E., Siciliano, S., **Moura, J.F.**, Moreira, I. (2016) Trace elements and stable isotopes in four small cetaceans from the Southeastern Brazilian coast: influence of feeding strategy. *Environmental Pollution*, 218. doi: 10.1016/j.envpol.2016.08.088

Barbosa-Filho, M.L.V., Tavares, D.C., Siciliano, S., **Moura, J.F.**, Costa-Neto, E.M., Motta, F.S., Koike, C.D.V. (2016) Interactions between whale sharks, *Rhincodon typus* Smith, 1928 (Orectolobiformes, Rhincodontidae), and Brazilian fisheries: the need for effective conservation measures. *Marine Policy*, 73, 210-215. doi: 10.1016/j.marpol.2016.08.007

Tavares, D.C., Costa, L.L., Rangel, D.F., **Moura, J.F.**, Zalmon, I.R., Siciliano, S. (2016) Nests of the brown booby (*Sula leucogaster*) as a potential indicator of tropical ocean pollution by marine debris. *Ecological Indicators*, 70, 10-14. doi:10.1016/j.ecolind.2016.06.005

**Moura, J.F.**, Acevedo-Trejos, E., Tavares, D.C., Meirelles, A.C.O., Silva, C.P.N., Oliveira, L.R., Santos, R.A., Wickert, J.C., Machado, R., Siciliano, S., Merico, A. (2015) Stranding events of Kogia whales along the Brazilian coast. *PLoS One*. Doi: 10.1371/journal.pone.0146108

Di Benedetto, A.P.M., **Moura, J.F.**, Siciliano, S. (2015) Feeding habits of the sea turtles *Caretta caretta* and *Lepidochelys olivacea* in south-eastern Brazil. *Marine Biodiversity Records* 8, 1-5. doi:10.1017/S1755267215001001

## Published Scientific Articles (continued)

**Moura, J.F.**, Merico, A., Montone, R.C., Silva, J., Seixas, T.G., Godoy, J.M.O., Saint'Pierre, T.D., Hauser-Davis, R.A., Di Benedetto, A.P.M., Reis, E.C., Tavares, D.C., Lemos, L.S., Siciliano, S. (2015) Assessment of trace elements, POPs, 210Po and stable isotopes (15N and 13C) in a rare filter-feeding shark: The megamouth. *Marine Pollution Bulletin* 95, 402-406. doi:10.1016/j.marpolbul.2015.03.038

Pastene, L., Acevedo, J., Siciliano, S., Sholl, T.G.C., **Moura, J.F.** (2015) Population genetic structure of the South American Bryde's whale. *Revista de Biología Marina y Oceanografía* 50, 453-464.

Pinheiro, F.C.F., Siciliano, S., **Moura, J.F.**, Tavares, D.C. (2015) Severe mutilation of a baleen whale in a longline fishery on the Brazilian coast. *Marine Biodiversity Records* 8, 1-3. doi:10.1017/S175526721500041X

Lavandier, R., Aêas, J., Dias, P.S., Taniguchi, S., Montone, R., **Moura, J.F.**, Quinete, N., Siciliano, S., Moreira, I. (2015) An assessment of PCB and PBDE contamination in two tropical dolphin species from the Southeastern Brazilian coast. *Marine Pollution Bulletin* 99, 1-7. doi:10.1016/j.marpolbul.2015.10.039

Lavandier, R., Aêas, J., Quinete, N., **Moura, J.F.**, Taniguchi, S., Montone, R., Siciliano, S., Moreira, I. (2015) PCB and PBDE levels in a highly threatened dolphin species from the Southeastern Brazilian coast. *Environmental Pollution* 207, 1-8. doi:10.1016/j.envpol.2015.10.013

Tavares, D.C., Guadagnin, D.L., **Moura, J.F.**, Siciliano, S., Merico, A. (2015) Environmental and anthropogenic factors structuring waterbird habitats of tropical coastal lagoons: Implications for management. *Biological Conservation* 186, 12-21. doi:10.1016/j.biocon.2015.02.027

**Moura, J.F.**, Hauser-davis, R.A., Lemos, L., Emin-lima, R., Siciliano, S. (2014) Guiana dolphins (*Sotalia guianensis*) as marine ecosystem sentinels: ecotoxicology and emerging diseases. *Reviews of Environmental Contamination and Toxicology* 228, 1-29. doi:10.1007/978-3-319-01619-1

Siciliano, S., **Moura, J.F.**, Tavares, D.C., Eduardo, C., Amorim, S. De, Matias, C.A.R. (2014) On the intriguing occurrence of *Rhinoclemmys punctularia* (Daudin, 1801) in coastal plains of eastern Rio de Janeiro, Brazil. *Herpetology Notes* 7, 667-671.

Godoy, J.M., Siciliano, S., de Carvalho, Z.L., Tavares, D.C., **Moura, J.F.**, Godoy, M.L.D.P. (2014) 210Polonium and 210lead content of marine birds from Southeastern Brazil. *Journal of Environmental Radioactivity* 135C, 108-112. doi:10.1016/j.jenvrad.2014.04.008

Cardoso, M.D., **Moura, J.F.**, Tavares, D.C., Gonçalves, R.A., Colabuono, F.I., Roges, E.M., Souza, R.L. De, Dos, D., Rodrigues, P., Montone, R.C., Siciliano, S. (2014) The Manx shearwater (*Puffinus puffinus*) as a candidate sentinel of Atlantic Ocean health. *Aquatic Biosystems* 10, 1-10. doi:10.1186/2046-9063-10-6

**Moura, J.F.**, Rodrigues, D.P., Roges, E.M., Souza, R.L., Ott, P.H., Tavares, M., Lemos, L.S., Tavares, D.C., Siciliano, S. (2013) Humpback whales washed ashore in southeastern Brazil from 1981 to 2011: stranding patterns and microbial pathogens survey. *Biologia* 68, 992-999. doi:10.2478/s11756-013-0237-8

Sholl, T.G.C., **Moura, J.F.**, Ott, P.H., Bonvicino, C.R., Reis, E.C., Tavares, D.C., Siciliano, S. (2013) Cytochrome b sequencing for the species identification of whale carcasses washed ashore in Brazil. *Marine Biodiversity Records* 6, 1-4. doi:10.1017/S1755267212001157

Dantas, G.P.M., Almeida, V.S., Maracini, P., Serra, S.D., Chame, M., Labarthe, N., Kolesnikovas, C., Siciliano, S., Matias, C.A.R., **Moura, J.F.**, Campos, S.D.E., Mader, A., Serafini, P.P. (2013) Evidence for northward extension of the winter range of Magellanic penguins along the Brazilian coast. *Marine Ornithology* 41, 195-197.

## Published Scientific Articles (continued)

Tavares, D.C., **Moura, J.F.**, Amorim, C.E., Siciliano, S. (2013) Distribution and abundance of the grey-headed Gull *Chroicocephalus cirrocephalus* (Vieillot, 1818) in Rio de Janeiro, Southeastern Brazilian coast. **Brazilian Journal of Ornithology** 21, 168-175.

Tavares, D.C., **Moura, J.F.**, Siciliano, S. (2013) First documented record of the Roseate Tern *Sterna dougallii* Montagu, 1813 (Aves: Sternidae) in southeast Brazil. **Check List** 9, 806-808.

Lemos, L., **Moura, J.F.**, Hauser-Davis, R.A., Campos, R.C., Siciliano, S. (2013) Small cetaceans found stranded or accidentally captured in southeastern Brazil: bioindicators of essential and non-essential trace elements in the environment. **Ecotoxicology and Environmental Safety** 97, 166-175. doi:10.1016/j.ecoenv.2013.07.025

Moura, J.F., Moraes, E., Souza, R.L., Siciliano, S., Rodrigues, D.P. (2012) Marine Environment and Public Health. In: G.A. Lameed (Ed.); Biodiversity Conservation and Utilization in a Diverse World. 1ed. Rijeka: InTech Publishing, Rijeka, p. 263-284.

**Moura, J.F.**, Hacon, S.S., Vega, C.M., Hauser-Davis, R.A., Campos, R.C., Siciliano, S. (2012) Guiana dolphins (*Sotalia guianensis*, Van Benédén 1864) as indicators of the bioaccumulation of total mercury along the coast of Rio de Janeiro state, Southeastern Brazil. **Bulletin of Environmental Contamination and Toxicology** 88, 54-59. doi:10.1007/s00128-011-0448-z

Siciliano, S., **Moura, J.F.**, Filgueiras, H.R., Rodrigues, P.P., Leite, N.D.O. (2012) Sightings of humpback whales on the Vitória-trindade chain and around Trindade Island, Brazil. **Brazilian Journal of Oceanography** 60, 455-459. doi:10.1590/S1679-87592012000300016

**Moura, J.F.**, Siciliano, S. (2012) Stranding pattern of Bryde's whales along the south-eastern coast of Brazil. **Marine Biodiversity Records** 5, 1-7. doi:10.1017/S1755267212000528

Godoy, J.M., Siciliano, S., de Carvalho, Z.L., **Moura, J.F.**, Godoy, M.L.D.P. (2012) 210Polonium content of small cetaceans from Southeastern Brazil. **Journal of Environmental Radioactivity** 106, 35-39. doi:10.1016/j.jenvrad.2011.11.004

**Moura, J.F.**, Emin-Lima, R., Hacon, S.S., Vega, C.M., Campos, R.C., Siciliano, S. (2012) Mercury status of the Amazon Continental Shelf: Guiana dolphins (*Sotalia guianensis*, Van Benédén 1864) as a bioindicator. **Bulletin of Environmental Contamination and Toxicology** 89, 412-418. doi:10.1007/s00128-012-0663-2

Reis, E.C., Aires, R.M., **Moura, J.F.**, Matias, C. a R., Tavares, M., Ott, P.H., Siciliano, S., ôbo-Hajdu, G. (2011) Molecular sexing of unusually large numbers of *Spheniscus magellanicus* (Spheniscidae) washed ashore along the Brazilian coast in 2008. **Genetics and Molecular Research** 10, 3731-3737. doi:10.4238/2011.December.5.7

**Moura, J.F.**, di Dario, B.P.S., Siciliano, S. (2011) Occurrence of pinnipeds on the coast of Rio de Janeiro State, Brazil. **Marine Biodiversity Records** 4, 1-10. doi:10.1017/S1755267211000030

**Moura, J.F.**, Soares, M., Belo, P., Hacon, S., Siciliano, S. (2011) The interface of public healthcare with the health of the oceans: proliferation of disease, socio-economic impacts and beneficial relationships. **Ciência e Saúde Coletiva** 16, 3469-3480.

Reis, E.C., **Moura, J.F.**, Lima, L., Rennó, B., Siciliano, S. (2010) Evidence of migratory movements of olive ridley turtles (*Lepidochelys olivacea*) along the Brazilian coast. **Brazilian Journal of Oceanography** 58, 255-259.

**Moura, J.F.**, di Dario, B.P.S., Lima, L.M., Siciliano, S. (2010) A stranded pygmy killer whale on the coast of Rio de Janeiro State, Brazil. **Marine Biodiversity Records** 3, 1-4. doi:10.1017/S1755267209991060

## Published Scientific Articles (continued)

**Moura, J.F.**, di Dario, B.P.S., Lima, L.M., Siciliano, S. (2010) Southern elephant seals (*Mirounga leonina*) along the Brazilian coast: review and additional records. *Marine Biodiversity Records* 3, e18. doi:10.1017/S1755267209991138

Silva, V.M.F., Fettuccia, D., Rodrigues, E. da S., Edwards, H., Moreno, I.B., **Moura, J.F.**, Wedekin, L.L., Bazzalo, M., Emin-Lima, N.R., Carmo, N.A.S., Siciliano, S., V, U.B. (2010) Report of the working group on distribution, habitat characteristics and preferences, and group size. *Latin American Journal of Aquatic Mammals* 8, 31-38.

**Moura, J.F.**, Silva Rodrigues, E., Sholl, T.G.C., Siciliano, S. (2009) Franciscana dolphin (*Pontoporia blainvillei*) on the north-east coast of Rio de Janeiro State, Brazil, recorded during a long term monitoring programme. *Marine Biodiversity Records* 2, 1-4. doi:10.1017/S1755267209000803

**Moura, J.F.**, Silva Rodrigues, E., Siciliano, S. (2009) Epimeletic behaviour in rough-toothed dolphins (*Steno bredanensis*) on the east coast of Rio de Janeiro State, Brazil. *Marine Biodiversity Records* 2, 1-3. doi:10.1017/S1755267208000122

## Manuscript submitted for publication

Tavares, D.C., **Moura, J.F.**, Merico, A., Siciliano, S. (2018) Mortality of migratory top predators in non-breeding areas in relation to climate variability. *Scientific Reports* (Nature Publishing)

Tavares, D.C., **Moura, J.F.**, Acevedo-Trejos, E., Merico, A. (2018) A trait-based perspective on the community ecology of marine megafauna. *Frontiers in Marine Science*.

Tavares, D.C., **Moura, J.F.**, Acevedo-Trejos, E., Merico, A. (2018) Using nests of seabirds to track ocean pollution by anthropogenic debris: insights from an uninhabited island in Africa. *Proceedings of the Royal Society B*

Zaccarelli, D.P., Di Dario, B.P.S., **Moura, J.F.** (2018) Effects of environmental and human-related variables on group composition of Guiana dolphins from an estuarine bay on the Amazon coast. *Estuarine, Coastal and Shelf Science* (Elsevier).

Hauser-Davis, R., Lavandier, R., Arêas, J., Quinete, N., **Moura, J.**, Taniguchi, S., Montone, R., Moreira, I., Siciliano, S. (2018) PCB and PBDE contamination in *T. truncatus* and *S. frontalis*, two data-deficient threatened dolphin species from the Brazilian coast. *Chemosphere* (Elsevier)

**Moura, J.F.**, Sabel, M., Acevedo-Trejos, E., Merico, A. (2018) Global assessment of mercury and selenium concentrations in cetacean species. *Global Change Biology*