

Curriculum Vitae

Personal Data

NAME: Ramón Bonfil

Key Features

- Excellent research track: more than 35 publications and numerous technical reports covering a wide range of issues in the fields of marine ecology, conservation biology and fisheries (including two papers in *Science*, two monographs with the United Nation's Food and Agriculture Organization, and three edited volumes).
- Original research in marine ecology and conservation: founder and leader of three conservation research projects to study migratory behavior of great white sharks via satellite technology (South Africa 2002-2004, New Zealand 2005-present, and Mexico 2006-present). These projects have yielded key discoveries about great white shark ecology and provided vital information for the design and implementation of better conservation measures.
- More than 25 years of active work in marine biology with particular emphasis in fish biology, ecology and conservation, fisheries stock assessment and management, and marine zoology.
- Strong scientific background: graduate studies in fisheries and resource management science at world leading institutions.
- Proven fundraising capabilities: ten research grants amounting to over \$390,000 in the last five years.
- Wide professional experience: work at the local, regional and international level in North and Central America, Europe, Oceania and the Middle East.
- Excellent communication skills: over 35 presentations delivered at scientific conferences and symposia.
- First-rate scientific writing skills: Scientific and Technical Editor for the UN's FAO, reviewer for several international journals, and editor of three scientific volumes.
- Teaching experience at graduate and undergraduate levels in several countries.
- Multilingual: fluent in English and Spanish, and conversational Italian.
- Full command of computers.
- International recognition: consultant work internationally; keynote speaker and invited speaker at several international meetings.
- Experienced field researcher, skillful with handling of live elasmobranchs, outboard motor boats, fishing gear, SCUBA diving.

Professional Experience

- 2008- High School Biology Teacher, NYC Department of Education.
- 2008 Scientific Advisor to NHNZ (New Zealand) for National Geographic's documentary "Great White Odyssey".
- 2007 Director, Marine Resources Management Program. for MarViva, an NGO working in Latin America.
- 2006 - 2007 Independent fisheries consultant and freelance researcher. Primary Researcher for *Shark-Tracker*, a private funding program for telemetry studies of great white sharks associated with the German NGO *NABU*. Collaboration with National Geographic for their documentary 'Ultimate Shark'.
- 2005 Consultant to FAO Fisheries Department and OSPESCA for development of National Plans of Action for the Conservation and Management of Sharks in the seven countries of Central America as part of this region's effort to comply with the FAO's IPOA-Sharks. July – Dec

- 2005.
- 2005 Instructor, Case Studies in Fisheries Management Course, Center for Environmental Research and Conservation, Columbia University.
- 2004 Contracted by FAO Fisheries Department and OSPESCA to lead the initial Workshop for the Development of National Plans of Action for the Conservation and Management of Sharks in the seven countries of Central America as part of this region's effort to comply with the FAO's IPOA-Sharks. Nov 29-Dec 3, 2004.
- 2003-2005 US Delegate (nominated by NOAA/NMFS) to the Working Group on Elasmobranch Fishes of ICES (International Council for the Exploration of the Sea).
- 2002-2006 Member of the Advisory Panel for the Management of Highly Migratory Species (Tunas, billfishes and sharks) of the US National Marine Fisheries Service.
- 2001- 2005 Conservation Fisheries Scientist for the Marine Conservation Program (until 2005) and the Ocean Policy Program (until 2003) of the Wildlife Conservation Society. Founder and leader of a research project to advance the conservation of large sharks through the study of their long-range movements and migrations using satellite tags (great white shark in South Africa, whale sharks in the South Pacific, and white sharks in New Zealand); part of a stock assessment team working on the conservation of pelagic fish at various national and international fora (ICCAT, ICES, US NMFS), part of a team reviewing and developing Ecosystem-based Fisheries Management methods and plans for the US, and providing general advice to WCS' shark-related programs.
- 2000-2001 Consultant for training and technical assistance in shark fisheries monitoring, stock assessment and management, and species identification. (Employer: PERSGA, Regional Organization for the Conservation and Environment of the Red Sea and Gulf of Aden, Jeddah).
- 1999-2001 Scientific and Technical Editor for the FAO Fisheries Synopsis Series (Employer: Food and Agriculture Organization of the United Nations, Rome)
- 1999-2001 Research Associate. Fisheries Centre, UBC. Vancouver, Canada. Various positions, including Research Officer in charge of preparing the core report for a project funded by WWF International studying the impacts of Distant Water Fleets around the world.
- 1999 Contracted to complete work on two overviews of the status of elasmobranch fisheries in South America. (Employer: Shark Specialist Group, IUCN).
- 1998 Contracted to prepare information on impacts of fisheries and conservation status of sharks for FAO's WebPage. (Employer: Food and Agriculture Organization of the United Nations, Rome).
- 1997-1998 Contracted to document a case study of shark fisheries management in British Columbia, Canada. (Employer: Food and Agriculture Organization of the United Nations, Rome).
- 1996-1997 Postdoctoral Research Fellow. Fisheries Centre, University of British Columbia, Vancouver, BC, Canada. In charge of a special industry-funded research project for the assessment and management of groundfish resources in British Columbia.
- 1993 Contracted to prepare a world review of fisheries for sharks and rays. (Employer: Food and Agriculture Organization of the United Nations, Rome).
- 1992- Member of the IUCN/SSC Shark Specialist Group (by invitation).
- 1991 Subcontracted by the Renewable Resources Assessment Group (RRAG; Imperial College, UK) and the Institute di Recherche sulla Pesca Marittima (IREPEM), Ancona, Italy, to perform database analysis work in the Project "Analysis of Adriatic pelagic fish stocks".
- 1991 Subcontracted by the Renewable Resources Assessment Group (RRAG; Imperial College, UK) to perform computer based tests of fish stock assessment methods as part of the development of the Catch and Effort Data Analysis package (CEDA), for the Overseas Development Administration .
- 1986-1989 Technical Secretary of the Advisory Committee for the Gulf of Mexico Shark Research Programme, National Fisheries Institute. Coordinating research on shark fisheries between

- four labs and four research groups including a staff of about 10 people. Responsible for organisation, execution and reporting of workshops.
- 1985-1989 Head, Shark Fisheries Research Programme. Regional Centre of Fisheries Research of Yucalpetén, National Fisheries Institute, México. Planning and organisation of all tasks related with the research program; budgeting, field work coordination, data analysis and publication; with direct supervision over a biologist and a technician.
- 1984-1985 Scientific Researcher. Regional Centre of Fisheries Research of Yucalpetén, National Fisheries Institute, Mexico. As part of a research team working with tropical fishery resources.
- 1979-1981 Research Assistant, Ecology of Benthos Research Programme, Instituto de Investigaciones Oceanológicas, Universidad Autonoma de Baja California, Ensenada, Mexico. Part of a team of three researchers and four technicians working on inventories and basic ecology of benthic invertebrates. Responsible for organising and carrying field work on a study of decapod crustaceans; analysis of samples and writing up of reports; creation of a brachyuran collection for the University Museum.

Grants and Awards

- NABU (Naturschutzbund Deutschland) Grant (\$22,690) for study: Population Connectivity and Migratory Movements of Great White Sharks in New Zealand; February 2007.
- NABU (Naturschutzbund Deutschland) Grant (\$15,000) for study: Migratory and population connectivity studies of white sharks (*Carcharodon carcharias*) from Guadalupe Island, Mexico; September 2006.
- National Geographic Society, Explorations Council. Complementary Grant (\$20,000) for study: Migratory and population connectivity studies of white sharks (*Carcharodon carcharias*) from Guadalupe Island, Mexico; September 2006.
- The Eppley Foundation for Research Inc., (\$31,165) for study: Population Connectivity and Migratory Movements of Great White Sharks in New Zealand. December 2005.
- National Geographic Society, Explorations Council. Grant (\$50,082) for study: Population connectivity and migratory movements of great white sharks from New Zealand; October 2005.
- Roe Foundation grant (\$50,000) to start a conservation research project on great white sharks in New Zealand. July 2005.
- Norcross Wildlife Foundation, Inc. grant (\$5,000) to conduct conservation research on great white sharks in New Zealand. June 2005.
- Roe Foundation grant (\$82,000 US) to continue conservation research project to study the spatial dynamics and migratory movements of great white sharks in South Africa. Sep 2004.
- Roe Foundation grant (\$70,000 US) to continue conservation research project to study the spatial dynamics and migratory movements of great white sharks in South Africa. Jan 2003.
- Roe Foundation grant (\$50,000 US) to develop and implement a conservation research project to study the spatial dynamics and migratory movements of great white sharks in South Africa. Jan 2002.
- Invited as a Visiting Expert by the FAO of the UN, May 1-Oct 31, 2000, Headquarters, Rome, Italy.
- Invited as a Visiting Expert by the FAO of the UN, July 15-Aug 15, 1999, Headquarters, Rome., Italy.
- CIDA travel grant to attend ICES/SCOR meeting on 'Ecological Effects of Fishing', Montpellier, France, March 16-19, 1999.
- STA Postdoctoral Fellowship (Japanese Science and Technology Corporation) for research on pelagic sharks at the National Research Institute of Sea Far Fisheries, Shimizu, Japan. Jan-Apr 1999
- UNESCO/IOC Study Grant. 5th Indo Pacific Fish Conference, Noumea, N.C. Nov. 1997
- Postdoctoral Fellowship. UBC Fisheries Centre. Sep 1996-Jan 1998.

- National Research System Award (National Researcher, Level I), CONACYT, México. 1996-1999
- UBC. Travel Award. American Fisheries Society 125th Annual Meeting. Tampa, Fl. Aug. 1995.
- UBC. Fisheries Centre Research Assistantship. October 1994 to March 1995.
- CONACYT (México) Scholarship for PhD studies, Apr. 1991-Sept. 1994.
- National Research System Award (Researcher Candidate), CONACYT, México. 1993-1996.
- British Council Scholarship for M.Sc. studies at the University of Wales, UK 1989-1990.
- Research Grant from Government of Yucatán and CINVESTAV Mérida, (México) for a two year study of age and growth of sharks in the Campeche Bank. 1989-1991.
- CONACYT (México) Scholarship for Bachelor's thesis. May 1982-July 1983.

Teaching Experience

- High School Biology Teacher, Henry St. School for International Studies, NYC Department of Education. September 2008-June 2009.
- Guest Lecturer: Ecology Course. The Cooper Union, New York City, April 2007.
- Instructor. Graduate course on Stock Assessment Methods and their Application to Sharks and Rays, M.Sc. Program in Oceanography, Instituto de Ciencias del Mar y Limnología, UNAM. Mexico City, August 2006.
- Invited lecture “Great white sharks, satellites and marine conservation”. Torrey Pines High School, San Diego, CA., June 8, 2006
- Invited lecture, Natural Resources undergraduate course, Faculty of Sciences, UNAM, Mexico City, April 26, 2006.
- Invited seminar “Studying the Migratory Behavior of Great White Sharks using Satellite Technology”. Department of Geography, Hunter College, CUNY, February 23, 2006.
- Instructor. Graduate course: Case Studies on Fisheries Science and Management. Certificate Program in Conservation Biology, Center for Environmental Research and Conservation, Columbia University, Fall 2005.
- Lecturer. WCS Adult Education Summer Program, Bronx Zoo. Lecture on “Saving Great White Sharks and Whale Sharks”. June 5, 2005.
- Instructor. Regional course on “Stock Assessment of Shark and Ray Fishery Resources”. Given to scientists and fishery officers of member countries of PERSGA (Regional Organization for the Conservation of the Environment of the Red Sea and Gulf Of Aden). Aden, Yemen. April 27-May 2, 2002.
- Instructor. Regional course on “Elasmobranch Species Identification and Sampling Methods”. For scientists and fishery enumerators of member countries of PERSGA (Regional Organization for the Conservation of the Environment of the Red Sea and Gulf Of Aden). Aden, Yemen. April 28-May 1, 2001.
- Invited lecture for the Population Dynamics course, Department of Zoology, University of British Columbia, 1997.
- Invited lecture for the Fish Biology course, Department of Zoology, University of British Columbia, 1994.

Synergistic Activities

- Founder and co-P.I. of a collaborative project for white shark conservation ecology with New Zealand’s National Institute of Water and Atmospheric Research and the Department of Conservation. 2005 – present.
- Leader of the Wildlife Conservation Society’s successful research and policy initiative to help get

the great white shark listed in Appendix II of CITES.

- Organizer of International Workshop “Conservation Research of Great White Sharks”. Central Park Zoo, New York, NY. 20-22 January 2004.
- Founder and P.I. of a collaborative project for white shark conservation research in South Africa with the Marine and Coastal Management Branch of the South African Department of Environmental Affairs and Tourism. 2002-2005.
- Reviewer of grant applications for the National Science Foundation, the National Geographic Society and the Royal Society of New Zealand.
- Reviewer to the National Marine Fisheries Service for the Stock Assessment process for the Atlantic Shark Fishery, and member of the NMFS Advisory Panel for the Highly Migratory Fishes Fishery (2002-2006).
- Referee of scientific papers for: *Ecology*, *Reviews in Fish Biology and Fisheries*, *US Fishery Bulletin*, *Marine and Freshwater Research*, *Fisheries Research*, *Animal Biology*, *NOAA Technical Reports NMFS*, *Cahiers de Biologie Marine*, *Journal of King Abdulaziz University – Marine Sciences*, and the New England Aquarium.

Languages

Spanish, read, written and spoken, (Mother tongue)

English, read, written and spoken, (Excellent)

Italian, read, written and spoken, (Fair)

French, read and spoken, (limited)

Portuguese, read and spoken, (limited)

Education

M.Sc. in Adolescent Education. Pace University, New York City. June 2008 to present. Program should be completed and degree conferred by July 2010.

Postdoctoral Research 1999. National Research Institute of Far Seas Fisheries, Shimizu, Shizuoka, Japan. Invited by the Japanese government to perform analyses of fisheries data on pelagic resources of the Pacific Ocean in collaboration with Japanese scientists.

Postdoctoral Research 1996-1998. Fisheries Centre, University of British Columbia, Vancouver, BC, Canada. In charge of a special industry-funded research project for groundfish resources in British Columbia. Responsible for carrying stock assessment work on the main groundfish resources of the region and for organizing reviews of this work by panels of international experts. Providing scientific advice in the identification and planning of new projects, and in the evaluation of programmes funded by industry. Liaison with government personnel, academics, and industry representatives to achieve the goals of the project.

Ph.D. in Resource Management and Environmental Science, 1996. University of British Columbia, Vancouver, BC, Canada. (The first two years of the PhD were spent at the Renewable Resources Assessment Group, Imperial College, University of London, UK, from where studies were transferred to UBC in 1993).

PhD research focused on modeling population dynamics, assessment methods, and management systems for elasmobranchs using deterministic and Monte Carlo simulation techniques.

Main courses: Theoretical Population Dynamics; Fisheries Biology and Management; Stochastic Dynamic Programming.

M.Sc. in Fisheries Biology and Management (First Class), 1991. University of North Wales, Bangor, United Kingdom.

Thesis dealt with the age, growth, reproduction and assessment of the silky shark fishery of Yucatán,

México.

Main courses: Fisheries Ecology and Assessment; Fish Reproduction; Fish Migrations; Natural Resource Economics.

B.Sc. in Oceanology (with Honorable Mention), 1983. Universidad Autónoma de Baja California, Ensenada BC México.

Thesis dealt with systematics, distribution, ecology, and zoogeography of brachyuran crabs in Todos Santos Bay, Baja California, México.

Main courses: Fisheries Science; Aquaculture; Biostatistics; Maths, Oceanography; Zoology; Marine Botany; Marine Ecology; Geology.

Other courses:

Selected Topics in Modern Fisheries Science. CINVESTAV, Merida, Yuc. México. 1984. 240 hrs. (Professors: D.H. Cushing and G.G. Walter).

Coral Reef Ecology. CINVESTAV. Pto. Morelos, Q. Roo. México. 1985. 120 hrs. (Professors: S.L. Olhorst and W.D. Liddell)

Advanced SCUBA and Research Diving (N.A.U.I.). Scripps Institution of Oceanography, La Jolla, Ca. 1983. 100 hrs. (Trainer: James Stewart).

Computer literacy:

PC-based systems, full command of word processors, spreadsheets, relational data bases, BASIC programming, Adobe Acrobat, Photoshop, and presentation software.

Publications

Bonfil, R., S. Clarke and H. Nakano. (2008). The Biology and Ecology of the oceanic whitetip shark, *Carcharhinus longimanus*. pp. 128-139, **in:** *Sharks of the Open Ocean*, (E. Pikitch and M. Camhi, eds.). Blackwell Scientific Publications.

Bonfil, R.(2008). The Biology and Ecology of the Silky Shark, *Carcharhinus falciformis*. pp. 114-127, **in:** *Sharks of the Open Ocean*, (E. Pikitch and M. Camhi, eds.). Blackwell Scientific Publications

Francis, M., Bonfil, R., Duffy, C., Maning, M., O'Brien, S., Mangold, B., and Fener, H. (2007). Great Whites – Rovers or Residents? *New Zealand Fishing News*. September 2007: 24-26

Francis, M., Bonfil, R., Duffy, C., Maning, M., O'Brien, S., Mangold, B., and Fener, H. (2007). Shark trek. *Forest & Bird* 324: 24-25.

Bonfil, R., M. Meyer, M. C. Scholl, R. Johnson, S. O'Brien, H. Oosthuizen, S. Swanson, D. Kotze, and M. Paterson. (2005). Transoceanic Migration, Spatial Dynamics and Population Linkages of White Sharks. *Science* 310: 100-103.

Bonfil, R. (2005). 2. The Purpose of Stock Assessment and the Objectives of Fisheries Management. pp. 6-14, **in:** Musick, J. and R. Bonfil. (Eds). *Management Techniques for Elasmobranch Fisheries. FAO Fisheries Technical Paper*. No. 474. Rome, FAO. 2005. 251p.

Bonfil, R. (2005). 10. Fishery Stock Assessment Models and Their Application to Sharks. 48 pp. 154-181, **in:** Musick, J. and R. Bonfil. (Eds). *Management Techniques for Elasmobranch Fisheries. FAO Fisheries Technical Paper*. No. 474. Rome, FAO. 2005. 251p.

Simpfendorfer, C., R. Bonfil, and R. Latour. (2005). 8. Mortality Estimation. pp. 127-142, **in:** Musick, J. and R. Bonfil. (Eds). *Management Techniques for Elasmobranch Fisheries. FAO Fisheries Technical Paper*. No. 474. Rome, FAO. 2005. 251p.

Bonfil, R. (2005). Species Accounts: Silky shark *Carcharhinus falciformis* (Brisson, in Muller & Henle, 1839). Pp. 288-290, **in:** Fowler, S.L., Cavanagh, R.D., Camhi, M., Burgess, G. H., Cailliet, G.M., Fordham, S.V., Simpfendorfer, C.A., and Musick, J.A. (comp. and ed.). *Sharks, rays and chimaeras: the status of the chondrichthyan fishes*. Status Survey. IUCN/SSC Shark Specialist

- Group. *IUCN*, Gland, Switzerland and Cambridge, UK. x + 461 pp.
- Bonfil, R., Amorim, A. and Simpfendorfer, C.A. (2005). Regional Overviews: 7.5 Southwest Atlantic. pp. 131-139, **in**: Fowler, S.L., Cavanagh, R.D., Camhi, M., Burgess, G. H., Cailliet, G.M., Fordham, S.V., Simpfendorfer, C.A., and Musick, J.A. (comp. and ed.). *Sharks, rays and chimaeras: the status of the chondrichthyan fishes*. Status Survey. IUCN/SSC Shark Specialist Group. *IUCN*, Gland, Switzerland and Cambridge, UK. x + 461 pp.
- Bonfil, R., Simpfendorfer, C.A., and Acuña, E. (2005). Regional Overviews: 7.10 Southeast Pacific. pp. 186-192, **in**: Fowler, S.L., Cavanagh, R.D., Camhi, M., Burgess, G. H., Cailliet, G.M., Fordham, S.V., Simpfendorfer, C.A., and Musick, J.A. (comp. and ed.). *Sharks, rays and chimaeras: the status of the chondrichthyan fishes*. Status Survey. IUCN/SSC Shark Specialist Group. *IUCN*, Gland, Switzerland and Cambridge, UK. x + 461 pp.
- Burgess, G. H., M. Camhi, S.J. Fordham, J.A. Musick, R. Bonfil, S. Branstetter, C.C.A. Shing, L.W. Gonzalez and T. Hoff. (2005). Regional Overviews: 7.3 Northwest Atlantic. pp. 95-112, **in**: Fowler, S.L., Cavanagh, R.D., Camhi, M., Burgess, G. H., Cailliet, G.M., Fordham, S.V., Simpfendorfer, C.A., and Musick, J.A. (comp. and ed.). *Sharks, rays and chimaeras: the status of the chondrichthyan fishes*. Status Survey. IUCN/SSC Shark Specialist Group. *IUCN*, Gland, Switzerland and Cambridge, UK. x + 461 pp.
- Pikitch, E.K., C. Santora, E.A. Babcock, A. Bakun, R. Bonfil, D.O. Conover, P. Dayton, P. Doukakis, D. Fluharty, B. Heneman, E.D. Houde, J. Link, P.A. Livingston, M. Mangel, M.K. McAllister, J. Pope & K.J. Sainsbury (2004) Letter to the Editor: Response to Fishery Management and Culling. *Science* 306: 1892.
- Pikitch, E.K., C. Santora, E.A. Babcock, A. Bakun, R. Bonfil, D.O. Conover, P. Dayton, P. Doukakis, D. Fluharty, B. Heneman, E.D. Houde, J. Link, P.A. Livingston, M. Mangel, M.K. McAllister, J. Pope & K.J. Sainsbury. (2004). Ecosystem-Based Fishery Management. *Science* 305: 346-347.
- Bonfil, R. and S. O'Brien (2004) More great whites to spy on. *Wildlife Conservation*. October 2004: 12
- Bonfil, R. and M. Abdallah. (2004). Field Identification Guide to the Sharks and Rays of the Red Sea and Gulf of Aden. *FAO Species Identification Guide for Fishery Purposes*. Rome, FAO. 2004. 71p. 12 colour plates.
- Bonfil, R. (2004). Spying on great white sharks to better protect them. *Wildlife Conservation*. April 2004: 6-7
- Bonfil, R. (2002). Regional Training Courses on Elasmobranch Identification, Sampling and Stock Assessment Methods. Training Workshop Report 2002 Number 3. *The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden*. 90 pp.
- Bonfil, R. 2002. Trends and patterns in world and Asian elasmobranch fisheries. pp 15-24. **in**: Fowler, S.L., Reid, T. and Dipper, F.A. (eds). *Elasmobranch Biodiversity, Conservation and Management. Proceedings of the International Seminar and Workshop, Sabah, Malaysia, July 1997. (258pp.) (Edited by: Fowler, S.L., Reed, T.M. and Dipper, F.A.) Occasional Paper of the IUCN Species Survival Commission No.25.*
- Bonfil, R. and E.A. Babcock. 2002. Estimation of catches of sandbar (*Carcharhinus plumbeus*) and blacktip (*C. limbatus*) sharks in the Mexican fisheries of the Gulf of Mexico. Paper submitted at the 2002 Shark Evaluation Workshop. NMFS. Panama City, June 2002. SB-02-3.
- Apostolaki, A., E.A. Babcock, M.K. McAllister, and R. Bonfil. 2002. Assessment of large coastal sharks using a two-area, fleet-disaggregated, age-structured model. Paper submitted at the 2002 Shark Evaluation Workshop. NMFS. Panama City, June 2002. SB-02-1.
- McAllister, M.K., E.A. Babcock, R. Bonfil, and E.K. Pikitch. 2002. Importance sampling issues in the 1998 large coastal shark assessment. Paper submitted at the 2002 Shark Evaluation Workshop. NMFS. Panama City, June 2002. SB-02-25.
- Apostolaki, P., M.K. McAllister, E.A. Babcock, and R. Bonfil. 2001. Use of a generalized stage-based, age, sex-structured model for shark stock assessment. SCRS/01/60. ICCAT.
- Stevens, J. D., R. Bonfil, N. K. Dulvy, and P. A. Walker. 2000. The effects of fishing on sharks, rays and

- chimaeras (chondrichthyans), and the implications for marine ecosystems. *ICES Journal of Marine Science*, 57: 476-494. Doi:10.1006/jmsc.2000.0724
- Bonfil, R. 1999. The dogfish (*Squalus acanthias*) fishery of British Columbia, Canada, and its management. pp. 608-655. in: R. Shotton (ed.): "Case Studies of the Management of Elasmobranch Fisheries". *FAO Fish. Tech. Paper* No. 378/2. FAO, Rome.
- Bonfil, R. 1999. Marine Protected Areas as a Shark Fisheries Management Tool. pp. 217-230. in: Seret. B. and J.-Y. Sire. eds. *Proceedings of the 5th Indo-Pacific Fish Conference. Noumea, 1997*. Paris: Soc. Fr. Ichtyol., 1999: 888 pp.
- Walters, C. J. and R. Bonfil. 1999. Multispecies spatial assessment models for the BC groundfish trawl fishery. *Can. J. Fish. Aquatic Sci.* 56(4): 601-628
- Bonfil, R. 1998. Elasmobranch bycatch monitoring. pp. 85-87, in: N.A. Gribble, G. McPherson, and B. Lane (eds.). "*Shark management and conservation*". *Proceedings from the Sharks and Man workshop of the Second World Fisheries Congress, Brisbane, Australia, 2 August 1996*. Department of Primary Industries, Queensland.
- Bonfil, R., G. Munro, U. R. Sumaila, H. Valtysson, M. Wright, T. J. Pitcher, D. Preikshot, N. Haggan, and D. Pauly. 1998. Impacts of Distant Water Fleets. An Ecological, Economic, and Social Assessment. pp. 9-111. in: "*The Footprint of Distant Water Fleets on World Fisheries*". Endangered Seas Campaign. *WWF International*. Godalming. 172 pp.
- Bonfil, R. 1997. Status of Shark Resources in the Southern Gulf of México and Caribbean: implications for Management. *Fisheries Research* 29(2):101-117
- Bonfil, R., and M. W. Saunders. 1997. British Columbian spiny dogfish stocks are doing fine. *Shark News* 9: 13
- Bonfil, R. 1997. Estado del conocimiento de los Recursos de Tiburones del Golfo de México y Caribe. in: Flores, D., P. Sanchez-Gil, J.C. Seijo, and F. Arreguin-Sanchez. "Recursos Críticos del Golfo de México". *EPOMEX, Serie Científica*, Vol. 4. (in Spanish w/English abst.).
- Bonfil, R., 1995. Monte Carlo Testing of Fisheries Models for Sharks. in: Graduate Student Symposium on Fisheries Population Dynamics and Management. *Fisheries Centre Research Reports*, 3(2): 11
- Bonfil, R., A. Bundy, and T. J. Pitcher. 1995. Perspectives on the Management of High Seas Fisheries: The UN Conference on Straddling Fish Stocks and Highly Migratory Fish Stocks : IV A Fisheries Scientists' Point of view. *Reviews in Fish Biology and Fisheries* 5(1): 117-119
- Bonfil, R. 1995. Is the ragged-tooth shark, *Odontaspis ferox* (Risso, 1810), cosmopolitan?: first record from the western North Atlantic. *J. Fish Biol.* 47 (2): 341-344
- Bonfil, R. 1995. World Bycatches of Sharks in High-Seas Fisheries: Appraising the Waste of a Resource. in: Bycatches in Fisheries and their Impact on the Ecosystem. *Fisheries Centre Research Reports*, 2(1): 41-44
- Bonfil, R. 1994. Overview of World Elasmobranch Fisheries. *FAO Fish. Tech. Pap.* 341. Rome, FAO. 119p. [Translated to Japanese and published in 1998 in the *Japan Marine Fishery Resources Research Center, Technical Report 34. 158 p.*]
- Bonfil, R., R. Mena, and D. de Anda. 1993. Biological Parameters of Commercially Exploited Silky Sharks, *Carcharhinus falciformis*, from the Campeche Bank, México. *NOAA Tech. Rep. NMFS* 115:73-86
- Bonfil, R., A. Carvacho, and E. Campos. 1992. The Crabs of Todos Santos Bay, Baja California. Part II Grapsidae, Pinnotheridae and Ocypodidae (Crustacea: Decapoda: Brachyura). *Cien. Mar.* 18(3): 37-56
- Bonfil, R., D. de Anda and R. Mena. 1990. Shark fisheries in México: the case of Yucatán as an example. *NOAA Tech. Rep. NMFS* 90: 427-442
- Bonfil, R. 1989. An abnormal embryo of the reef shark *Carcharhinus perezii* from Yucatán, México. *Northeast Gulf Science* 10 (2):153-155
- Bonfil, R. and A. Carvacho. 1989. The Crabs of Todos Santos Bay, Baja California. Part I. Dromiidae, Leucosiidae, Majidae, and Parthenopidae (Crustacea: Decapoda: Brachyura). *Cien. Mar.* 15(2):79-109
- Carvacho, A. and R. Bonfil. 1989. El genero *Cancer* L. en el Pacífico mexicano. *Revista de Biología Tropical* (Costa Rica), 37(1):37-48 (in Spanish).

Bonfil, R., R. Mena, and D. de Anda. 1988. El Recurso Tiburón-cazón en el sureste de México. in: "**Los Recursos Pesqueros del País**". Secretaría de Pesca, México D.F., México. pp: 421-439 (in Spanish).

Edited Work

Musick, J. and Bonfil, R. (Eds.).(2005). **Management Techniques for Elasmobranch Fisheries**. **FAO Fisheries Technical Paper**. No. 474. Rome, FAO. 2005. 251p.

Compagno, L.J.V.C. 2001. Sharks of the World. An annotated and illustrated catalogue of shark species known to date. Vol. 2. Bullhead, mackerel and carpet sharks (Heterodontiformes, Lamniformes and Orectolobiformes),. (R. Bonfil, Scientific and Technical Editor). **FAO Species Catalogue for Fishery Purposes** No. 1. Vol. 2. FAO, Rome. 269 pp.

Castro-Hernández, J. J., and A. T. Santana-Ortega. 2000. Synopsis of biological data on the chub mackerel (*Scomber japonicus* Houttuyn, 1782). (R. Bonfil, Technical Editor). **FAO Fisheries Synopsis** No. 157. FAO, Rome. 77 pp.

Publications in preparation

Bonfil, R., Francis, M., Duffy, C., Manning, M., O'Brien, S. Large-scale tropical migrations, temperature and diving behavior of great white sharks (*Carcharodon carcharias*) from New Zealand. Under review in Marine Ecology Progress Series.

Bonfil, R., and C. J. Walters. Evaluating stock assessment models for shark fisheries through Monte Carlo analysis. For submission to *Can. J. Fish. Aquatic Sci.*

Bonfil, R., and T.J. Pitcher. Density-dependent fecundity in elasmobranchs and its implications in fisheries management: an age-structured simulation model. For submission to *Fishery Bulletin*.

Bonfil, R. Assessment of the multi-species shark fishery of Yucatán, México, using non-equilibrium surplus production models. For submission to *Trans. Amer. Fish. Soc.*

Features in Newspaper and Magazine Articles, TV, Radio and other Media

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- 60 Minutes (New Zealand), 2005: "Great White Hope". Segment focusing on the first deployment of satellite tags on great white sharks in New Zealand initiated by WCS, NIWA and DoC.
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- Interview for *FOX National TV News*, noon edition, September 29, 2004 regarding the great white shark trapped in Cape Cod during two weeks in late September 2004.
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- Interview on "Fishin' Zone" with Stephen Sloan, *Sirius Radio Network*. June 9, 2004.
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- Dreifus, C. 2003. "A Conversation with: Ramón Bonfil. A Marine Biologist Won Over by the Charisma of Sharks." Page F2, *Science Times*. *The New York Times*. February 11, 2003.

Dissertations

- Bonfil, R. 1996. Elasmobranch fisheries: status, assessment and management. *Doctoral Dissertation*. University of British Columbia. Vancouver, Canada. (1996). 301 pp.
- Bonfil, R. 1990. Contribution to the Fisheries Biology of the Silky Shark *Carcharhinus falciformis* (Bibron 1839) from Yucatán, México. *MSc Dissertation*. University College of North Wales, Bangor, UK. 77 pp.
- Bonfil, R. 1983. Los Cangrejos braquiuros de Bahía Todos Santos, B. C., México: Sistemática, distribución, y notas ecológicas. *Tesis de Bachillerato*. Universidad Autónoma de Baja California, Ensenada, México. 227 pp.

Technical Reports

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- Bonfil, R. 2003. Consultancy on elasmobranch identification and stock assessment in the Red Sea and Gulf of Aden. Final Report presented to the Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden, Jeddah. July 2003. 195 pp.
- ICES. 2003. Report of the Working Group on Elasmobranch Fishes. (Collective work of a team of 13 participants).
- ICES. 2002. Report of the Study Group on Elasmobranch Fishes. CM 2002/G:08. 119 pp. (Collective work of a team of 15 participants).
- Bonfil, R. 2002. Training Course in Stock Assessment of Shark and Ray Fishery Resources. Report to PERSGA on a Course held at the Sub-Regional Research and Training Centre, Aden, from 27th April – 2nd May, 2002. December 2002. 66 pp.
- Bonfil, R. 2001b. Consultancy on elasmobranch identification and stock assessment in the Red Sea and Gulf of Aden. Second Trip Report presented to the Regional Organization for the Conservation of the Environment of the Red Sea and Gulf Of Aden, Jeddah. Fisheries Centre, University of British Columbia. Vancouver. June 2001. 51 pp.
- Bonfil, R. 2001a. Consultancy on elasmobranch identification and stock assessment in the Red Sea and Gulf of Aden. First Trip Report presented to the Regional Organization for the Conservation of the Environment of the Red Sea and Gulf Of Aden, Jeddah. Fisheries Centre, University of British Columbia. Vancouver. February 2001. 23 pp.
- Bonfil, R., Munro, G. Sumaila, U. R., Valtysson, H., Wright, M., Pitcher, T. J., Preikshot, D., Haggan, N., and Pauly, D. 1998. Impacts of Distant Water Fleets. An Ecological, Economic and Social Assessment. Fisheries Centre Final Project Report to WWF. 100 pp.
- Bonfil, R. 1997. B.C. Groundfish Research Project. Final Report. Fisheries Centre, University of British Columbia. December 1997
- ICES Report on the Study Group for Elasmobranch Fishes. ICES Headquarters, Copenhagen, Denmark. Aug 15-18 1995. 88pp. (with M.H. DuBuit, S. Myklevoll, H. Nakano, M.G. Pawson, H.M. Silva, M. Stehmann, Y. Uozumi, and P. Walker)
- Bonfil, R., and T.J. Pitcher. 1991. Analysis of Adriatic Pelagic Fish Stocks. Length Frequency Plots for Anchovy 1974-1990. Renewable Resources Assessment Group (RRAG), Imperial College, London, U.K./Institute di Recherche sulla Pesca Marittima (IREPEM), Ancona, Italy.
- Bonfil, R., and T.J. Pitcher. 1991. Analysis of Adriatic Pelagic Fish Stocks. Length Frequency Plots for Sardine 1974-1990. Renewable Resources Assessment Group (RRAG), Imperial College, London, U.K./Institute di Recherche sulla Pesca Marittima (IREPEM), Ancona, Italy.
- Bonfil, R. 1991. Technical opinion for the viability of a new Fishing Cooperative for Shark Exploitation in Yucatán. Regional Centre of Fisheries Research of Yucalpetén, National Fisheries Institute, México. (in Spanish).
- Bonfil, R. 1989. Management measures for the shark fisheries of Yucatan. Regional Centre of Fisheries Research of Yucalpetén, National Fisheries Institute, México. (in Spanish).
- Bonfil, R. 1988. Summary Proceedings of the Second Meeting of the Gulf of Mexico Technical Consultative Committee for the Shark Research Programme. National Institute of Fisheries,

Mexico. (in Spanish).
Bonfil, R. 1987. Composición por especies de la pesquería de tiburón y cazón de Yucatán y relaciones morfométricas para las especies más importantes. Instituto Nacional de la Pesca, Centro Regional de Investigación Pesquera de Yucalpetén. Contribuciones de Investigación Pesquera, Doc. Tec. 1: 1-10. (in Spanish)

Scientific or Policy Meetings and Various Lectures, By Invitation

- Post-film-screening discussion in the spring 2009 season of National Geographic Live! during premier of “Great White Odyssey”, National Geographic Society Headquarters, Washington DC, March 11, 2009.
- 4th International Fishers Forum. Puntarenas, Costa Rica, Nov 12-15 2007. Conference presented “Global Shark Resources as Related to Target and Incidental Fisheries”.
- II Latinamerican Congress of National Parks and other Protected Areas. Bariloche, Argentina, 30 Sep-6 Oct, 2007. Presentation “Conectividad de poblaciones de tiburones altamente migratorios y su relación con el diseño de sistemas de Áreas Marinas Protegidas”.
- Meeting convened by CMS on “Migratory Species: Working together towards a vision for 2020”, Smithsonian Institution, Washington DC. May 16, 2007. Conference presented “Monitoring Shark Migrations with electronic devices”.
- Keynote Address “Estudios de comportamiento y migración en el tiburón blanco (*Carcharodon carcharias*) a través de marcaje satelital”. II Symposium on Sharks and Rays, UNAM, Mexico City, August 24, 2006.
- Guest Lecture “Great white sharks, satellites and marine conservation”. Torrey Pines High School, San Diego, CA. June 8, 2006.
- Meeting of the Advisory Panel for the Highly Migratory and Billfish Fisheries, NMFS/NOAA. Silver Spring, MD, Mar 21-23, 2005.
- Meeting of the Advisory Panel for the Highly Migratory and Billfish Fisheries, NMFS/NOAA. Silver Spring, MD, Feb 9-11, 2004.
- Workshop on Ecosystem-Based Fisheries Management, WCS, New York, NY, Oct 29-31, 2003.
- Meeting of the Advisory Panel for the Highly Migratory and Billfish Fisheries, NMFS/NOAA. Silver Spring, MD, Feb 10-12, 2003.
- International Shark Conference 2002, organized by WildAid, Taipei, Taiwan, May 13-16, 2002. Presentation: “Implementation of FAO’s International Plan of Action for the Conservation and Management of Sharks”.
- Meeting of the Advisory Panel for the Highly Migratory and Billfish Fisheries, NMFS/NOAA. Silver Spring, MD, April, 1-3 2002.
- Ecologically Functioning Populations Workshop, White Oak Plantation, FL, Nov 1-5, 2001. Presentation: “WCS and Glover’s Reef Atoll, Belize”.
- 4th European Elasmobranch Association Meeting. Livorno, Italy, 27-30 September, 2000.
- Shark Conference 2000. Honolulu, Hawaii, Feb 21-24, 2000. Presentation: “The problem of incidental catches of sharks and rays, its likely consequences, and some possible solutions”.
- International Pelagic Shark Workshop, February 14 - 17, 2000. Pacific Grove, California, USA. Invited as Chairman for the session on “Trends in Abundance of Pelagic Sharks and History of their Fisheries”. Also giving a Presentation (coauthored with H. Nakano): “Distribution and relative abundance of oceanic whitetip sharks, *Carcharhinus longimanus*, in the Pacific Ocean”.
- COPEMED-FAO Meeting on Mediterranean *Popdyn* Analysis. Palermo, Italy. 19-22 October of 1998. (Working session, not a conference format).
- FAO Technical Working Group on the Conservation and Management of Sharks. Tokyo, Japan, 23-27 April 1998. Ministry of Agriculture, Forestry and Fisheries. 1-2-1 Kasumigaseki. Chiyoda-Ku. (Working session, not a conference format).

- Eastern Pacific Ocean Regional Strategy Development Workshop for the Conservation and Management of Sharks. Monterey Aquarium. Monterey, Ca., 8-9 Dec. 1997. (Working session, not a conference format).
- Shark Indo-Pacific Regional Meeting. Noumea, New Caledonia, Nov 9-10 1997. (Working session, not a conference format).
- IUCN Shark Specialist Group Meeting. Noumea, New Caledonia, Nov 8 1997. (Working session, not a conference format).
- 'International Seminar and Workshop on Shark and Ray Biodiversity, Conservation and Management', Kota Kinabalu, Sabah, Malaysia. 7-10 July 1997. Presentation: "Overview of World and Regional Elasmobranch Fisheries".
- 'Sharks and Man: Management and Conservation Workshop', 2nd World Fisheries Congress, Brisbane, Queensland, Australia. 3 August 1996. Presentations: "Patterns and Trends in World Shark Fisheries", and "Elasmobranch Bycatch Monitoring".
- Workshop on 'Biology and fisheries of the shark genera *Galeorhinus* and *Rhizoprionodon*'. Victorian Fisheries Research Institute. Queenscliff, Victoria, Australia. 19-23 July 1996. Presentations: "World distribution patterns of *Galeorhinus*", and "Problems for fitting fishery models to data".
- VII Meeting of the Working Group for Fisheries and Research on Sharks and Rays of Brazil. Fundação Universidade de Rio Grande. Rio Grande do Sul, Brazil. 20-24 November 1995. Keynote Address "Elasmobranchs as Fishery Resources in Today's World".
- Population Dynamics, Fisheries, and Conservation of Elasmobranchs Workshop. VII Meeting of the Working Group for Fisheries and Research on Sharks and Rays of Brazil. Fundação Universidade de Rio Grande. Rio Grande do Sul, Brazil. 20-24 November 1995. (Working session, not a conference format).
- New Perspectives for the Industrial Utilization of Sharks and Rays Workshop. VII Meeting of the Working Group for Fisheries and Research on Sharks and Rays of Brazil. Fundação Universidade de Rio Grande. Rio Grande do Sul, Brazil. 20-24 November 1995. (Working session, not a conference format).
- Shark Age, Growth and Demographics Workshop. Center for Shark Research, Mote Marine Laboratory. Sarasota, USA. Sep. 1-2, 1995. (working sessions, not a conference format).
- American Fisheries Society 125th Annual Meeting. Tampa, Fl. Aug. 27-31, 1995. Presentation: "Shark Resources and Fishery Models in the Southern Gulf of Mexico".
- International Forum on Conservation and Management of Shark Populations in the Gulf of Mexico and Caribbean Region. Center for Shark Research, Mote Marine Laboratory. Sarasota, USA. April 1993. Presentation: "Simulation models for the study and management of sharks in the Campeche Bank".

Other International Meetings and Various Presentations

- 1st Meeting of the Oceania Chondrichthyan Society, October 2007, Queenscliff, Victoria, Australia. Presentation (coauthored by Francis, M.; Duffy, C.; Bonfil, R.; Manning, M.; O'Brien, S.; Scollay, K): "Large-scale tropical migrations, temperature preferences and diving behaviour of great white sharks (*Carcharodon carcharias*)".
- 22nd Annual Meeting of the American Elasmobranch Society. New Orleans, USA, July 12-17, 2006. Presentation: "Large-scale spatial dynamics of white sharks (*Carcharodon carcharias*) in the South Pacific Ocean using satellite tags: A case of foraging migrations?".
- 9th Meeting of the European Elasmobranch Association, Monaco, 23-26 November, 2005. Presentation: "Satellite-tagging great white sharks (*Carcharodon carcharias*) beyond South Africa: preliminary results from the Chatham Islands expedition (New Zealand)".
- 8th Meeting of the European Elasmobranch Association, Zoological Society of London. 21-24 October, 2004. Presentation: "Spatial dynamics of great white sharks in South Africa".

13th Meeting of the Conference of the Parties of CITES, Bangkok, Thailand, October 2-14, 2004.

ICCAT Shark Stock Assessment Meeting, Tokyo, Japan. June 14-18, 2004.

20th Meeting of the Animals Committee of CITES, Johannesburg, South Africa, March 29-April 2, 2004.

7th Meeting of the European Elasmobranch Association, San Marino Republic. 26-28 September, 2003.
Presentation: "Saving great white sharks: innovative research that impacts conservation".

ICES Working Group on Elasmobranch Fishes Meeting. Vigo, Spain. April 28-May 2, 2003.

NAFO Scientific Council Symposium "Elasmobranch Fisheries: Managing for sustainable use and biodiversity conservation". Santiago de Compostela, Spain. Sep 11-13, 2002. Presentation (poster): "Drawing blood from a stone?: Stock assessment of the multispecies shark fishery of Yucatan, Mexico".

6th Meeting of the European Elasmobranch Association. Cardiff, Wales. Sep 6-8, 2002. Presentation: "Great White Shark Satellite Tag Deployment in South Africa".

ICES Study Group on Elasmobranch Fishes Meeting for stock assessment (DELASS Project). Copenhagen, Denmark. May 6-10 2002.

ICES North Atlantic Blue Shark Discussion Meeting. Dublin, Ireland. January 24-25 2002

ICCAT Data preparatory meeting for Atlantic sharks stock assessment. Halifax, NS, Canada. Sep 11-14, 2001

IFAW (International Fund for Animal Welfare) African Shark Conservation and Management Workshop. 29-31 May, 2001. Cape Town, South Africa. Presentation: "Ecosystem effects of shark removal"

FAO, Fisheries Department Seminar. "The role of sharks as top predators in marine ecosystems: an exercise in ecosystem modelling using EcoSim". 23 October 2000. FAO Headquarters, Rome, Italy.

6th Indo-Pacific Fish Conference. 20-25 May, 2001. Durban, South Africa. Poster presented: "Biodiversity and conservation of sharks and rays in the Red Sea and Gulf of Aden".

ICES/SCOR Meeting on Ecosystem Effects of Fishing. Montpellier, France. 15-19 March 1999. Presentation (by J.D. Stevens, R. Bonfil, N. Dulvy, and P. Walker; presented by first author): "The effects of fishing on chondrichthyans, and the implications for marine ecosystems".

FAO Consultation on the management of fishing capacity, shark fisheries, and incidental catch of seabirds in longline fisheries. Rome, Italy, Oct 26-30, 1998. (As part of the Mexican Delegation).

5th Indo-Pacific Fish Conference. Noumea, New Caledonia. Nov 2-8, 1997. Presentation: "Marine Protected Areas as a Shark Fisheries Management Tool".

Fisheries Centre, UBC, Vancouver, B.C. Canada. Apr 23, 1997. Workshop on "Spatial Analysis of Groundfish Abundance".

Fisheries Centre, UBC, Vancouver, B.C. Canada. Feb 19-21, 1997. Workshop on "The Design and Monitoring of Marine Reserves". Presentation: "Are No-take MPA's an Alternative for Shark Fisheries Management?".

CSIRO, Cleveland Laboratories, Queensland, Australia, August 14, 1996. Guest Seminar "Monte Carlo Analysis of Stock Assessment Models for Sharks".

American Elasmobranch Society, 12th Meeting. New Orleans, LA, June 1996. Presentation: "Can simple fishery models be used for elasmobranch stock assessment?: a Monte Carlo simulation approach".

Aquarium for Conservation Biology, Wildlife Conservation Society. New York City, March 1996. Invited Conference: "Can fisheries for sharks and conservation coexist?".

ICES Meeting of the Study Group for Elasmobranch Fishes. ICES Headquarters, Copenhagen, Denmark. Aug 1995. (working sessions, not a conference format).

1st Graduate Student Symposium on Fisheries Population Dynamics and Management. UBC Fisheries Centre. April 1995. Presentation "Monte Carlo Testing of Fisheries Models for Sharks".

International Workshop on Bycatches in Fisheries and their Impacts on the Ecosystems. UBC Fisheries Centre. Vancouver, Canada. October 1994. Presentation: "World Bycatches of Sharks in High-Seas Fisheries: appraising the waste of a resource".

Global Trends in Fisheries Management Symposium. University of Washington, School of Fisheries. Seattle USA. June 1994. Poster: "Global Trends and Status of Elasmobranch Fisheries".

Conservation Biology of Elasmobranchs Symposium, Seventh Annual Meeting of the American

- Elasmobranch Society. New York City, USA. June 1991. Presentation: "Age, growth and reproduction of the silky shark *Carcharhinus falciformis*, in the Campeche Bank, Mexico".
- Second United States-Japan Workshop on Elasmobranchs as living resources. Honolulu, Hawaii. December 1987. Presentation: "Shark fisheries in México: the case of Yucatán as an example".
- American Elasmobranch Society, Third Annual Meeting. Albany, NY, June 1987. Presentation: "The Shark fishery of Yucatán, México: an introduction and preliminary results".
- Second Marine Sciences Congress, La Habana, Cuba. June 1987. Presentation: "Basic data on the shark and dogfish fisheries of Yucatán, México". (in Spanish).
- Conference cycle "The Fishery Resources of the Country", XXV Anniversary of the National Fisheries Institute. México City, Mexico. May 1987. Presentation: "Shark and dogfish resources in southeast México" (in Spanish).
- Fourth National Congress, of Zoology. Ensenada, México. December 1980. Presentation: "Decapod crustaceans of Todos Santos Bay, BC, México" (in Spanish) With R. Olson.
- Third National Congress of Zoology. Aguascalientes, México. December 1979. Presentation: "Ecology and population dynamics of the mesolittoral brachyurans in Percebú Lagoon, Baja California Norte" (in Spanish). With M. Monteforte and A. Carvacho.

Research Cruises

As Chief Scientist:

- White shark satellite tagging expedition to Guadalupe Island, Mexico, on board "Francisco de Ulloa", CICESE, NGS, NABU, October 11-19 2006.
- White shark satellite tagging expedition to Chatham Islands, NZ, on board fishing vessel "Tessa B", WCS, NIWA, DoC. April 2005.
- Shark tagging and exploratory fishing in the Campeche Bank. FRV/"BIP X". National Fisheries Institute, México. November 28-December 6, 1986.
- Shark exploratory fishing in the Campeche Bank, FRV/"BIP III". National Fisheries Institute, México. September 10-17, 1985

As member of scientific party:

- White shark satellite tagging expedition to Stewart Island, NZ, on board R/V "Southern Winds", NIWA, DoC, Shark-Tracker/NABU. March 2007.
- White shark satellite tagging expedition to Chatham Islands, NZ, on board fishing vessel "Tessa B", NIWA, NGS, DoC. March 2006.
- White shark satellite tagging expedition to Western Cape Province, South Africa, on board R/V "Sardinops", MCM, WCS. May 2004.
- White shark satellite tagging expedition to Western Cape Province, South Africa, on board R/V "Sardinops", MCM, WCS. Nov 2003.
- White shark satellite tagging expedition to Western Cape Province, South Africa, on board R/V "Algoa", MCM, WCS. May 2003.
- White shark satellite tagging expedition to Western Cape Province, South Africa, on board R/V "Lamnidae", MCM, WCS. April 2003.
- White shark satellite tagging expedition to Western Cape Province, South Africa, on board R/V "Lamnidae", MCM, WCS. August 2002.
- Shark survey of the East Coast of the USA. FRV/"Delaware II" NOAA/NMFS Narragansett Lab. May 15-June 1, 1989.
- Tuna and billfish exploratory fishing in the Mexican Caribbean, R/V "Justo Sierra", UNAM-INP (National Autonomous University of México-National Fisheries Institute). March 17-31, 1988.
- Telemetry of sharks, and exploratory fishing in the West Bahamas Bank. UNOLFS/NFS- ORV/

"Columbus Iselin". Rosenstiel School of Marine and Atmospheric Sciences. University of Miami. October 10-18, 1987.

- Oceanographic survey of the Campeche Bank. ORV/"Justo Sierra". CINVESTAV (Center for advanced studies and research) México. May 18-April 4, 1986.
- Shark exploratory fishing in the Campeche Bank, FRV/ "BIP III" National Fisheries Institute, México. March 20-28 1985.

Other Activities

- Alumni of Green College, UBC, since 1998.
- Member of the American Elasmobranch Society since 1987. Member of the AES Conservation Committee (by invitation) since its onset in 1990.
- Member of the Shark Specialist Group of the SSC/IUCN since its onset in 1992 (by invitation).
- Founding Member of the Sociedade Brasileira Para Estudo de Elasmobrânquios.

Personal Profile

An honest, tenacious, amiable, and very straightforward person, with a strong belief in team work. Interested in most aquatic and team sports, travel, history, foreign cultures, cinema, music, literature and photography.