

Hudson T. Pinheiro

Curriculum Vitae

California Academy of Sciences
55 Music Concourse Drive, Golden Gate Park
San Francisco, CA 94118
E-mail: hpinheiro@calacademy.org

CURRENT POSITIONS

Ph.D. Candidate in Ecology and Evolutionary Biology, UC Santa Cruz, 2012 – present
Researcher of California Academy of Sciences, Ichthyology Section, 2012 – present

EDUCATION

Ph.D. UC Santa Cruz, Ecology and Evolutionary Biology, expected degree Spring 2016
M.Sc. Universidade Federal do Espírito Santo, Brazil, Oceanography, 2008 – 2010
B.Sc. Universidade Federal do Espírito Santo, Brazil, Biological Sciences, 2001 – 2006

PROFESSIONAL EXPERIENCE

2009 – 2012 Assistant Researcher, Laboratório de Nectologia, Universidade Federal do Espírito Santo, Vitória, Brazil.
2003 – 2009 President and Research Director of the NGO Voz da Natureza, Vitória, Brazil.

PEER REVIEWED PUBLICATIONS

33. **Pinheiro, H.T.**; Simon, T.; Moura, R.L.; Carvalho-Filho, A.; Rocha, L.A.; Martins, A.S.; Mazzei, E.; Francini-Filho, R.B.; Amado-Filho, G.M. & Joyeux, J.C. Fishes of the mesophotic zone of the Abrolhos Shelf, the largest reef ecosystem of the South Atlantic. *Journal of Fish Biology*, accepted.
32. **Pinheiro, H.T.** & Joyeux, J.C. 2015. The role of recreational fishermen in the removal of target reef fishes. *Ocean & Coastal Management* 112: 12-17.
31. **Pinheiro, H.T.**; Mazzei, E.; Moura, R.L.; Amado-Filho, G.; Carvalho-Filho, A.; Braga, A.C.; Costa, P.A.S.; Ferreira, B.P.; Ferreira, C.E.L.; Floeter, S.R.; Francini-Filho, R.B.; Gasparini, J.L.; Macieira, R.M.; Martins, A.S.; Olavo, G.; Pimentel, C.R.; Rocha, L.A.; Sazima, I.; Simon, T.; Teixeira, J.B.; Xavier, L.B. & Joyeux, J.C. 2015. Fish biodiversity of the Vitória-Trindade Seamount Chain, southwestern Atlantic: an updated database. *PLOS ONE* 10 (3): e0118180
30. **Pinheiro, H.T.**; Madureira, J.M.C.; Joyeux, J.C. & Martins, A.S. 2015. Fish diversity of a southwestern Atlantic coastal island: aspects of distribution and conservation in a marine zoogeographical boundary. *Check List* 11 (2): 1615.

29. Meirelles, P.M.; Amado-Filho, G.M.; Pereira-Filho, G.H.; **Pinheiro, H.T.**; Moura, R.L.; Joyeux, J.C.; Mazzei, E.F.; Bastos, A.C.; Edwards, R.; Dinsdale, E.A.; Paranhos, R.; Santos, E.O.; Iida, T.; Gotoh, K.; Nakamura, S.; Sawabe, T.; Rezende, C.E.; Gadelha, L.M.R.; Francini-Filho, R.B.; Thompson, C. & Thompson, F.L. (2015) Baseline assessment of mesophotic reefs of the Vitória-Trindade Seamount Chain based on water quality, microbial diversity, benthic cover and fish biomass data. PLOS ONE 10 (6): e0130084.
28. Pereira-Filho, G.H.; Francini-Filho, R.B.; Pierozzi-Jr, I.; **Pinheiro, H.T.**; Bastos, A.C.; Moura, R.L.; Moraes, F.C.; Matheus, Z.; Bahia, R.G. & Amado-Filho, G.M. (2015) Sponges and fish facilitate succession from rhodolith beds to reefs. Bulletin of Marine Science 91 (1): 45-46.
27. **Pinheiro, H.T.**; Joyeux, J.C. & Moura, R.L. 2014. Reef oases in a seamount chain in the southwestern Atlantic. Coral Reefs 33: 1113
26. Costa, T.J.F.; **Pinheiro, H.T.**; Teixeira, J.B.; Mazzei, E.F.; Bueno, L.; Hora, M.S.C.; Joyeux, J.C.; Carvalho-Filho, A.; Amado-Filho, G.; Sampaio, C.L.S. & Rocha, L.A. 2014. Expansion of an invasive coral species over Abrolhos Bank, Southwestern Atlantic. Marine Pollution Bulletin 85 (1): 252-253
25. Martins, A.S.; **Pinheiro, H.T.** & Leite Junior, N.O. 2013. Biology of the sea-bob shrimp from the Espírito Santo coast, Brazil Bol. Inst. Pesca, São Paulo 39: 3. 205-215.
24. **Pinheiro, H.T.**; Martins, A.S. & Joyeux, J.C. 2013. The importance of small-scale environment factors to community structure patterns of tropical rocky reef fish. Journal of the Marine Biological Association of the United Kingdom 93: 1175-1185.
23. **Pinheiro, H.T.**; Gasparini, J.L. & Rangel, C.A. 2013. A new species of the genus *Hypleurochilus* (Teleostei: Blenniidae) from Trindade Island and Martin Vaz Archipelago, Brazil. Zootaxa 3709 (1): 95-100.
22. Simon, T.; Joyeux, J.C. & **Pinheiro, H.T.** 2013. Fish assemblages on shipwrecks and natural rocky reefs strongly differ in trophic structure. Marine Environmental Research 90: 55-65.
21. Teixeira, J.B.; Martins, A.S.; **Pinheiro, H.T.**; Secchin, N.A.; Moura, R.L. & Bastos, A.C. 2013. Traditional Ecological Knowledge and the mapping of benthic marine habitats. Journal of Environmental Management 115: 241-250.
20. Frizzera, F.C.; Tosi, C.; **Pinheiro, H.T.** & Marcondes, M.C.C. 2012. Accidental catch of franciscana or toninha (*Pontoporia blainvillei*) in the north coast of Espírito Santo, Brazil. Boletim do Museu de Biologia Mello Leitão 29: 81-86.
19. Andrades, R.; **Pinheiro, H.T.**; Santos, R.G.; Martins, A.S. & Costa, P.A.S. 2012. A new record of whale shark *Rhincodon typus* in Brazilian waters: a report of association with *Caranx crysos*. Journal of Fish Biology 81: 2092–2094.

18. Coelho, F.N.; **Pinheiro, H.T.**; Santos, R.G.; Albuquerque, C.Q. & Martins, A.S. 2012. Spatial distribution and diet of *Cephalopholis fulva* (Ephinephelidae) at Trindade Island, Brazil Neotropical Ichthyology 10 (2): 383-388.
17. **Pinheiro, H.T.**; Ferreira, C.E.L.; Joyeux, J.C.; Santos, R.G. & Horta, P.A. 2011. Reef fish structure and distribution in a southwestern Atlantic tropical oceanic island. Journal of Fish Biology 79: 1984-2006
16. **Pinheiro, H.T.**; Martins, A.S. & Araujo, J.N. 2011. Demersal fish communities may indicate priority areas for marine resources conservation. Pan-American Journal of Aquatic Sciences 6 (3): 210-221.
15. Simon, T.S.; **Pinheiro, H.T.** & Joyeux, J.C. 2011. Target fishes on artificial reefs: Evidences of impacts over nearby natural environments. Science of the Total Environment 409: 4579-4584.
14. Santos, R.G.; Martins, A.S.; Faria, J.N.; Horta, P.A.; **Pinheiro, H.T.**; Torezani, E.; Baptistote, C.; Seminoff, J.A.; Balazs, G.H. & Work, T.M. 2011. Coastal habitat degradation and green sea turtle diets in Southeastern Brazil. Marine Pollution Bulletin 62: 1297-1302.
13. **Pinheiro, H.T.**; Joyeux, J.C. & Martins, A.S. 2010. Reef fish fisheries and underwater visual censuses indicate low conservation status in a coastal island of tropical Brazil. Brazilian Journal of Nature Conservation 8 (2): 151-159.
12. **Pinheiro, H.T.**; Martins, A.S. & Gasparini, J.L. 2010. Impact of Commercial Fishing on Trindade Island and Martin Vaz Archipelago, Brazil: Characteristics, Conservation Status of the Species Involved and Prospects for Preservation. Brazilian Archives of Biology and Technology 53 (6): 1417-1423.
11. **Pinheiro, H.T.**; Gasparini, J.L. & Sazima, I. 2010. *Sparisoma rocha*, a new species of parrotfish (Actinopterygii: Labridae) from Trindade Island, South-western Atlantic. Zootaxa, 2493: 59-65.
10. **Pinheiro, H.T.**; Gasparini, J.L. & Jopyeux, J.-C. 2010. Reef fish mass mortality event in an isolated island off Brazil, with notes on recent similar events at Ascension, St Helena and Maldives. Marine Biodiversity Records, e47 (3): 1-4.
9. Rocha, L.A.; **Pinheiro, H.T.** & Gasparini, J.L. 2010. Description of *Halichoeres rubrovirens*, a new species of wrasse (Labridae: Perciformes) from the Trindade and Martin Vaz Island group, southeastern Brazil, with a preliminary mtDNA molecular phylogeny of New World Halichoeres. Zootaxa, 2422: 22-30.
8. **Pinheiro, H.T.**; Camilato, V.; Gasparini, J.L. & Joyeux, J.C. 2009. New records of fishes for Trindade-Martin Vaz oceanic insular complex, Brazil. Zootaxa, 2298: 45-54.

7. **Pinheiro, H.T.**; Martins, A.S.; Araujo, J.N. & Pinto, A.S.S. 2009. Evidence of seasonal changes in community structure for a coastal ecosystem in the central coast of Brazil, Southwest Atlantic. *Journal of Marine Biological Association of United Kingdom*, 89 (2): 217-224.
6. Camilato, V.; Simon, T.E.; **Pinheiro, H.T.**; Pimentel, C.R. & Joyeux, J.C. 2009. Length-weight relationships for some cryptobenthic reef fishes off Guarapari, southeastern Brazil. *Journal of Applied Ichthyology*, 26: 463-464.
5. **Pinheiro, H.T.** & Martins, A.S. 2009. Estudo comparativo da captura artesanal do camarão sete-barbas e sua fauna acompanhante em duas áreas de pesca do litoral do estado do Espírito Santo, Brasil. *Boletim do Instituto de Pesca de São Paulo*, 35 (2): 215-225.
4. Schuler, L.M. & **Pinheiro, H.T.** 2009. Estrutura populacional e repertório comportamental de *Sula leucogaster* (Sulidae) em um sítio de repouso no sudeste do Brasil. *Revista Brasileira de Ornitologia*, 17 (2): 96-101.
3. **Pinheiro, H.T.**; Ferreira, A.L.; Molina, R.P.; Protti, L.M.C.; Zanardo, S.C.; Joyeux, J-C & Doxsey, J.R. 2009. Profile of social actors as a tool for the definition of marine protected areas: the case of the Ilha dos Franceses, southern coast of Espírito Santo, Brazil. *Brazilian Journal of Nature Conservation*, 7 (1): 181-194.
2. **Pinheiro, H. T.** & Joyeux, J-C. 2007. Pescarias multi-específicas na região da foz do rio Doce, ES, Brasil: características, problemas e opções para um futuro sustentável. *Brazilian Journal of Aquatic Science and Technology* 11 (2): 15-23.
1. Ferreira, A.L.; Coutinho, B.R.; **Pinheiro, H.T.** & Thomaz, L.D. 2007. Composição florística e formações vegetais da Ilha dos Franceses, Itapemirim, Espírito Santo. *Boletim do Museu de Biologia Mello Leitão* 22: 25-44.

Books

1. Mazzei, E.F.; Dias, H.; **Pinheiro, H.T.** & Teixeira, J.B. 2015. Banco dos Abrolhos & Cadeia Vitória-Trindade: Proposta de reconhecimento de uma Reserva da Biosfera marinha na Costa Central do Brasil. São Paulo: IA-RBMA, 63p.

Book Chapters:

1. **Pinheiro, H.T.** & Gasparini, J.L. 2009. Peixes recifais do complexo insular oceânico Trindade-Martin Vaz: novas ocorrências, atividades de pesca, mortandade natural e conservação. In: Mohr, L.V.; Castro, J.W.A.; Costa, P.M.S. & Alves, R.J.V. *Ilhas Oceânicas Brasileiras: da pesquisa ao manejo* (volume 2). MMA.

Manuscripts submitted and in preparation:

10. **Pinheiro, H.T.**; Goodbody-Gringley, G.; Jessup, M.E.; Shepherd, B.; Chequer, A.D. & Rocha, L.A. Upper and lower mesophotic coral reef fish communities evaluated by underwater visual censuses in two Caribbean locations. *Coral Reefs*, minor revision.
9. Pereira-Filho, G.H.; Veras, P.C.; Francini-Filho, R.B.; Moura, R.L.; **Pinheiro, H.T.**; Gibran, F.Z.; Matheus, Z.; Neves, L.M. & Amado-Filho, G.M. Effects of the sand tilefish *Malacanthus plumieri* on the structure and dynamics of rhodolith beds in the Fernando de Noronha Archipelago, tropical West Atlantic. *Marine Ecology Progress Series*, minor revision.
8. Mazzei, E.F.; **Pinheiro, H.T.**; Morais, R.; Floeter, S.R.; Veras, D.P.; Queiroz, L.; Joyeux, J.C. & Ferreira, C.E.L. New records of genus *Scarus* (Labridae: Scarinae) in Southwestern Atlantic oceanic environments: occasional pulse or initial colonization? *Marine Biodiversity Records*, major revision.
7. **Pinheiro, H.T.**; Di Dario, F.; Gerhardinger, L.C.; Melo, M.R.S., Moura, R.L.; Reis, R.E.; Vieira, F.; Zuanon, J & Rocha, L.A. Dismantling the Sustainability of Brazilian Aquatic Biodiversity. *Science*, submitted.
6. Pinheiro, F.C.F.; **Pinheiro, H.T.**; Teixeira, J.B.; Martins, A.S. & Cremer, M. Opportunistic development threats Franciscana dolphin in the southeast of Brazil. *Natureza & Conservação*, submitted.
5. Mazzei, E.F.; Hostim-Silva, M.; Bertocini, A.; Machado, L.; Guabiroba, H.; Costa, T.; Bueno, L.; Vilar, C.C.; **Pinheiro, H.T.** & Joyeux, J-C. The forgotten reefs of Abrolhos Bank: a call for conservation in the southern Atlantic. *Journal of Fish Biology*, submitted.
4. **Pinheiro, H.T.** et al. Seamount biogeography and evolution: an endangered knowledge. *Global Ecology and Biogeography*, in preparation.
3. **Pinheiro, H.T.** et al. Southwestern Atlantic reef fishes: zoogeographic patterns and ecological drivers enlighten a secondary biodiversity center in the Atlantic Ocean. *Global Ecology and Biogeography*, in preparation.
2. Mazzei, E.; **Pinheiro, H.T.** et al. Reef fish biogeography across a southwestern Atlantic volcanic ridge. *Journal of Biogeography*, in preparation.
1. **Pinheiro H.T.** et al. Vitória-Trindade Chain as a natural laboratory for reef fish evolutionary studies. *Journal of Natural History*, in preparation.

Relevant Reports and Productions:

10. Simon, T.; **Pinheiro, H.T.**; Silva, S.S.; Joyeux, J.C.; Mazzei, E.; Macieira, R.M.; Martins, A.S.; Amado-Filho, G. & Sissini, M.N. 2015. A Proposal for creation of a mosaic of marine protected

areas in the Vitória-Trindade Seamount Chain. Voz da Natureza NGO, protocolled at ICMBio (Brazilian Environmental Agency).

9. Mazzei, E.F.; **Pinheiro, H.T.**; Teixeira, J.B.; Dias, H.; Sforza, R. 2013. Preliminary characterization of the area of interest for the creation of the Abrolhos-Trindade Marine Reserve of Biosphere (Bahia and Espírito Santo, Brazil). UNESCO Montevideo.
8. Pinheiro, F.C.F. & **Pinheiro, H.T.** 2013. Foz do Rio Doce: from research to conservation. Action Plan for Marine Conservation (Chapters 1 and 2). O Boticário Foundation.
7. Dutra, G.; Pereira, R.; Francini-Filho, R.; **Pinheiro, H.T.**; Teirxeira, J.B., *et al.* 2012. Abrolhos Bank and Vitória-Trindade Chain. In: Wider Caribbean and Western Mid-Atlantic Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (EBSAs), Convention on Biological Diversity (CBD).
6. **Pinheiro, H.T.**; Teixeira, J.B.; Frizzera, F.C. & Tavares, M. 2012. Initial Action Plan for the Marine Protected Areas APA Costa das Algas and RVS Santa Cruz, ES. SOS Mata Atlântica Foundation, protocolled at ICMBio (Brazilian Environmental Agency).
5. **Pinheiro, H.T.**; Teixeira, J.B.; Correa, F.R.; Costa, T.J.F. & Simon, T.E. 2012. Characterization and assessment of the Fishing and tourism activities in the Marine Protected Area APA de Setiba, ES. Study for a Management Plan. IEMA (Espírito Santo State Environmental Agency).
4. **Pinheiro, H.T.**; Ferreira, A.L. & Teixeira, J.B. 2010. Environmental Diagnostic of the Southern Coast of the Espírito Santo State: Complementary studies for creation of a Marine Protected Area. O Boticário Foundation and SOS Mata Atlântica Foundation, protocolled at ICMBio (Brazilian Environmental Agency).
3. **Pinheiro, H.T.** & Chequer, G. (Coord.). 2010. A truly fishermen story. Booklet about marine conservation in the southern coast of Espírito Santo State. 1st Edition (2000 prints). Voz da Natureza NGO.
2. Martins, A.S.; **Pinheiro, H.T.**; Teixeira, J.B. & Araujo, J. 2009. Characterization and assessment of fishing activities for creation of a Marine Protected Area in southern Espírito Santo State. ICMBio (Brazilian Environmental Agency).
1. Ferreira, A.L.; Ferreira, B.S.; Coutinho, B.R.; Pinheiro, H.T.; Protti, L.M.C.; Otegui, M.B.P.; Molina, R.P. & Zanardo, S.C. 2004. Researches in the Franceses Island. Voz da Natureza NGO, protocolled at ICMBio (Brazilian Environmental Agency).

RESEARCH GRANTS AND FELLOWSHIPS

- 2014 “Reef fish diversity and community structure in mesophotic reefs of the Brazilian Province” **CNPq, Brazilian Ministry of Science and Technology**; with PI Rodrigo Moura and other four Co-PIs (US\$ 20.000 for 1 year)
- 2013 “Long term monitoring of reef communities in the Brazilian Oceanic Islands” **CNPq, Brazilian Ministry of Science and Technology**; with PI Carlos Eduardo Ferreira and other five Co-PIs (US\$ 200.000 for 5 years)
- 2013 “Temporal dynamics in the reef fish assemblage of Trindade Island, Brazil” **CNPq, Brazilian Ministry of Science and Technology**; with PI Jean-Christophe Joyeux and other four Co-PIs (US\$ 35,000 for 24 months)
- 2012 “Trindade Island: reef fish connectivity as a tool for creation of a Marine Protected Area” **O Boticário Foundation**; with PI Thiony Simon and other six Co-PIs (US\$ 22,500 for 12 months)
- 2012 **Ph.D. Student Scholarship**, Brazilian Ministry of Education (US\$ 204,000 for 4 years)
- 2011 “Marine Mammals Research and Conservation in the Rio Doce coastal zone, Espírito Santo” **O Boticário Foundation**; with PI Flavia C. Frizzera and others five Co-PIs (US\$ 11,500 for 12 months)
- 2010 “Action Plan for two Marine Protected Areas of the Espírito Santo State” **S.O.S. Mata Atlântica Foundation/ Costa Atlântica Program**; with other six Co-PIs (US\$ 20,000 for 12 months)
- 2009 “Reef fishes of the insular complex Trindade–Martin Vaz, Vitória, ES: status, recruitment and evolution of assemblages” **CNPq, Brazilian Ministry of Science and Technology**; with PI Jean-Christophe Joyeux and other four Co-PIs (US\$ 50,000 for 24 months)
- 2009 “Vitória–Trindade Chain: testing the theory for stepping-stone connectivity in reef fishes” **CNPq, Brazilian Ministry of Science and Technology**; with PI Jean-Christophe Joyeux and other four Co-PIs (US\$ 50,000 for 24 months)
- 2009 “Biodiversity Assessment of Capixaba South Archipelago, SE Brazil” **S.O.S. Mata Atlântica Foundation/ Costa Atlântica Program**; with other five Co-PIs (US\$ 18,000 for 12 months)
- 2009 “Habitat Mapping” **ICMBio (Brazilian Environment Agency)**; with co-PI João Batista Teixeira (US\$ 2,000 for 6 months)
- 2009 “Seismic impacts on marine turtles and pelagic fishes” **PETROBRAS**; with PI Agnaldo S. Martins and Co-PIs Paulo A. S. Costa and Robson G. dos Santos (US\$ 1,500,000 for four years)

- 2008 “HABITATS Project – Ecological Assessment of Campos Basin (nektonic and benthic communities)” **CENPES (Leopoldo Américo Miguez de Mello Research Center)**; with PI Agnaldo S. Martins and other five Co-PIs (US\$ 800,000 for four years)
- 2008 “Marine and Fishery Diagnostic of the Arquipélago Sul Capixaba” **O Boticário Foundation**; with other four Co-PIs (US\$ 12,000 for 18 months)
- 2008 **M.Sc. Student Scholarship**, Brazilian Ministry of Education (US\$ 20,000 for two years)
- 2008 “Reef fishes: Comparing natural and artificial reefs” **FAPES (Espírito Santo Research Foundation)**, with PI Jean-Christophe Joyeux and other four Co-PIs (US\$ 10,000 for 12 months)
- 2004 “Diversity, Abundance and Community Structure of Franceses Island Reef Fishes” **O Boticário Foundation**; with other three Co-PIs (US\$ 6,000 for 18 months)
- 2003 **Graduate Student Scholarship**, Brazilian Ministry of Education (US\$ 12,000 for 2 years)

AWARDS

2. Best Scientific Research in Environmental Sciences: “Partição de nichos de peixes predadores na Ilha de Trindade, Brasil”. Authors: Coelho, F.N.; **Pinheiro, H.T.**; Santos, R.G. & Albuquerque, C.Q. 2012. 17th edition of the Prêmio Tião de Sá, Vitória, ES.
1. Best Poster Presentation “Aspectos sobre Conservação e pesca de elasmobrânquios no litoral do Espírito Santo, Brasil.” (Repinaldo Filho, F.P.M. & **Pinheiro, H.T.**). 2008. XX Semana Nacional de Oceanografia, Arraial do Cabo, RJ.

ACADEMIC EXPERIENCE

Manuscript reviews for:

Aquatic Ecology, Biotemas, Brazilian Journal of Nature Conservation, Check List, Coral Reefs, Environmental Biology of Fishes, Fishery Bulletin, International Journal of Marine Science, Journal of Biology and Nature, Journal of Fish Biology, Journal of Marine Biological Association of the United Kingdom, Marine Biodiversity Records, Neotropical Ichthyology, Ocean and Coastal Management, PLOSONE, Revista Ciencias Marinas y Costeras REVMAR.

Research Supervision

Abigail Klotz (Pacific Collegiate School) Science Internship Program, Summer 2015

Brian Jackson (UC Santa Cruz), undergraduate research 2013 – 2014.

Anup Krishnamraju (Mission San Jose High School) Science Internship Program, Summer 2014

Kavya Tewari (Castilleja School) Science Internship Program, Summer 2014

Fernando P.M Repinaldo Filho (UFES, Brazil), undergraduate research (co-advisor) 2008 – 2009.

External Thesis Reader

Rodrigo S. Zanchetta, B.S./2009, UFES

Pedro Lucio Assis, B.S./2007, UFES

Augusto dos Santos, B.S./2007, UFES

Leonardo Shuler, B.S./2007, FAESA

Felipe F. Coelho, B.S./2007, FAESA

Bernardo S. dos Santos, B.S./2007, FAESA

Guest Lectures

2015 Atlantic Ocean Reef Fish Biogeography. Ichthyology Course, UC Santa Cruz

2015 Mesophotic Diving. Scientific Diving Course, UC Santa Cruz

2015 Mesophotic Reef Ecosystems. Marine Biology Course, UFES

Teaching

2015 Summer. Teaching Assistant, Ichthyology, UC Santa Cruz

2015 Summer. Teaching Assistant, Ecology and Evolution of Reef Fishes, Biological Institute of Ocean Sciences

2014 Summer. Teaching Assistant, Ichthyology, UC Santa Cruz

2014 Spring. Teaching Assistant, Ecology and Evolution, UC Santa Cruz

2013 Spring. Teaching Assistant, Ecology and Evolution, UC Santa Cruz

2013 Winter. Teaching Assistant, Ecology and Evolution, UC Santa Cruz

Symposium Organization

Symposium “Connectivity and Evolution in the Vitória-Trindade Chain”. TAMAR Project, Vitória, ES, Brazil, March 2014

Workshop “Definition of the proposal of the marine protected area “Ilha dos Franceses”. UFES Oceanographic Station, Aracruz, ES, Brazil, October 2010.

Workshop “Marine Conservation in the Espírito Santa State and Brazil”, in the Universidade Federal do Espírito Santo, Vitória, ES, Brazil, November 2009.

Institutional Activities

Member of the Conservation Policy Group “Conexão Abrolhos-Trindade”, 2011 – Present

Research Advisory Board of the Voz da Natureza NGO, 2009 – Present

Field Experience

2015 (Jul) Bermuda, shallow reefs
2015 (May) Puerto Galera and Anilao, Philippines, mesophotic reefs
2014 (Dez) Curaçao, mesophotic reefs
2014 (Jul) Bermuda, mesophotic reefs
2014 (Jul) Monterrey, California, shallow reefs
2014 (May) Anilao and Lubang, Philippines, shallow reefs
2014 (Mar) Abrolhos Archipelago, Brazil, shallow reefs
2014 (Fev) Espírito Santo Coast, Brazil, mesophotic reefs
2013 (Jul) Baja California, Mexico, shallow reefs
2012 (Jul) Fernando de Noronha Archipelago, off Brazil, shallow and mesophotic reefs
2012 (Apr-Jun) Espírito Santo Coast, Brazil – mesophotic reefs
2012 (Apr) Guarapari Islands, Brazil, shallow reefs
2012 (Mar) Abrolhos Bank, Brazil, mesophotic reefs
2011 (Apr) Vitória-Trindade Seamount Chain, mesophotic reefs
2011 (six expeditions) Peroá Oil Platform, Linhares, Brasil, ROV observations
2010 (Mar) Abrolhos Archipelago, Brazil, shallow reefs
2009-2010 (10 expeditions) Piranema Oil Platform, Aracaju, Brasil, ROV observations
2009 (Apr-Jun) Trindade Island, off Brazil, shallow reefs
2009 (Mar; Nov; Dez) South Coast of Espírito Santo, southeast Brazil, shallow reefs
2008 (Mar) HABITATS Project Expedition, Bacia de Campos, southeast Brazil, Trawling
2008 (Feb-Apr) Guarapari Islands, southeast Brazil, shallow reefs
2007 (Feb-Apr) Trindade Island, off Brazil, shallow reefs
2006 (Feb-Apr) Rocas Atoll, off Brazil, shallow reefs
2002-2010 (near 70 expeditions) Franceses Island, Brazil, shallow reefs

Outreach Activities

California Academy of Sciences, five exhibitions about fish biodiversity, conservation and diving.

Conexão Abrolhos-Trindade, several meetings with policy makers and managers.

Voz da Natureza NGO, about 20 presentations in schools.

INVITED SEMINARS AND WORKSHOPS

- 2015 – Research and conservation activities in the Espírito Santo State. JX Jornada Academica de Oceanografia, UFES, Vitória, ES.
- 2014 – Connectivity and Evolution in the Vitória-Trindade Chain. Symposium and launch of the video documentary “Vitória-Trindade Chain: a stepping stone for reef fishes”. TAMAR Project, Vitória, ES.
- 2014 – Challenges for a marine sustainable development in the Espírito Santo State. Symposium on Port Industry Development. Legislative Assembly of the Espírito Santo State, Vitória, ES.
- 2013 – Ten years of Voz da Natureza NGO: Research and challenges. I Symposium Society and Environment. UFES, Vitória, ES.
- 2012 – Challenges for conservation and marine sustainability in the Espírito Santo State. People’s Summit at RIO+20, Rio de Janeiro, RJ.
- 2012 – Conservation and resources sustainability in the Espírito Santo State. Public Audience in the Legislative Assembly of the Espírito Santo State, Vitória, ES.
- 2012 – Biodiversity and sustainable development in the Espírito Santo Coast. Meeting and presentation with Dr. Renato Casagrande, Governor of the Espírito Santo State. Anchieta Palace, Vitória, ES
- 2012 – Biodiversity and sustainable development in the Espírito Santo Coast. Meeting and presentation with Dr. Aladim Cerqueira, President of IEMA (Espírito Santo Environmental Agency). Cariacica, ES.
- 2012 – Biodiversity and sustainable development in the Espírito Santo Coast. Meeting and presentation with the Natural Resources Management Group (GRN) and the Environmental Impact Assessment Group (SAIA) of IEMA (Espírito Santo Environmental Agency). Cariacica, ES.
- 2012 – Biodiversity and sustainable development in the Espírito Santo Coast. Meeting and presentation with Dr. Patricia Salomão, Manager of the Environmental Agency SEAMA. Vitória, ES.
- 2010 – Fishes of the Espírito Santo State: diversity, distribution and conservation. I Biological Sciences Symposium. Universidade Federal do Espírito Santo, Vitória, ES.
- 2009 – Espírito Santo Reef Fishes: Research and Conservation. Scientific Dive Workshop. São Camilo University, ES, Brazil.
- 2009 – Reef Fishes and Society. National Meeting of Social Institutes. Praia Grande, ES, Brazil.
- 2009 – Reef Environments: nature, researches, methods and conservation. Scientific Dive Course. Flamar Diving Shop, ES, Brazil.

2009 – Trindade Island reef fishes. First Naval District (Brazilian Navy), RJ, Brazil.

2007 – Brazilian Marine Turtles. 1st State Wild Life Symposium, UNIUBE, MG, Brazil.

SELECTED CONFERENCE PRESENTATIONS

Contributed

Abstracts

18. Annual Meeting of Western Society of Naturalists. Pinheiro, H.T.; Goodbody-Gringley, G.; Jessup, M.E.; Shepherd, B.; Chequer, A.D. & Rocha, L.A. (Accepted) Caribbean mesophotic coral reef fish surveys reveal unexpected diversity and high species turnover. Sacramento, CA, November 2015
17. Evolution Conference. **Pinheiro, H.T.**; Gasparini, J.L.; Joyeux, J.C.; Bernardi, G. & Rocha, L. The Vitória-Trindade Chain (SE Brazil) as a natural laboratory for reef fish evolutionary studies. Raleigh, NC, June 2014.
16. Annual Meeting of Western Society of Naturalists. Krishnamraju, A.; Tewari, K.; Teixeira, J.B. & **Pinheiro, H.T.** Prospects of conservation in a coastal Marine Protected Area of Brazil. Tacoma, WA, November 2014.
15. Annual Meeting of Western Society of Naturalists. Garcia, E.; **Pinheiro, H.T.**; Pinheiro, F.C. & Salas, E. Preliminary assessment of fish community connectivity between mangrove and reef habitats in Baja California Sur. Tacoma, WA, November 2014.
14. XV Congresso Brasileiro de Ficologia. Veras, P.C.; Amado-Filho, G.; Francini-Filho, R.; Moura, R.L.; **Pinheiro, H.T.**; Gibran, F.Z.; Matheus, Z.; Neves, L.M. & Pereira-Filho, G.H. Comportamento do peixe *Malacanthus plumieri* (Actinopterygii) e sua influência na estrutura e dinâmica de bancos de rodólitos. São Lourenço, MG, September 2014.
13. Joint Meeting of the American Society of Ichthyologists and Herpetologists. Mazzei, E.; **Pinheiro, H.T.**; Simon, T.; Joyeux, J.C.; Moura, R. & Rocha, L. Richness and similarity of reef fish assemblages along the Vitória-Trindade Chain, southwestern Atlantic. Albuquerque, NM, July 2013.
12. Joint Meeting of the American Society of Ichthyologists and Herpetologists. **Pinheiro, H.T.**; Mazzei, E.; Simon, T.; Joyeux, J.C.; Moura, R. & Rocha, L. Reef fishes of the Vitória-Trindade Seamount Chain, southwestern Atlantic. Albuquerque, NM, July 2013.
11. 1st Congreso Panamericano de Arrecife Coralinos. Quimbayo, J.P.; Morais, R.A.; Osmar J., L.; **Pinheiro, H.T.**; Ferreira, C.E.L. & Floeter, S.R. Reef Fish Communities in Eastern Pacific and Atlantic oceanic islands Mérida, Yucatán, October 2013.
10. 4th Congresso Brasileiro de Biologia Marinha. Veras, P.C.; Amado-Filho, G.; Francini-Filho, R.; **Pinheiro, H.T.**; Bahia, R.; Matheus, Z.; Moura, R.L. & Pereira-Filho, G. Papel do peixe

Malacanthus plumieri na estrutura dos bancos de rodolitos do Arquipélago de Fernando de Noronha, Brasil. Florianópolis, SC, May 2013.

9. 4th Congresso Brasileiro de Biologia Marinha. Quimbayo, J.P.; Morais, R.A.; Osmar J., L.; **Pinheiro, H.T.**; Ferreira, C.E.L. & Floeter, S.R. Estrutura das Assembleias de Peixes Recifais em Ilhas Oceânicas do Atlântico e Pacífico Oriental. Florianópolis, SC, May 2013.
8. Annual Meeting of Western Society of Naturalists. **Pinheiro, H.T.** The importance of small-scale environment factors to community structure patterns of tropical rocky reef fishes. Seaside, CA, November 2012.
7. Encontro Brasileiro de Ictiologia. **Pinheiro, H.T.**; Simon, T.E. & Joyeux, J.C. Recifes artificiais geram e importam biomassa de peixes recifais no Espírito Santo. Cuiabá, MS, January 2009.
6. Encontro Brasileiro de Ictiologia. **Pinheiro, H.T.**; Joyeux, J.C & Martins, A.S. Status of the reef fish community of a coastal island in tropical Brazil. Cuiabá, MS, January 2009.
5. Encontro Brasileiro de Ictiologia. Simon, T.E.; **Pinheiro, H.T.** & Joyeux, J.C. Estrutura e composição de comunidades de peixes associadas a ambientes naturais e artificiais. Cuiabá, MS, January 2009.
4. Encontro Brasileiro de Ictiologia. Simon, T.E.; **Pinheiro, H.T.** & Joyeux, J.C. Guildas tróficas de comunidades de peixes recifais associadas ambientes naturais e artificiais. Cuiabá, MS, January 2009.
3. Congresso Internacional de Manejo da Fauna Silvestre da Amazônia e América Latina. **Pinheiro, H.T.**; Coutinho, B.R.; Protti, L.C.; Ferreira, A.L. & Joyeux, J.C. Atividades antrópicas na Ilha dos Franceses, litoral sul do ES, Brasil: Problemas e perspectivas. Ilhéus, BA, September 2006.
2. I Congresso Brasileiro de Oceanografia. Ferreira, A.L.; **Pinheiro, H.T.**; Molina, R.P.; Protti, L.C. & Joyeux, J.C. Atores sociais envolvidos com a área proposta para criação de um Parque Nacional Marinho em Itapemirim, ES. Itajaí, SC, October 2004.
1. 55^o Congresso Nacional de Botânica e 26^o Encontro Regional de Botânicos de MG, BA e ES. Ferreira, A.L.; Coutinho, B.R.; **Pinheiro, H.T.** & Thomaz, L.D. Formações vegetais da Ilha dos Franceses, Itapemirim, ES. Viçosa, MG, July 2004.

Expanded Abstracts

14. IV Congresso Brasileiro de Oceanografia. **Pinheiro, H.T.**; Simon, T.E.; Teixeira, J.B.; Costa, T.J.F. & Repinaldo Filho, F.P.M. Ambientes recifais da costa sul do Espírito Santo. Rio Grande, RS, May 2010.

13. IV Congresso Brasileiro de Oceanografia. **Pinheiro, H.T.**; Simon, T.E.; Teixeira, J.B.; Secchin, N.A.; Costa, T.J.F. & Repinaldo Filho, F.P.M. Padrões espaciais e conectividade de habitats marinhos da costa sul do Espírito Santo. Rio Grande, RS, May 2010.
12. IV Congresso Brasileiro de Oceanografia. Teixeira, J. B. & **Pinheiro, H.T.** Mapeamento de áreas de pesca como subsídio para criação de uma Reserva de Uso Sustentável. Rio Grande, RS, May 2010.
11. IV Congresso Brasileiro de Oceanografia. Teixeira, J.B.; Martins, A.S.; **Pinheiro, H.T.** & Roquetti, M.E.T. Nova metodologia para avaliar o conhecimento ecológico local em processos de criação de áreas protegidas marinhas. Rio Grande, RS, May 2010.
10. XXI Semana Nacional de Oceanografia. Repinaldo Filho, F.P.M. & **Pinheiro, H.T.** Análise da Produção Pesqueira de elasmobrânquios no estado do Espírito Santo. Belém, PA, August 2009.
9. XX Semana Nacional de Oceanografia. Repinaldo Filho, F.P.M. & **Pinheiro, H.T.** Aspectos sobre Conservação e pesca de elasmobrânquios no litoral do Espírito Santo, Brasil. Arraial do Cabo, RJ, October 2008.
8. XX Semana Nacional de Oceanografia. Repinaldo Filho, F.P.M. & **Pinheiro, H.T.** Diversidade de raias do litoral do ES, Brasil. Arraial do Cabo, RJ, October 2008.
7. XX Semana Nacional de Oceanografia. Repinaldo Filho, F.P.M. & **Pinheiro, H.T.** Diversidade de tubarões do litoral do ES, Brasil. Arraial do Cabo, RJ, October 2008.
6. VIII Congresso de Ecologia do Brasil. Frizzera, F.C.; Vasconcelos, D. & **Pinheiro, H.T.** Avistamento de pequenos cetáceos na foz do Rio Doce, Linhares, ES. Caxambu, MG, November, 2007.
5. VIII Congresso de Ecologia do Brasil. **Pinheiro, H.T.** & Frizzera, F.C. Mortandade de peixes proporcionada pela abertura antrópica da barra da Lagoa Monsarás, Linhares, ES. Caxambu, MG, November 2007.
4. II Congresso Brasileiro de Oceanografia. Ferreira, A.L.; **Pinheiro, H.T.**; Schuler, L.; Assis, P.L. & Molina, R.P. Aves Marinhas da Ilha dos Franceses, Itapemirim, Espírito Santo. Vitória, ES, October 2005.
3. II Congresso Brasileiro de Oceanografia. Chimalli, T.; Protti, L.C.; Ferreira, A.L.; **Pinheiro, H.T.**; Molina, R.P. & Nalesso, R. Distribuição vertical da fauna bentônica do médio-litoral das faces abrigada e exposta do costão rochoso da Ilha dos Franceses, Espírito Santo. Vitória, ES, October 2005.
2. II Congresso Brasileiro de Oceanografia. **Pinheiro, H.T.**; Pinto, A.S.S. & Martins, A.S. Ictiofauna acompanhante da pesca artesanal do camarão em Itaoca, Itapemirim, ES. Vitória, ES, October 2005.

1. VI Congresso de Ecologia do Brasil. Ferreira, A.L.; Coutinho, B.R.; **Pinheiro, H.T.** & Thomaz, L.D. Composição florística da Ilha do Francês, Itapemirim, Espírito Santo. Fortaleza, CE, November 2003.

CONSULTORIES

Marine Mammal Observer. Onboard field researcher. NAV Oceanografia Ambiental. December 2011-January 2012.

Management Plan of Praia Mole Protected Area, Espírito Santo, Brazil. Ichthyologist. CEPEMAR. November 2009.

Environmental Impact Study: Oil mining activity in the BM-ES-27 area, Espírito Santo. Ichthyologist. CEPEMAR. April 2009

OUTREACH AND CONSERVATION

2009 April – June. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Field researcher and outreach activities. Trindade Island Station.

2007 February – April. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Field researcher and outreach activities. Trindade Island Station.

2006 October – 2007 January. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Field researcher and outreach activities. Povoação Station.

2006 February – April. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Field researcher and outreach activities. Rocas Atoll Station.

2004 October – 2005 February. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Field researcher and outreach activities. Povoação Station.

2002 May – June. Projeto TAMAR/ICMBio – Marine Turtle Conservation Program. Outreach technician. Ubatuba Station.

2001 April – May. Ubatuba Aquarium – Maintenance and outreach activities. Ubatuba, SP.

COMPLEMENTARY FORMATION

2014 – Prism2 Air Diluent Deco Diver. TDI-Technical Diving International.

2014 – CCR – Hollis Prism2 mixed gas diver. TDI-Technical Diving International.

2013 – Master SCUBA Diver. UCSC Scientific Diver. NAUI.

2011 – CCR Megalodon Diver. TDI-Technical Diving International.

2010 - Advanced Nitrox Diver. TDI-Technical Diving International.

2010 - Decompression procedures. TDI-Technical Diving International.

2010 - Extended range. TDI-Technical Diving International.

2010 - Trimix. TDI-Technical Diving International.