

Dr. ALEJANDRO YÁÑEZ-ARANCIBIA
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Vita :

Since 1998 Senior Scientist, Full Professor, and Head of the Coastal Ecosystems Unit, Institute of Ecology A. C. in Mexico. Since 1975 research and teaching experiences in Mexico, Brazil, Costa Rica, Chile, Ecuador, Puerto Rico, Guatemala, and the United States. Former Director of EPOMEX, the Gulf of Mexico Program in Mexico (1990-1997). Broad experience as a consultant in marine science and coastal management. Member of the Mexican Academy of Sciences, the Estuarine Research Federation USA, the Estuarine and Coastal Science Association UK, and the Commission on Ecosystem Management of IUCN Gland Switzerland. In 1990 got the NAGA Award for the best scientific paper or book by a developing-country author from The International Center for Living Aquatic Resources Management (ICLARM). Since 1983 Adjunct Faculty with the Department of Oceanography and Coastal Sciences, School of the Coast & Environment, Louisiana State University. From 2006 Adjunct Faculty with the Department of Physical and Life Sciences, College of Science and Technology, Texas A&M University-Corpus Christi. In 1992 Distinguished Honored Professor in Marine Sciences with the Belle W. Baruch Institute for Marine Biology and Coastal Research, University of South Carolina. Since 1997 Associate Editor of *Ocean & Coastal Management* ISSN 0964-5691 Elsevier. Published 15 books, and over 200 papers in worldwide journals and books chapters. Among his published books, *Fish Community Ecology in Estuaries & Coastal Lagoons; Towards an Ecosystem Integration* 1985, UNAM Press Mexico; *Recruitment Processes in Tropical Coastal Demersal Communities* 1986 (with Daniel Pauly), IOC-UNESCO Paris; *Estuarine Ecology* 1989 (with J.W. Day, C. A. S. Hall, W.M. Kemp), John Wiley & Sons Inc. New York; *Mangrove Ecosystem in Tropical America* 1999, (with A.L. Lara-Dominguez), INECOL, IUCN, NOAA; *The Gulf of Mexico: Ecosystem-Based Management 2006* (with J.W. Day), Texas A&M University Press. B.Sc in Marine Biology, University of Concepcion Chile (71), M.Sc in Marine Ecology, Faculty of Sciences UNAM Mexico (74), Ph.D in Marine Sciences, Institute of Marine Sciences and Limnology UNAM Mexico (77), and Postdoctorate in Estuarine Ecology and Coastal Management, Center for Wetland Resources, Louisiana State University USA (82).

EDUCATION

- Ph.D., 1977. National University of Mexico UNAM, in Marine Sciences
- Post doc, 1982. Louisiana State University USA, in Estuarine Ecology & Coastal Management
- M.Sc., 1974. National University of Mexico UNAM, in Marine Ecology
- B.Sc., 1971. University of Concepcion Chile, in Marine Biology

EMPLOYMENT

- 2004-2006; Senior Scientist & Professor, Department of Oceanography & Coastal Sciences, Coastal Ecology Institute, School of the Coast & Environment, Louisiana State University, USA
- 2003-Present; Professor of Coastal Management in the University Anahuax of Xalapa, Mexico.
- 1998-Present; Senior Scientist & Professor, Institute of Ecology A. C., Coastal Ecosystems Unit; Professor of Ecology of Tropical Coastal Ecosystems, and Integrated Coastal Zone Management courses.
- 1990-1998; Senior Scientist, University of Campeche, Former Scientific Director of EPOMEX the Gulf of Mexico Program, and Professor of Ecology and Management of Tropical Estuaries.
- 1983-1985; Professor of Aquatic Ecology in the Division of Biological Sciences, UAM-I Mexico.
- 1975-1995 ; Research Scientist & Professor in the Marine Science Program, Institute of Marine Sciences and Limnology, UNAM Mexico.
- 1968-1972 ; Assistant Research Department of Oceanography & Marine Biology, University of Concepcion Chile.

RESEARCH INTEREST AND EXPERTISE

Ecosystem-based management in the Gulf of Mexico. Integrated coastal zone management. Ecosystem approach as a management tool. Climatic change and vulnerability of the coastal zone. Ecology of coastal lagoons, estuaries and coastal waters. Ecology of mangrove and seagrass ecosystems. Ecology of estuarine nekton communities. Estuarine Ecology.

RESEARCH AND TEACHING EXPERIENCES

Mexico : Extensive research and teaching on coastal management; estuarine nekton and coastal lagoons ecology; from 1973 to 1976 in the Pacific coast; from 1976-present in the Gulf of Mexico and the Caribbean coast.

Brazil : Visiting scientist and Professor, ecology of coastal lagoons, ecology of estuarine nekton, ecology and management of tropical coasts; University of Sao Paulo (1978, 1986, 1987, 1988); Federal University of Pernambuco (1982); Federal University of Rio Grande do Sul (1982, 1983); Federal University of Maceio (1984, 1990); Companhia de Tecnologia e Saneamento Ambiental Sao Paulo (1988, 1989, 1990).

Costa Rica : Visiting scientist and Professor, ecology of coastal lagoons, advances in estuarine ecology; University of Costa Rica (1977, 1978); National University of Costa Rica Heredia (1990); CATIE Turrialba (1991).

USA : Visiting scientist and Professor, ecology of tropical lagoon-estuarine systems, estuarine nekton dynamics; Louisiana State University, Coastal Ecology Institute (1979-present). Visiting scientist CEES University of Maryland (1985-1993). Visiting scientist Belle W. Baruch Institute University of South Carolina (1992). Professor Department of Oceanography & Coastal Sciences, School of the Coast & Environment, LSU, NOAA Sea Grant Program (2004-2005). Adjunct Faculty Department of Physical & Life sciences, College of Science & Technology, Texas A&M University-Corpus Christi (2006 -).

Tropical Latin American Countries : International Mangroves Project, Organization of the American States, OEA Washington (1977-1988), in **Colombia, Brazil, Costa Rica, Rep. Dominicana.**- Coastal Resources Management Project University of Rhode Island (1987, 1991), in **Puerto Rico**, and **Ecuador.**- UNEP/CEP and IUCN/ORMA Impact Assessment in Mangrove Ecosystems (1993, 1995, 2000), in **Guatemala.**

Chile : Assistant research in marine biology ; University of Concepcion, benthic ecology of enclosed bays, fjord types estuaries, including the Antarctic (1968-1972).

OTHER PROFESSIONAL EXPERIENCES

Consultant to Marine Sciences : International Maritime Organization IMO/UN (1984).- Organization of the American States OEA (1978, 1984, 1989, 1996) Costa Rica, Colombia, Brazil, Mexico.- University of Rhode Island CRMP (1987, 1991) Puerto Rico, Ecuador.- Coastal Zone Management UNEP-CEP United Nations (1993, 1994, 1995) Guatemala, Venezuela, St. Lucie, Honduras, Jamaica.- IUCN/ORMA (2000, 2001) Guatemala, Costa Rica.- Global International Water Assessment GIWA UNEP/GEF Sub-region 2 Gulf of Mexico (2002-2005).

Editorial Board Member : Estuaries ERF 1987-1990 & 1990-1993; Investigaciones Marinas CICIMAR 1984-1990; Rev. Soc. Mex. Hist. Nat. 1987-present; Joint Oceanographic Assembly SCOR UNESCO 1988; Anales Inst. Cienc. del Mar y Limnol. UNAM 1974-1987; Hidrobiologia UAM 1990; Jaina & Scientific Series EPOMEX 1990-1997; Environmental Science Review G&B Amsterdam 1995; Mangrove and Salt Marshes SPB Publ. Amsterdam; Review Fish Biology & Fisheries Chapman & Hall 1995-1999; The Gulf of Mexico Large Marine Ecosystem Blackwell Science 1995-1999;

Wetlands Ecology & Management, Kluwer/Springer 1996-present; Ocean & Coastal Management Elsevier 1996-present. Texas A & M University Press, HRI book Series on the Gulf of Mexico 2005-2007.

Steering Committee and Group of Experts : Panel of Coastal Lagoons IABO UNESCO 1978-1983. Programme on Ocean Sciences and Living Resources IOC/FAO 1983-1992 ; Chairman Tropical Demersal Recruitment Project IOCARIBE-IOC/FAO 1987-1992. Estuarine Research Federation ERF USA Chairman Spec. Symposia USA 1985, 1987, 1989, 1991, 1995, England 1992. Recruitment Processes in Tropical Fisheries Resources IOC FAO CSIRO 1988 Australia. Fish Ecology and Ecosystem Management ICLARM Philippines 1988. Commission on Ecology IUCN Switzerland 1991-present. Planning and Management of Tropical Coastal Lowland Wetlands IUCN 1991 Thailand. International Wetlands Conference Chairman Spec. Symposium INTECOL IV USA 1992. Task Team on Mangroves and Global Climatic Change and Sea Level Rise Impacts UNEP UNESCO 1992-present. Research Evaluation Committee CONACYT Mexico 1992-present. Environmental Management of Enclosed Seas EMECS'93 USA. Ecosystem Function of Marine Biodiversity in Estuaries, Lagoons and Nearshore Coastal Ecosystems IUBS SCOP UNESCO Guadalupe France 1993. The Gulf of Mexico Symposium 1990, 1992, 1995 USA. Gulf of Mexico Large Marine Ecosystem 1995 USA. Thematic Conference Remote Sensing for Marine and Coastal Environments 1995, 1997 USA. INTECOL'S V 1996 Australia. Working Group 105 UNESCO/SCOR 1997. Commission on Ecosystem Management IUCN Switzerland 1993-present, Costa Rica IUCN/ORMA. Working Group Coastal Zone Management IOCARIBE-UNESCO 1998-present Colombia, Mexico. Panel ICZM-Golfo/Caribe 2001-present , México SEMARNAT. WW2BW Gulf of Mexico & Caribbean ECLAC/UNEP, USA, Mexican Team 2004-present. IOC/UNESCO Capacity Building Group of Experts, Paris 2005. GEO-4 Working Group of Experts on Coastal, Marine and Wetlands Resources UNEP/DEWA, Nairobi, Kenya. The State of the Gulf of Mexico Summit 2006, Panel on Coastal Bio-economics, Corpus Christi, Texas.

HONORED

- 1983. Member of the Mexican Academy of Sciences (AMC).
- 1984-1998. Member of the National Researchers System Mexico (SNI) at top level 3.
- 1990. The NAGA AWARD for the best scientific paper or book by a developing-country author, from The International Center for Living Aquatic Resources Management ICLARM, Manila Philippines (now The WorldFish Center in Penang Malaysia).
- 1992. Distinguish Honored Professor in Marine Studies by the Belle W. Baruch Institute for Marine Biology and Coastal Research, University of South Carolina USA.
- 1982-Present. Adjunct Faculty Department of Oceanography and Coastal Science, Louisiana State University USA. Professor and Member of PhD dissertation committee.
- 1997-Present. Member of the Commission for Environmental Cooperation CEC. Mexico/Canada/USA, NAFTA. North America Agreement on Environmental Coop.
- 1998-Present. Head Coastal Ecosystems Unit, Institute of Ecology A. C., Mexico.

- 1998. The book “The Gulf of Tehuantepec: The Ecosystem and its Resources” was dedicated to Dr. A. Yáñez-Arancibia by the Universidad A. Metropolitana Iztapalapa, Mexico, and The Simon Fraser University, British Columbia, Canada. Edited by M. Tapia-García.
- 1999-2002. Member of the Advisory Council (Consejo Académico) of INECOL, A.C.
- 2005. Former member of the Mexican Scientific Academy of Ecology, A. C.
- 2006. Adjunct Faculty Department of Physical and Life Sciences, Texas A & M University-CC, USA. Professor and Member of PhD dissertation committee.

PUBLICATIONS

A. BOOKS (Published 15 books). *Some examples :*

Yáñez-Arancibia, A. (ed.) 1985. *Fish Community Ecology in Estuaries and Coastal Lagoons : Towards an Ecosystem Integration*. UNAM-PUAL-ICML, UNAM Press México DF, 654 pp.

Yáñez-Arancibia, A. & P. Sánchez-Gil 1986. *The Demersal Fishes of the Southern Gulf of Mexico Shelf : Environment, Ecology and Evaluation*. Inst. Cienc. del Mar y Limnol. UNAM Press México. Publ. Esp. 9 : 230 pp.

Yáñez-Arancibia, A. & D. Pauly (eds.) 1986. *Recruitment Processes in Tropical Coastal Demersal Communities*. IGC/FAO Workshop Proceedings, UNESCO Paris, No. 44, 323 pp.,.

Yáñez-Arancibia, A. & J. W. Day (eds.) 1988. *Ecology of Coastal Ecosystems in the Southern Gulf of Mexico*. Organization of American States Washington DC, Louisiana State University Baton Rouge, UNAM Press Mexico, 518 pp.

Day, J. W, C.A.S. Hall, W.M. Kemp & A. Yáñez-Arancibia 1989. *Estuarine Ecology*. John Wiley & Sons, Inc., New York. 558 pp. .- Second Edition 750 pp. 2005 in progress. Contract signed with Wiley in April 2005.

Day, J.W. & A. Yáñez-Arancibia (eds.) 1990. *Lagoon-Estuarine Ecosystems in Latin America*. Estuaries, Estuarine Research Federation, Special Issue, Vol. 13 (2) 230 pp.

Yáñez-Arancibia, A. & A.L. Lara-Domínguez (eds.) 1999. *Mangrove Ecosystems in Tropical America*. Instituto de Ecología A.C. México, UICN/ORMA Costa Rica, NOAA-NMFS, Silver Spring MD USA. 380 pp.

Yáñez-Arancibia, A. (ed.) 1999. *Integrated Coastal Management in Latin America*. Ocean & Coastal Management Elsevier Science, Special Issue, Vol. 42, (2-4) 77-368 pp.

Yáñez-Arancibia, A. & J. W. Day (eds.) 2004. *Integrated Coastal Management in the Gulf of Mexico Large Marine Ecosystem*, Ocean & Coastal Management Elsevier Science, Special Issue, Vol. 47 (11 & 12) 537-757 pp.

Day, J. W. & A. Yáñez-Arancibia (eds.) 2006. *The Gulf of Mexico: Ecosystem-Based Management*. Harte Research Institute for Gulf of Mexico Studies, Texas A & M University Press. (On going). Contract signed with TAMU-CC in June 2005.

B. JOURNAL PUBLICATIONS & CHAPTERS (Published more than **200** papers).

Some examples :

Yáñez-Arancibia, A., F. Amezcua & J. W. Day 1980. Fish community structure and function in Terminos Lagoon, a tropical estuary in the Southern Gulf of Mexico, p. 465-482. In : V. Kennedy (ed.), *Estuarine Perspectives*. Academic Press Inc., N.Y., 534 pp.

Deegan, L.A., J.W. Day, J.G. Gosselink, A. Yáñez-Arancibia, G. Soberón & P. Sánchez-Gil 1986. Relationship among physical characteristics, vegetation distribution, and fisheries yield in Gulf of Mexico estuaries, p. 83-100. In : D.A. Wolfe (ed.), *Estuarine Variability*. Academic Press Inc., New York. 510 pp.

Yáñez-Arancibia, A. 1987. Coastal lagoons and estuaries: cronology, criteria and concepts for an ecological classification of coastal ecosystems (in Spanish). *Revta. Sociedad Mexicana Historia Natural*, 39 : 35-54.

Yáñez-Arancibia, A., A.L. Lara-Domínguez, J.L. Rojas, P. Sánchez-Gil, J.W. Day & C.J. Madden 1988. Seasonal biomass and diversity of estuarine fishes coupled with tropical habitat heterogeneity (Southern Gulf of Mexico). *Journal of Fish Biology*, 33 (Supplement A): 190-200.

Yáñez-Arancibia, A. & A.L. Lara-Domínguez 1988. Ecology of three sea catfishes (Ariidae) species in tropical coastal ecosystem Southern Gulf of Mexico. *Marine Ecology Progress Series.*, 49 : 215-230.

Yáñez-Arancibia, A., P. Sánchez-Gil & A.L. Lara-Domínguez 1991. Estuary-shelf ecological interactions: functional structure of estuarine inlets and its effect on ecosystem productivity (in Spanish). *Academia de Ciencias Sao Paulo Brazil. ACIESP*, 71 (4) : 1-35.

Rojas, J.L., A. Yáñez-Arancibia, F. Vera & J.W. Day 1992. Estuarine primary producers : the Terminos Lagoon case study. Chap. 10 : 141-154. In : U. Seeliger (ed.), *Coastal Plant Communities in Latin America*. Academic Press Inc., New York, 392 pp.

Yáñez-Arancibia, A., A. Aguirre & G. Soberón 1992. Estuarine-related fisheries in Terminos Lagoon and adjacent continental shelf (Southern Gulf of Mexico), p. 145-153.

In : E. Maltby, P.J. Dugan & J.C. Lefeuvre (eds.), Conservation & Development : The Sustainable Use of Wetland Resources. IUCN Gland Switzerland. 219 pp.

Reyes, E., J.W. Day, M.L. White & A. Yáñez-Arancibia 1993. Ecological and resource management information transfer for Laguna de Terminos, Mexico : A computerized interface. Coastal Management, 21 : 37-51.

Yáñez-Arancibia, A., A.L. Lara-Domínguez & J.W. Day 1993. Interactions between mangrove and seagrass habitats mediated by estuarine nekton assemblages : coupling of primary and secondary production, Hydrobiologia Belgium, 264 : 1-12.

Yáñez-Arancibia, A., A.L. Lara-Domínguez & D. Pauly 1994. Coastal lagoons as fish habitat, Chap. 12 : 363-376. In : B. Kjerfve (ed.), Coastal Lagoon Processes. Elsevier Science Publ. The Netherlands. 577 pp.

Pauly, D. & A. Yáñez-Arancibia 1994. Fisheries in coastal lagoons Chap. 13: 377-399. In: B. Kjerfve (ed.) Coastal Lagoon Processes. Elsevier Science Publ. The Netherlands, 577 pp.

Zárate, D., C. Santibón, M. Roberts, A. Yáñez-Arancibia & J.L. Rojas 1995. Remote sensing applied in the ecological zonification in the Mexican Caribbean, Vol. 2 : 324-331. In : Remote Sensing for Marine & Coastal Environments. Seattle Wash., 875 pp.

Twilley, R. R., S.C. Snedaker, A. Yáñez-Arancibia & E. Medina 1996. Biodiversity and ecosystem processes in tropical estuaries: Perspectives of mangrove ecosystems. Chap. 13: 327-370. In: H.A. Mooney, J.H. Cusham, E. Medina, O.E. Sala, E.D. Schulze (eds.), Functional Roles of Biodiversity: A Global Perspectives. ICSU/UNEP/SCOPE John Wiley & Sons Ltd. New York.

Yáñez-Arancibia, A., D. Zárate & V.S. Fandiño 1996. Environmental impact assessment in the Wider Caribbean region (in Spanish), p. 587-604. In : A.V. Botello et. al (eds.) Golfo de México Contaminación e Impacto Ambiental : Diagnóstico y Tendencias. EPOMEX Serie Científica. Univ. Campeche, México. Vol. 6, 666 pp.

Yáñez-Arancibia, A., D. Zárate , M. Gómez, R. Godinez & V.S. Fandiño 1999. The ecosystem framework for planning and management the Atlantic coast of Guatemala. Ocean & Coastal Management, 42 (2-4) : 283-317.

Yáñez-Arancibia, A., A.L. Lara-Domínguez, J.L. Rojas, D. Zárate , G.J. Villalobos & P. Sánchez-Gil 1999. Integrating science and management on coastal marine protected areas in the Southern Gulf of Mexico. Ocean & Coastal Management , 42 (2-4) : 319-344.

Yáñez-Arancibia, A., P. Sánchez-Gil & A.L. Lara-Domínguez 1999. Functional groups and ecological biodiversity in Terminos Lagoon Mexico. Revta. Sociedad Mexicana Historia Natural, 49: 163-172.

Yáñez-Arancibia, A., A.L. Lara-Domínguez, J.L. Rojas, G.J. Villalobos, D. Zárate & P. Sánchez-Gil 1999. Integrated coastal zone management plan for Terminos Lagoon, Campeche Mexico, Chap. 33: 565-592. In: H. Kumpf, K. Steidinger, K. Sherman (eds.), The Gulf of Mexico Large Marine Ecosystem: Assessment, Sustainability and Management. Blackwell Science Inc., Malden Massachusetts USA, 704 pp.

Downing, J.A., M. McClain, R.Twilley, J.M. Melack, J. Elser, N.N. Rabalais, W.M. Lewis, R.E. Turner, J. Corredor, D. Soto, A. Yáñez-Arancibia, J.A. Kopaska & R.W. Howarth 1999. The impact of accelerating land-use change on the N-Cycle of tropical aquatic ecosystems: Current conditions and projected changes. *Biogeochemistry*, 46:109-148.

Yáñez-Arancibia, A. 1999. Terms of reference towards coastal management and sustainable development in Latin America. *Ocean & Coastal Management*, 42 (2-4): 77-104.

Zárate, D., T. Saavedra, J.L. Rojas, A. Yáñez-Arancibia & E. Rivera 1999. Terms of reference towards an integrated management policy in the coastal zone of the Mexican Gulf of Mexico and the Caribbean Sea. *Ocean & Coastal Management*, 42 (2-4): 345-368.

Yáñez-Arancibia, A. 2000. Coastal Management in Latin America. Chap. 28: 447-456. In: C. Sheppard (ed.), *The Seas at The Millennium: An Environmental Evaluation*. Elsevier Science Ltd. 3 vols. 2400 pp.

Lara-Domínguez, A. L., A. Yáñez-Arancibia & J. W. Day 2002. Sustainable management of mangroves in the Southern Mexico and Central America. In: *Managing Forest Ecosystems for Sustainable Livelihoods*. The Global Biodiversity Forum, The Hague, The Netherlands.

Electronic publication: <"<http://www.iucn.org>"
<http://www.iucn.org/themes/cem/library/reports/index.htm>>

Day, J. W., A. Yáñez-Arancibia, W. J. Mitsch, A. L. Lara, J. N. Day, J. Y. Ko, R. Lane, J. Lindsley, D. Zárate 2003. Using ecotechnology to address water quality and wetland habitat loss problems in the Mississippi basin (and Grijalva/Usumacinta basin): A hierarchical approach. *Biotechnology Advances*, 22 : 135-159.

Yáñez-Arancibia, A. & J. W. Day 2004. Environmental sub-regions in the Gulf of México coastal zone: the ecosystem approach as an integrated management tool. *Ocean & Coastal Management*, 47 (11 & 12): 727-757.

Sánchez-Gil, P., A. Yáñez-Arancibia, J. Ramírez, J. W. Day & P. H. Templet 2004. Some socio-economic indicators in the Mexican states of the Gulf of Mexico. *Ocean & Coastal Management*, 47 (11 & 12): 581-596.

Reyes, E., J. W. Day, A. L. Lara, P. Sanchez-Gil, D. Zarate & A. Yáñez-Arancibia 2004. Assessing coastal management plans using watershed spatial models for the Mississippi

delta, USA, and the Usumacinta-Grijalva delta, Mexico. *Ocean & Coastal Management*, 47 (11 & 12): 693-708.

Yáñez-Arancibia, A. & J. W. Day 2004. The Gulf of Mexico: towards an integration of Coastal Management with Large Marine Ecosystem Management. *Ocean & Coastal Management*, 47 (11 & 12): 537-563.

Yáñez-Arancibia, A., A.L. Lara-Domínguez, P. Sánchez-Gil & J.W.Day 2004. Estuary-shelf ecological interactions: Conceptual framework for coastal environmental management, p. 431-490. In: *Environmental Diagnosis of the Gulf of Mexico*, INE-SEMARNAT, INECOL A. C., Harte Research Institute for Gulf of Mexico Studies, Texas A & M University-Corpus Christi, 1108 pp.

Day, J. W., J. Barras, E. Clairain, J. Johnston, D. Justic, P. Kemp, J. Y. Ko, R. R. Lane, W. J. Mitsch, G. Steyer, P. H. Templet & A. Yanez-Arancibia 2005. Implications of global climatic change and energy cost and availability for the restoration of the Mississippi Delta. *Ecological Engineering* 24 (4): 253-265.

Lara-Domínguez, A.L., J.W. Day, G. Villalobos, R.R. Twilley, H. Alvarez & A. Yáñez-Arancibia 2005. Structure of a unique mangrove forest assemblage in fossil lagoons on the Caribbean coast of Mexico. *Wetland Ecology & Management*, 13 (1): 111-122.

Yáñez-Arancibia, A. 2005. Middle America, Coastal Ecology and Geomorphology, p. 639-645. In: Schwartz, M (ed.), *The Encyclopedia of Coastal Sciences*, Kluwer/Springer Scientific Publ., London & Berlin, 1300 pp.

CURRENT PROJECTS IN THE GULF OF MEXICO

- A conceptual model for integrated coastal management in the Gulf of Mexico:
Ecosystem approach for sustainable development of critical areas.
- Integrated coastal management in the Gulf of Mexico Large Marine Ecosystem.
- Program of coastal resources.
- The use of coastal wetlands for wastewater assimilation and restoration in the Gulf of Mexico.
- Functional ecological groups and tropical fisheries resources.
- Regional program for integrated coastal management in the Gulf of Mexico and the Caribbean.
- Global international waters assessment (GIWA, GEF-UNEP) Sub-region 2 Gulf of Mexico.
- The Gulf of Mexico: Ecosystem-based management (HRI-TAMUCC).

For definition of these projects, participants, field of focus, study site, award period, publications and related information, see

<http://www.GulfBase.org>

www.GulfBase.org , link Programs and Projects, link Yanez-Arancibia.

THESIS

From 1978-2006. Conducted 22 biologist thesis, 20 master in science thesis, and 12 PhD dissertation.

PERSONAL

Born in Santiago de Chile. From 1973 resident alien of Mexico. From 2004 Visa J-1 for USA, S.S.N. 659-10-0860.

CURRENT POSITION

Adjunct Faculty, Louisiana State University
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and Coastal Ecology Institute
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Permanent Position

Senior Scientist & Professor
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REFERENCES for Dr. Alejandro Yáñez-Arancibia

(1). *Federal level United States and Mexico :*

Dr. Lawrence I. Sperling. Senior Adviser, Bureau of Ocean and International and Scientific Affairs, Office of Policy Coordination and Initiatives, U. S. Department of State, Washington DC. Telephone (202) 647-2061, E-mail: SperlingLI@state.gov

Dr. Frederick C. Kopfler. The Gulf of Mexico Program, United States Environmental Protection Agency, John C. Stennis Space Center, Mississippi, E-mail: Kopfler.Fred@epamail.epa.gov

Dr. Ernesto Enkerlin. Presidente de la Comision Nacional de Areas Naturales Protegidas, CONANP, SEMARNAT Mexico, E-mail: Enkerlin@conanp.gob.mx; Enkerlin2002@yahoo.com.mx

(2). Non Governmental Organizations :

Dr. Enrique J. Lahmann. Director Regional, World Conservation Union (IUCN), Mezoamerican Programme, San Jose Costa Rica & Gland Switzerland. E-mail: enrique.lahmann@iucn.org

Dr. Jorge A. Jimenez. Director General, Organization for Tropical Studies (OTS), Regional Office San Jose Costa Rica & Miami FL, E-mail: jjimenez@ots.ac.cr

(3). Governmental Organizations :

Dr. Patricio Bernal. General Secretary, Intergovernmental Oceanographic Commission IOC/UNESCO, E-mail : p.bernal@unesco.org ,Alternative E-mail IOCARIBE: c.toro@unesco.org; Iocaribe@enred.com

Dr. Jorge Csirke. Chief, Senior Officer Fishery Resources Service, Department of Fisheries, Food and Agricultural Organization of United Nations, FAO Rome E-mail: Jorge.Csirke@fao.org

(4). Academia level :

Dr. John W. Day. Distinguished Professor, Department of Oceanography & Coastal Sciences, and Coastal Ecology Institute, School of the Coast & Environment, Louisiana State University, E-mail: johnday@lsu.edu

Dr. Bjorn Kjerfve. Dean, College of Geosciences & Professor of Oceanography, Texas A & M University, College Station, Texas, E-mail: kjerfve@tamu.edu

Dr. William J. Mitsch. Director, Olentary River Wetland Research Park, Professor Ohio State University, Columbus, Ohio, E-mail: mitsch.1@osu.edu

Dr. W. Michael Kemp. Professor, University of Maryland, Center for Ecosystem Studies, Horn Point Laboratory, Maryland, E-mail: kemp@hpl.umces.edu

Dr. Daniel Pauly. Director, The Fisheries Centre, University of British Columbia, Vancouver B. C., Canada, E-mail: d.pauly@fisheries.ubc.ca

Dr. Charles A. Hopkins. Professor, The Ecosystem Center, Marine Biological Laboratory, Hoods Hole, Massachusetts, E-mail: chopkins@mbi.edu

Dr. Nelson M. Ehrhardt. Professor of Marine Biology & Fisheries, RSMAS University of Miami, Florida, E-mail: nehrhardt@rsmas.miami.edu

Dr. Robert R. Twilley. Director, Wetland Biogeochemistry Institute, School of the Coast & Environment, Louisiana State University, E-mail: rtwilley@lsu.edu

Dr. Charles A. Wilson. Vice Provost for Academic Affairs, and Director Louisiana Sea Grant Program, Louisiana State University, E-mail: cwilson@lsu.edu

Dr. John W. Tunnell. Associate Director, Harte Research Institute for Gulf of Mexico Studies, Texas A & M University-Corpus Christi, E-mail: jtunnell@falcon.tamucc.edu

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