

PERSONAL INFORMATION

Andrés Beita-Jiménez



📍 St John's, Newfoundland and Labrador, Canada

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🌐 https://www.researchgate.net/profile/Andres_Beita-Jimenez

Sex Male | Date of birth 20/09/1989 | Nationality Costa Rican

SCIENTIFIC INTEREST

Fisheries assessment and management. Quantitative marine ecology. Biostatistics. Fish ecology. Coral reef ecology.

EDUCATION AND TRAINING

- 2017-2019 **M.Sc student. in Fisheries Science (Stock Assessment)**
Fisheries and Marine Institute, Memorial University of Newfoundland, Canada.
GPA 3.8
- 2017 **Bachelor degree in Biology**
University of Costa Rica

LANGUAGES

- Mother tongue(s) Spanish
- Other language(s) English Intermediate/Advanced level
Total score in TOEFL ibt: 94

PEER REVIEWED PUBLICATIONS

- Villalobos-Rojas, F., J. Herrera-Correal, C. Garita-Alvarado, T. Clarke & **A. Beita-Jiménez**. (2014). Economic activities that depend on ichthyofauna in the North Pacific of Costa Rica. *Revista de Biología Tropical*. 62 (Suppl. 4), 119-138. (In Spanish with English abstract)
- Alvarado, J.J., **A. Beita-Jiménez**, S. Mena, C. Fernández & A.G. Guzmán. (2015). Osa Conservation Area (Costa Rica) coral ecosystems: structure and conservation needs. *Revista de Biología Tropical*. 63 (Suppl. 1), 219-259. (In Spanish with English abstract)
- Beita-Jiménez, A.** & J.J. Alvarado. (2016). Unusual coloration in the yellow tail damselfish *Stegastes arcifrons* (Actinopterygii: Pomacentridae) at Isla del Coco National Park, Costa Rica. *Revista de Biología Tropical*. 64(Suppl. 1), 197-199.
- Alvarado, J. J., **Beita-Jiménez, A.**, Mena, S., Fernández-García, F., Guzmán, A. G., & Cortés, J. (2016). Ecosistemas coralinos del Área de Conservación Marina Isla del Coco, Costa Rica: estructura y comparación 1987-2014. *Revista de Biología Tropical*, 61(Suppl. 1), 153-175. (In Spanish with English abstract)
- Alvarado, J. J., **Beita-Jiménez, A.**, Mena, S., Fernández-García, F., Cortés, J., Sánchez-Noriega, C., Jiménez, C. & Guzmán, A. G. (2018). When conservation can't keep up with development's pace: Health status of coral ecosystems in the North Pacific of Costa Rica. *Revista de Biología Tropical*, 66(Suppl. 1), S280-S308. (In Spanish with English abstract)
- Beita-Jiménez, A.**, J.J. Alvarado, S. Mena, & A.G. Guzmán. (2019). Benefits of protection on reef fish assemblages in a human impacted region in Costa Rica. *Oceans and Coastal*

Management, 169, 165-170.

Auster, P.J., Cortés, J., Alvarado J.J., & **Beita-Jiménez, A.** (2019). Coordinated hunting behaviors of mixed species groups of piscivores and associated species at Isla del Coco National Park (Eastern Tropical Pacific). *Neotropical Ichthyology*, 17, (1), e180165.

Arias-Godínez, G., Jiménez, C., Gamboa, C., Cortés, J., Espinoza, M., **Beita-Jiménez, A.** & Alvarado, J.J. *In review*. The effect of coral reef degradation on the trophic structure of reef fishes from Bahía Culebra, north Pacific coast of Costa Rica. *Marine Ecology*.

RESEARCH EXPERIENCE

2017- Research Assistant

Fisheries and Marine Institute, Memorial University of Newfoundland, Canada.

2017 Research Intern

Marine Biology Department, University of La Laguna, Tenerife, Spain.

- Data analysis on coral reef health related to marine protected areas.

From 2010 to 2017 Research Assistant

Center of Research in Marine Sciences and Limnology (CIMAR), University of Costa Rica

- Sampling and identification of freshwater insects in the project "Methodology for the development of a predictive model for the water quality based in population and environmental parameters"
- Underwater sampling of reef fish, data analysis and manuscript writing for a monitoring program of Costa Rican coral reefs, including isolated reefs in Isla del Coco National Park

2012 Research Intern

Fisheries Ecology Laboratory, Center for Research and Higher Education of Ensenada, Baja California, México (CICESE).

- Age determination using fish otoliths and shark vertebrae.

From 2008 to 2012 Research Assistant

Fisheries and Aquaculture Research Unit, Center of Research in Marine Sciences and Limnology (CIMAR), University of Costa Rica

- Processing of samples from deep shrimp trawl fishery
- Identification of fishes and crustaceans
- Determination of sex, fecundity, reproductive status of fish and crustaceans

From 2007 to 2012 Research Assistant

Invertebrate section, Zoology Museum, University of Costa Rica.

- Collection maintenance
- Marine invertebrate identification

TEACHING EXPERIENCE

From 2011 to 2016 Teaching Assistant

Introductory Biology Lab. School of Biology, University of Costa Rica.

2014 Teaching Assistant

General Ecology Lab, School of Biology, University of Costa Rica.

From 2012 to 2014 Trainer

Underwater surveys for monitoring reef fishes, Costa Rica.

2012 Teaching Assistant

Biomonitoring Aquatic Environments, School of Biology, University of Costa Rica.

WORK EXPERIENCE

From 2014 to 2017 Consultant

- Conservation International Costa Rica
- Give technical advice about IUU fishing, artisanal fishing and marine conservation.
 - Consolidation of information and data analysis of artisanal fisheries.
- From 2012 to 2015 **Consultant**
- University of Costa Rica
- Underwater, trawl and gillnet surveys of fish populations in Golfo Dulce, Costa Rica
 - Fish identification
- From 2011 to 2014 **Consultant**
- AquaBioLab S.A
- Freshwater fish and aquatic insects surveys and identification for Environmental Impacts Assessments
- 2012 **Consultant**
- Costa Rica por Siempre and BIOMARCC
- In charge of the fisheries component in the project "Scientific studies in coastal zone of North Pacific of Costa Rica".

POPULAR PUBLICATIONS

- Beita, A.** (2015). Sharks in danger. Op-Ed. for La Nación newspaper. (in Spanish) <https://goo.gl/Px3rjL>
- Beita, A.** (2015). Whale watching: Joy that can be counted. Blog for Conservation International. (in Spanish) <https://goo.gl/xEtYqW>
- Beita, A.** and Beita, J. (2016). Health and the environment go hand in hand. Op-Ed. for La Nación newspaper. (in Spanish) <https://goo.gl/PDP76B>
- Beita, A.** (2017). From student to scientist. Blog for Conservation International. (in Spanish) <https://goo.gl/mePpsw>
- Beita, A.** (2018). "Ticos" do not know Costa Rica. Op-Ed. for La Nación newspaper. (in Spanish) <https://goo.gl/4GM1Mu>

CONFERENCE PRESENTATIONS

- Oral presentation.** **Beita, A.**, A. LeBris & E. Pedersen. *Spatiotemporal patterns of northern shrimp (*Pandalus borealis*) life-history traits and its relation to density and environmental variability.* Benthic Ecology Meeting. St. John's, Newfoundland, Canada. April 2019.
- Oral presentation.** **Beita, A.**, J.J. Alvarado & A.G. Guzmán-Mora. *Do diverse conservation strategies drive the structure of reef fish communities in the Pacific of Costa Rica?* I Congreso Costarricense de Ictiología. IV Simposio Latinoamericano de Ictiología. San José, Costa Rica. 2-5 noviembre 2015.
- Oral presentation.** **Beita, A.**, J.M., Carvajal & D. Bermúdez-Mora. *Captura incidental asociada a la pesquería de sardina (*Opisthonema spp*) con red de cerco en Pacífico de Costa Rica.* I Congreso Costarricense de Ictiología. IV Simposio Latinoamericano de Ictiología. San José, Costa Rica. 2-5 noviembre 2015.
- Poster.** **Beita, A.**, D. Solano-Ulate, K. García-Méndez, R. Araya-Blanco & T. Sancho-Mejías. *"Influencia en la cobertura del dosel en la composición de grupos funcionales de macroinvertebrados de fondo rocoso en un río tropical, Costa Rica"* II Simposio de Macroinvertebrados Acuáticos y Limnología en Costa Rica. Universidad de Costa Rica. 16 de Noviembre del 2009.
- Poster.** Hernáez, P., **A. Beita**, E. Villegas-Jiménez, I.S. Wehrtmann. *"Reproduction in Central American deepwater shrimp: the case of *Pantomus affinis* and *Plesionika trispinus* (*Pandalidae*) from Pacific Costa Rica"* XIII Congreso Latinoamericano de Ciencias del Mar (COLACMAR), VIII Congreso de Ciencias del Mar (MARCUBA), 4to. Taller Internacional PESCA, La Habana, Cuba. 26 a 30 de Octubre del 2009.
- Poster.** I.S. Wehrtmann, **A. Beita**, C. Benavides, T. McLellan-Clarke, O. Durán, S. Echeverría-Sáenz, C. Garita, Y. Gutiérrez-Jara, J. Herrera, M. Luna, S. Martínez, J. Nivia, V. Nielsen, J. Ortiz, E. Villegas, F. Villalobos-Rojas & P. Hernáez. *"Distribución y abundancia de la carcinofauna de aguas profundas del Pacífico de Costa Rica: una aproximación al manejo sostenible"*. XIII Congreso Latinoamericano de Ciencias del Mar (COLACMAR), VIII

Congreso de Ciencias del Mar (MARCUBA), 4to. Taller Internacional PESCA, La Habana, Cuba. 26 a 30 de Octubre del 2009.

COURSES AND WORKSHOPS

- 2019 Workshop. "Software Carpentry Workshop (Unix shell, Git and R)", Memorial University of Newfoundland, Canada.
- 2019 Workshop. "Indigenous Cultural Diversity Training", First Light, St. John's, NL, Canada.
- 2015 Course. "Management of Pacific Salmon Fisheries", Bristol Bay Alaska. Professor PhD. Ray Hilborn, and PhD. Milo Adkison, University of Washington School of Aquatic & Fishery Sciences (SAFS).
- 2015 Course. "Bayesian Statistics", Professor PhD. Ricardo Alvarado, University of Costa Rica.
- 2014 Course. "Modern Statistics using R" professor PhD Manue Spínola. National University of Costa Rica.
- 2014 Course "Introduction to stock assessment" Professor PhD Carolina Minte-Vera, Inter-American Tropical Tuna Commission (IATTC), In San José Costa Rica.
- 2012 Course. "Taxonomy of sea cucumbers (Holothuroidea: Equinodermata)" Professor Dr. Francisco Solis-Marín, UNAM, México. In San José, Costa Rica.
- 2011 Course. "Fisheries Ecology and Management" Professor Ph.D Robert Arhens, University of Florida. In Golfito, Costa Rica.
- 2010 Workshop. "Introduction to the parasites of sharks and rays (lecture and training)" Departament of Ecology & Evolutionary Biology, University of Kansas and University of Costa Rica.
- 2009 Course "Assesment and management of marine resources" IFOP, Chile, and University of Costa Rica.

ADDITIONAL INFORMATION

- Scientific reviewer for journals
 - Revista de Biología Tropical/International Journal of Tropical Biology and Conservation (4 papers)
 - CBM - Cahiers de Biologie Marine (1 paper)
 - Revista de Ciencias Marinas y Costeras (1 paper)
- Diving training
 - PADI Advance Open Water Diver
 - TDI Nitrox Diver
 - 215 scientific dives including kelp forest dive, night dive, deep dive, etc.
- Statistical packages and programing
 - Good statistics and programing background. I use statistic software like R, Template Model Builder (TMB), Git, PRIMER.
- Other skills
 - Experience as observer on board of semi-industrial trawl vessels.
 - Experienced in underwater surveys of fish, invertebrates and corals.
 - Knowledge of technics of age determination in fish