CURRICULUM VITAE
January 7, 2023

NAME: James R. Kahn

CITIZENSHIP: United States citizen

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Fax: (540)-458-4007

EDUCATION:
B.A. - Economics - Washington and Lee University, 1975
M.A. - Economics - University of Maryland, College Park, 1978
PhD. - Economics - University of Maryland, College Park, 1981

RESEARCH AND TEACHING INTERESTS

Environmental and Resource Economics, Environmental Studies, and Environmental Policy with emphasis on interaction between the economic system and the environment, the role of the environment in the economic development of developing countries, sustainable development, sustainable development of resource dependent communities, fishery economics, Amazonian issues, systems of payments for environmental services, management of renewable resource systems, valuation of environmental resources, and global environmental problems.

PROFESSIONAL POSITIONS:

2019 - 2020       Interim Director, Environmental Studies Program
2000 - 2017       Director of the Environmental Studies Program, Washington and Lee University
2003-present     John F. Hendon Professor of Economics
2011-2016        Visiting Professor of Economics, Ph.D. Program in Fishery Sciences in the Tropics, Universidade Federal do Amazonas
2000-2003        Professor of Economics, Washington and Lee University
2000-2003        DuPont Professor of Environmental Citizenship, Washington and Lee University
2005-2006        Visiting Scholar, CNPq, Brazil
1992 - present Collaborating Professor, Universidade Federal do Amazonas, Manaus, Brazil
2001 Fulbright Scholar in Brazil
2000 Professor of Economics, University of Tennessee
1991 – 2000 Associate Professor of Economics, University of Tennessee
1999 – 2000 Director of Graduate Studies, Department of Economics, University of Tennessee
1991 – 1999 Joint appointment as Collaborating Scientist, Oak Ridge National Laboratory and University of Tennessee
1988 – 1991 Associate Professor of Economics, State University of New York, Binghamton, New York
1989 – 1990 Director, Center for Education and Social Research, SUNY-Binghamton
1980 - 1988 Assistant Professor, State University of New York, Binghamton, New York
1979 – 1980 Faculty Research Assistant, Center for Environmental and Estuarine Studies and Bureau of Business and Economic Research, University of Maryland
1978 – 1979 Graduate Research Assistant, Bureau of Business and Economic Research, University of Maryland
1976 – 1978 Graduate Teaching Assistant, Department of Economics, University of Maryland

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<th>2021 H-index (The largest number h such that the author has at least h publications with h citations)</th>
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Average number of citations for the 52 documents tracked by Scopus = 33.6
RePec ranking: top 10% of economists in citations, top 9% in H-Index (does not include my citations in non-economics journals)

**Authored books (4):**


**Edited Books (6):**


**Refereed publications in scientific journals (56):**

Carlos EC Freitas, Marcos de Almeida Mereles, Diego Valente Pereira, Lawrence Hurd, James Kahn, Gilberto Morais, Raniere Garcez Costa Sousa. 2022 Death by a Thousand Cuts: Small local dams can produce large regional impacts on the Amazonian ecosystem *Environmental Science and Policy* (impact factor 6.4)


INOMATA, S.O., KAHN, J.R. & DE CARVALHO FREITAS, C.E 2019 "Structural and socioeconomic aspects of the peacock bass Cichla vazzoleri fishery performed in a large hydroelectric reservoir of the Amazon Basin". Environmental Development and Sustainability [https://doi.org/10.1007/s10668-019-00532-z](https://doi.org/10.1007/s10668-019-00532-z)

BEN SAID, Olfa, BELGACEM, Rihab, BEN GAFFAR, Boudour, BEYREM, Hamouda and KAHN, James R., 2018, Environmental and economic assessment towards effective remediation of oil residual sludge from the bottom of Tunisian refinery crude oil storage tanks, *Arabian Journal of Geosciences* ISSN: 1866-7511


HURD, Lawrence, GARCEZ, Raniere, SOUSA, Flavia, COOPER, Greg, KAHN, James and FREITAS, Carlos "Amazon floodplain fish communities: habitat connectivity and conservation in a rapidly deteriorating environment".2016 *Biological Conservation*


KAHN, James Randall, Carlos Edwar Freitas and Miguel Petrere False Shades of Green: The Case of Brazilian Amazonian Hydropower *Energies* 2014, 7(9), 6063-6082; doi:10.3390/en7096063


KAHN, James, and GREEN, Trellis, 2000. Demand-Side Approaches to Mitigating...


**Chapters in books (43):**


The Sustainable Economic Development of the Indigenous and Traditional Peoples


Self-regulation strategies and co-management of fishery resources in the Amazon Basin (with Freitas and Rivas), in Ecosystems and Sustainable Development V, WIT Press: Southampton UK, pp 511-516. ISBN 1-84564-013-6, 2005


Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests (with McCormick and Nogueira), in Climate Change and Forest Management in the Western Hemisphere, Mohammed Dore (ed), Haworth Press: Binghamton, NY, 2001 (reprint of 2000 Journal of Sustainable Forestry Article)


"International Debt and Deforestation " (with J. McDonald) in The Causes of Tropical Deforestation, edited by Katrina Brown and David Pearce, University College London Press, 1994. 0774805110


**Papers in proceeding volumes (17):**


Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil (with Alex Rivas) in Proceedings of the Ninth Biennial Conference of the International Society for Ecological Economics, December 2006

Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New, (with Alex Rivas) in Proceedings of the Ninth Biennial Conference of the International Society for Ecological Economics, December 2006


Economic incentives, direct controls and ecosystem management of fisheries: Out with the old and in with the new, In Fish Communities and Fisheries, Proceedings of the 6th International Congress on the Biology of Fish, Ce Freitas, M Petrere, A. Rivas and Don Mackinley, eds, Manaus, AM. 2005.


The Economics of Natural Resource Exploitation, (with Dina Franceschi), proceedings from Workshop sobre Meio Ambiente, Buzios, CETEM, August 12-14 1998,

The Economic Implications of Sustainable Mining Within the Paradigm of Sustainable Development, (with Dina Franceschi), proceedings from Mineracao e Desenvolvimento Sustentavel, Ouro Preto Workshop, CANMET/CETEM, March 23-25 1998


The Economic Damages From Herbicide Pollution in Chesapeake Bay published in Proceedings of First Annual Conference on the Economics of Chesapeake Bay Management, Annapolis, MD, 1985.


Selected Technical Reports and Monographs (7):


Instrumentos Econômicos e Fiscais para Regulação do Setor Elétrico na Amazônia (com Rivas, Barreto e Viera), Agência Nacional de Energia Elétrica (Aneel), Rede de Centros de Excelência em Regulação de Mercados (Cerme), 2000

An evaluation and critical analysis of international forest concession systems, Governo do Estado do Amazonas, Gabinete do Governador, Instituto de Proteção Ambiental do Amazonas, October 14, 1998

The Economic Value of Long Island Saltwater Recreational Fishing (1991), New York Sea Grant Institute, SUNY-Stonybrook Press

FULL COURSES TAUGHT AT FOREIGN UNIVERSITIES (20 hours or more)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science taught 30 hour course in Fishery Economics (in Portuguese-July 2019)
Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Fishery Economics (in Portuguese-July/August 2017)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Fishery Economics (in Portuguese-July/August 2016)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in fishery economics (in Portuguese-July 2015)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in fishery economics (In Portuguese-August 2014)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 20 hour course in scientific writing in English (In Portuguese-August 2014)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Natural Resource Economics (in Portuguese-July 2013)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Fishery Economics (in Portuguese-August 2013)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Natural Resource Economics (In Portuguese-June 2012)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Fishery Economics (In Portuguese-August 2012)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Natural Resource Economics (In Portuguese-June 2011)

Universidade Federal do Amazonas, Ph.D. and Masters Programs in Fishery Science, taught 30 hour course in Fishery Economics (In Portuguese-August 2011)

Universidade Federal do Amazonas, taught 20 hour course in Global Environmental Governance (in Portuguese-July 2003)

Universidade Santa Ursala, Rio de Janeiro, Brazil taught 45 hour course in Masters Degree program on Natural Resource Economics (In English July-August 2001)

Universidade do Amazonas, Manaus Brazil: 30 hour course in environmental valuation taught in post-graduate specialization program in environmental impact assessment, In English-December, 1996).

Universidade do Amazonas, Manaus, Brazil: 30 hour course in environmental economics taught in Masters of Environmental Sciences Program, (In English-April, 1996).
SHORT COURSES TAUGHT AT FOREIGN UNIVERSITIES (less than 20 hours)

Universidade Federal do Rio Grande do Sul, taught 15 hour course to economics graduate students (August 2015) (in English)

Universidade Estadual do Norte Fluminense, taught 15 hour course to master’s and PhD students in the economics of coastal ecosystems. (in Portuguese July 2011)

Universidade Federal do Amazonas, taught 16 hours segment in MA program in sustainable development, “Choosing our Energy Future” (in Portuguese-August 2007)


Universidade Estadual do Norte Fluminense taught 15 hour course in Environmental Economics (in Portuguese-July 2005)

Universidade Federal do Pernambuco, Recife, Brazil, taught 12 hour course on environmental economics in Oceanography Department (In Portuguese-August 2002)

Universidade Federal do Pernambuco, Recife, Brazil, taught 12 hour course on environmental economics in Oceanography Department (in Portuguese-August 2001)

Universidade Federal do Ouro Preto, Escola das Minas, Ouro Preto, Brazil, taught 12 hour course on cost-benefit analysis (in Portuguese-August 2001)

Universidade do Amazonas, Manaus Brazil: Taught six hours in environmental economics module of Masters in Environmental Sciences program. Topics included “macro-economics and the environment” and “economics of global warming) in English-May 2001)

Universidade do Amazonas, Manaus, Brazil: taught eight hour course in Fundamental Elements of Environmental Decision-Making (March 2000)

Universidade Estadual do Norte Fluminense, Campos, Brazil : taught eight hour course in Fundamental Elements of Environmental Decision-Making (in English March 2000)

Universidade do Ouro Preto, Escola das Minas, Ouro Preto, Brazil: One day course in cost benefit-analysis taught to students in mineral engineering and engineers from mining companies in the area, (In English March, 1998).
INVITED LECTURES

2019 2019 Federal University of Rio Grande do Sul, presented Survey research to support sustainable development in remote areas of the Brazilian Amazon: A choice-modeling approach

2019 VA Tech Survey research to support sustainable development in remote areas of the Brazilian Amazon: A choice-modeling approach

2019 Hamilton College The Demise of Ecosystems: Economic Activity or Bad Policies

2018- ISIMM - Institut Supérieur d'Informatique et de Mathématiques de Monastir, Monastir, Tunisia, talked about economic aspects of the Anthropocene.

2018 - Presented a seminar to the Faculty of Sciences at the University of Carthage in Bizerte, Tunisia, Economic Activity or Bad Policies: Rent-seeking and the demise of ecosystems

2018 - Presentation to Bizerta Maritime Association, an umbrella organization of people concerned about coastal environmental problems, in Bizerte, Tunisia, presented “The economics of global climate change”.


2014- Universidade Estadual do Norte Fluminense, presented False Shades of Green: The case of Amazonian Brazilian Hydropower

2013- Centro do Tecnologia Mineral, Rio de Janeiro, presented Reflections of a Gringo Amazonense: Sustainable Development in Highly Intact Areas of Amazonia

2010-Unversidade Federal do Amazonas-Global Climate Change Policy-Post-Copenhagen (in Portuguese)

2009- Universidade Federal do Amazonas-Economic Incentives for Environmental Preservation.

2009- University of Tennessee, Department of Ecology, Presented Integrating Ecological Complexity into Economic Incentives,

2007- Universidade Federal do Amazonas – Global Climate Change: Where do we go from here, August 2007 (in Portuguese)


2006 - University of North Carolina-Charlotte, Beyond Kyoto: A Tax-Based System for the Global Reduction of Greenhouse Gases and Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinho Communities of Amazonas, Brazil

2006 - Davidson University-Davidson, NC: What is the future of the Amazon Rainforest?

2006 - University of Virginia, Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset

2006 – Universidade Federal do Amazonas (presentation in Portuguese): Current Issues in Climate Change

2005-Universidade Federal do Rio Grande do Sol, (presented in Portugues) Is Environmental Preservation a Luxury Good? Evidence from the Ribeirinho Communities of Amazonas, Brazil

2005- Marine Biological Laboratory, Woods Hole, MA, presented a synthesis of my work on sustainable forestry

2004- Universidade Federal do Amazonas, (presented in Portuguese)It is broke, so fix it: Rethinking the Kyoto Protocol

2004- Universidade Federal do Rio Grande do Sol, (presented in Portuguese), It is broke, so fix it: Rethinking the Kyoto Protocol

2004-Tec-Monterrey, Monterrey Mexico, presented three papers: It is broke, so fix it: Rethinking the Kyoto Protocol; Ecosystem Management in Fisheries; Rethinking Forestry Economics

2003- Fairfield University, presented “Economic Incentives for Protection of Amazonian Rainforests.

2003- Duke University, Nicholas School of the Environment, presented “Rethinking Forestry Economics”

2001 - Appalachian State University, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests

2001 - James Madison University, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests

2001 - Rochester Institute of Technology, presented Ecological Complexity, Economic Incentives, and the Preservation of Amazonian Rainforests

2000 - University of Tennessee, presented Sustainable Development and the Preservation Of Amazonian Rainforests

1999 - Universidade Nova de Lisboa (Lisbon, Portugal)- presented “Performance Bonding as a Continuous Economic Incentive for Environmental Improvement.”

1999 - Universidade do Amazonas (Manaus, Brazil) - presented “Performance Bonding as a Continuous Economic Incentive for Environmental Improvement”

1999 - Agência Nacional de Energia Elétrica (Brasilia) - presented Environmental Regulation of Electric Utilities and Its Implications for Brazil

1999 - Instituto Brasileiro do Meio Ambiente (Manaus) - Presented “Economic Incentives for Environmental Protection”

1999 - Universidade Tecnical do Amazonas (Manaus) - Presented “Economic Incentives for Environmental Protection”

1999 - Universidade Estadual do Campenais (Unicamp) (Campenais, Brazil) - Presented “Economic Incentives for Environmental Protection”

1999 - Instituto Proteção Ambiental - Amazonas (Manaus) - Presented “Economic Incentives for Environmental Protection”

1999 - Universidade Cândido Mendes (Rio de Janeiro) - Presented “Economic Incentives for Managing Open-Access Resources”

1999 - Alumnae College, Washington and Lee University - gave lectures on South American economic and sustainable development in Amazonia to alumnae program
1999 - Visiting Scholar in Residence, Washington and Lee University-three days of talks to faculty and students

1998 - Colgate University, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” and “Demand Side Policies for Environmental Protection and Sustainability”. Made several additional presentations in undergraduate classes.

1998 - Universidade Federal do Rio Grande do Sol, Porto Allegre, Brazil, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests”

1998 - Universidade Santa Ursula, Rio de Janeiro, Brazil, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests”

1998 - Colgate University-presented “Ecosystem Stability as a Source of Economic Scarcity” to Economics Department, presented two lectures to the university community, “Demything the Relationship between the Economy and the Environment” and Sustainable Economic Development of the Brazilian Amazon


1996 - Washington and Lee University: presented two lectures, a general public lecture on “Demything the Relationship between the Economy and the Environment, and a lecture to the economics department on Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fishery)

1996 Instituto Nacional de Pesquisas da Amazonia (National Institute for Research on the Amazon), Manaus, Brazil - presented Trade-Off Based Indices of Environmental Quality - An Environmental Analogue to GDP.

1996 Centro de Tecnologia Mineral, Conselho Nacional de Desenvolvimento Cientifico e Tecnológico (Center for Mineral Technology, National Counsel for the Development of Science and Technology (Brazilian Equivalent of NSF), Rio de Janeiro, Brazil-presented “The Environment, the Economy and Sustainable Development”.

1995 - Virginia Tech-presented Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.

1995 - University of Kentucky-Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.

INVITED PRESENTATIONS AT CONFERENCES

2019 _fesPIM, (expo on sustainability of the Industrial Pole of Manaus), presented a keynote talk, The Industrial Pole of Manaus: A sustainable pathway to economic development and environmental protection

2019 Aquasalt research workshop (EU), Zaragosa, Spain, presented Environmental Valuation of the Impacts of Agriculture on Aquifers and Coastal Lagoons

2017- International Conference on Hydroecology: For security of aquatic ecosystems and society, I presented an invited Keynote Address entitled: Economic Activity or Bad Policies: Degradation of Aquatic Ecosystems, March 20-24, Campos dos Goytacanas, Brazil

2017- Conference of the US Society of International Economics, I gave the Presidential Address entitled: Economic Activity or Bad Policies: The Demise of Aquatic Ecosystems, St Paul, MN.

2013- XX Congresso Brasileiro de Economia 2013, Manaus, Brazil, presented Desenvolvimento Sustentável e Preservação Ambiental em áreas florestais altamente intactas da Amazônia: Desafios e Oportunidades (Sustainable Development and Environmental Preservation in highly intact areas of the Amazon Rainforest: Challenges and Opportunities)

2013- Making Conservation Sustainable: Institutional Design and the Natural Environment (workshop co-sponsored by the National Fish and Wildlife Foundation, Vanderbilt Law School and UVA Law School), invited expert

2011- LOICZ (Land-Ocean Interface in the Coastal Zone) Open Science Conference: Global Systems, Climate Change and Sustainability, presented keynote address: Think Globally but Model Locally: The Use of Panel Data in Estimating Behavioral Models of the Relationships Between Human Behavior and Environmental Change

2011-INCT/CNPq Simpósio Internacional Sobre a Transferência de Materiais na Interface Continente – Oceano, Fortaleza, Brasil, presented Modelagem das Escolha e a Recuperação do Rio Paraíba do Sul (choice modeling and the restoration of the Rio Paraíba do Sul)
2010- Workshop on Public Policies for Sustainable Use of Fishery Resources in the Middle Rio Negro, In Barcelos. presented, Natural Resources and Sustainable Development in Barcelos.


2008-FIPSE/CAPES Project Directors meeting, presented Global Climate Change, Policy and the FIPSE/CAPES Consortia

2008-IV Feira Internacional da Amazônia - FIAM 2008, presented two papers, Princípios Teóricos sobre instrumentos econômicos e a gestão ambiental and A contribuição potencial da avaliação econômica para o processo de tomado de decisão (in Portuguese)

2006 - Seventh International Conference on Clean Technologies for the Mining Industry, presented Ecological Economics of Clean Mining, Buzios, Brazil, October, 2006.

2005-First Annual International PIATAM Congress, Manaus, BR, presented (in Portuguese) Complexidade Ecológico e o Processo Económico (Ecological complexity and the economic process)

2005 - Associated Colleges of the South, presentation on our US/Brazil Consortium for Environmental Studies

2005- Southern Economic Association Meeting, organized two sessions on Ecological Economics, presented Second-Level Externalities: Spillover Costs and Benefits Associated with the Internalization of Externalities

2005 - National Center for Ecological Analysis and Synthesis, Santa Barbara, participated in national panel workshop to develop a research agenda in the area of ecosystem service-based management of ecosystems. Wrote joint paper which has been accepted by Bioscience

2005- Annual Meeting of FIPSE/CAPES project directors, lead discussion session on environmental projects, invited participant in closed discussion on the future of US/Brazil cooperation in higher education.

2004 - Associated Colleges of the South, presentation on incorporating student research into the environmental studies curriculum

2001 - OECD International Workshop on Market Creation for Biodiversity Products and Services (Paris) presented The Development of Markets and Economic Incentives for Sustainable Forestry: Application to the Brazilian Amazon

2000 - Jornadas Iberoamericanas Sobre Cierre De Minas, Huelva, Spain, presented Improving Environmental Compliance in Mine Closure: The Case for a System of Performance Bonds

1999 - The International Materials Assessment and Application Center of the United Nations Industrial Development Organization (IMAAC/UNIDO) conference on mining and the environment (Porto, Portugal) - presented “Mining, the Environment and Sustainable Development”

1999 - OECD Workshop on Benefit Valuation of Biodiversity Resources (Paris) - presented Stated Preference Measures and the Value of Biodiversity


1998 - Mining, the Environment, and Sustainable Development, organized by Centro de Tecnologia Mineral, Ouro Preto, Brazil, presented “The Economics of Sustainability and its Implications for Sustainable Mining”

1997 - International Association for Technology Assessment and Forecasting Institutes, Zero Emissions and Technology Assessment: Implications for Developing Countries, Rio de Janeiro and Buzios, Brazil, presented the Role of Valuation in Assessing Alternative Technologies and Environmental Change.

1997 - Dimensões Humanas Da Mudança Climática Global E Do Manejo Sustentável Das Florestas Das Américas: Uma Conferência Interamericana (The Human Dimensions of Global Climate Change And Sustainable Forest Management in The Americas), Brasilia, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira)

PARTICIPATION IN CONFERENCES AND MEETINGS (organized sessions and contributed papers):

2019 meetings of the US Society of Ecological Economics, joint meeting with the Ecological Society of America, presented Survey research to support sustainable development in remote areas of the Brazilian Amazon: A choice-modeling approach


2018: International Society for Ecological Economics, Puebla Mexico, Sept 8-10, Presented Integrating Economic, Energy and Environmental Policy in Tunisia;

2017: World Recreational Fisheries Conference, I presented two papers:” Sport fishing management for environmental protection and sustainable development: An Application to the middle Rio Negro” and “A Perfect Storm: The Collapse of Quality of Life in Remote Regions of Amazonia”, Victoria, Canada

2016 World Fisheries Congress (Busan, Korea) I presented “Beyond Food Security: The Role of Small Scale Fisheries in the Sustainable Development of Resource Dependent Communities”

2016 International Society of Ecological Economics (Washington, DC), I presented “Limitations to the privatization of environmental quality: The case of Guanabara Bay in Rio de Janeiro” and “The Future of Brazilian Ecosystems: Is the cup half full, half empty or bone dry”


2014 – International Institute of Fishery Economics and Trade Conference, Brisbane, Australia, presented “Community-Based Sport Fishing as a Sustainable Development Path in Remote Regions in Developing Countries”.

2014 – World Recreational Fishing Conference, Campinas, Brazil, presented “Sport fishing as a path to sustainable development in remote and intact areas: Possibilities and Challenges”

2013- Center for Natural Resource Economics & Policy Meetings, New Orleans,
presented, “Valuation of the Rio Paraiba do Sul Ecosystem”

2012 - Southern Economic Association Meetings, New Orleans, presented a bio-economic model of small-scale fisheries in a highly intact area of the Brazilian rainforest,” and “Perverse Incentives in Fishery Regulation: The Closed Season in Coari, Amazonas, Brazil.

2012 - International Society of Ecological Economics /Rio +20, Rio De Janeiro, presented “The folly of following previous paths to growth: the case of Brazil and hydroelectric power (co-authored by Freitas, Petrere and Filizola) and “A bioeconomic model of sustainable small-scale fisheries in a highly intact area of the Brazilian Amazon” (co-authored by Freitas, Hurd, Petrere and Rivas).

2011 - LIGE 2011 Conference (Green Economy: Legal & Institutional Implications) in Manaus, AM, Brazil. I attended and Alex Rivas presented our co-authored paper, An experiment of Payments for Ecological Services and Sustainable Development in Barcelos, Amazonas, BR and

2010 - Regional Science Association International Meetings in Denver. Payments for Ecological Services and Sustainable Development in Barcelos, Amazonas, BR.

2009 - Climate Change: Global Risks, Challenges and Decisions (scientific conference to advise Copenhagen COP-15) in March 2009 in Copenhagen presented: A more comprehensive approach to an international treaty on greenhouse gas emissions: Biofuels, land-use and developing country participation.


2009 - Meetings of the Brazilian Society for Ecological Economics, in Cuiaba, MT, Brasil, August 2009 my co-author presented two papers, Economic Incentives for the Preservation of the Amazon, and Preferences of Fishermen in Manacapuru, Amazonas.


2006 - International Society of Economics, Biennial Meetings, New Delhi, India, presented, Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset (with Alex Rivas) and
Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New (with Alex Rivas); Participant in Symposium on Economic Growth and Environmental Conservation: Conflict or Concord?

2006 World Congress of Environmental and Resource Economics, Kyoto, Japan, presented Protecting the Environment for the Sake of Protecting the Environment: Evidence of Existence Value from the Ribeirinhas Community of Amazonas, Brazil and Road Building and Environmental Preservation in Amazonia: Turning an Environmental Liability into an Environmental Asset

2004- World Fishery Congress, Manaus, Brazil. Presented Economic Incentives, Direct Controls and Ecosystem Management of Fisheries: Out with the Old and in with the New

2004- Annual Meeting of FIPSE/CAPES project directors, lead discussion sessions on environmental projects, developing language programs, and constructing memoranda of understanding, Florianopolis, BR.

2004- Annual Meeting of FIPSE/CAPES project directors, lead discussion session on environmental projects, Miami.


2003- Southern Economic Association meetings, New Orleans, presented On the scarcity value ecosystem services and organized 4 sessions (jointly with John Whitehead).

2003-I Seminario de Propriedade intelectual, ciéncia e conhecimentos tradicionais da Amazônia (First Conference on intellectual property rights, science and traditional knowledge of Amazonia).

2003- presentation on obtaining external funding at meeting of Associated Colleges of the South Environmental Initiative, Atlanta.


2002- presentation on obtaining external funding at meeting of Associated Colleges of the South Environmental Initiative, Furman University.

2001 - Southern Economic Association, presented "A Case for Carbon Taxes" (with Dina Franceschi), "First World Agricultural Subsidies and Third World Sustainable Development" (with Gilda Sa da Albuqueque), and Choice Models of Ecosystem/Economy Tradeoffs in the Clinch River Valley (with Steve Stewart and Amy Wolfe), organized SCREE Program, chaired session
2000 - Southern Economic Association, organized SCREE sessions, chaired session

2000 - International Society for Ecological Economics, Canberra, Australia, presented three papers


1999 - American Economic Association Meetings, presented Diffusion of Sustainable Agriculture in the Brazilian Tropical Rain Forest: A Discrete Choice Analysis (W. Jill Caviglia)

1998 - International Society for Ecological Economics, Santiago Chile, presenting Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests (with McCormick and Nogueira)

1998 - Southern Economic Association, Baltimore, MD, presented Sustainability in Economies Dependent on Exhaustible Resource: The Intersection between Amazonian Sustainability and Mineral Development (with D. Franceschi)

1998 - World Congress of Environmental and Resource Economists, Venice, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira) and “Methods for Aggregating Performance Indicators”

1997 - Southern Economic Association Meetings, Atlanta, presented “Integrating Ecological Complexity into Economic Incentives for Sustainable Use of Amazonian Rainforests” (with McCormick and Nogueira), moderator of panel discussion on teaching environmental and resource economics


1996 - Southern Economic Association Meetings, presented Biophysical Constraints and Economic Value (with R.V. O’Neill), presented Valuing Southern Appalachian Forests (w Peter Maynard), organized sections for Southern Appalachian Committee on Resource and Environmental Economics

1996 - World Fisheries Congress, Brisbane, Australia, presented “Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fisheries" (with T. Green)

1995 - Southern Economic Association, organized sections for Southern Appalachian Committee on Resource and Environmental Economics, presented two papers, “Strict Environmental Policy: Microeconomic and Macroeconomic
Justifications?" with A. Farmer and J. McDonald; "Demand-Side Approaches to Mitigating Open-Access Externalities: The Case of Aquaculture and the Wild Fisheries" (with T. Green)

1995 - American Economic Association, presented two papers, Conjoint Analysis as a Method of Measuring Use and Non-Use Values of Environmental Goods (with Peter Maynard) and Trade-off Based Indices of Environmental Quality - An Environmental Analogue to GDP.

1994 - Southern Economic Association meetings, presented Conjoint Analysis as a Method of Measuring Use and Non-Use Values of Environmental Goods (with Peter Maynard).

1994 - Wilderness Areas, Regional Planning, and the Quality of Life, conference sponsored by University of Kentucky and Growth and Change - presented "Square Pegs and Round Roles: Can the Economic Paradigm be used to Value the Wilderness."

1994 - American Economic Association, member of organizing committee for Association of Environmental and Resource Economics sessions, organized and chaired session on contingent valuation.


1993 - Southern Economic Association meetings, organized three sessions in environmental economics, presented "Trade-off-Based Indicators of Environmental Policy: An Environmental Analogue to GNP."

1993 - American Economic Association, member of organizing committee for Association of Environmental and Resource Economists sessions, organized and chaired session on global environmental issues.

1992 - Southern Economic Association meeting - presented "The Appropriateness of Willingness to Pay Methodologies in the Formulation of Environmental Policy" chaired session on Contingent Valuation and Environmental Economics

1992 - Southern Regional Science Association presented "The Appropriateness of Willingness to Pay Methodologies in the Formulation of Environmental Policy"

1991 - Southern Economic Association - presented "Third World Debt and Tropical Deforestation"

1991 - American Association for the Advancement of Science, presented "Marine Debris" in a session on economics of estuarine management.
1991 - Eastern Economic Association, presented "Third World Debt and Tropical Deforestation, Chaired session on regional environmental problems

1990 - American Agricultural Economics Association, discussant in sessions on recreation valuation models


1988 - New York State Chapter of American Fisheries Society, Binghamton, NY, presented "The Economic Costs of the Moratorium on Striped Bass in New York State" (with R. Buerger)

1988 - Eastern Economic Association, Boston, MA, organized session on economics of coastal resources and presented "The Conflict Between Commercial and Recreational Fishing" (with R. Buerger)

1988 - Regional Science Association-presented "The Regional Economic Impact of Long Island Saltwater Recreational Fisheries"

1987 - New York State Chapter of American Fisheries Society, Utica, NY, presented "The Economic Value of Saltwater Recreational Fishing in Long Island"


1987 - Third Annual Conference on Economics of Chesapeake Bay Management, Annapolis, MD, presented "The New York Value of Chesapeake Striped Bass"

1987 - Southern Economic Association, discussant in sessions on urban public policy and housing economics

1986 - Association of Environmental and Resource Economists workshop on Marine Pollution and Environmental Damage Assessment, Narraganset, Rhode Island, presented "Measuring the Economic Damages Associated with Terrestrial Pollution of Marine Ecosystems."


1984 - Planning Conference on Economics of Chesapeake Bay, panel member.


1984 - Southern Economic Association meetings, Atlanta discussant in session on the economics of technological change and presented "The Economic Value of Great Lake sport fisheries: A Revealed Preference Approach to Valuing Recreational Site Attributes."


1984 - North East Regional Science Association Meetings, New York, discussant in session on input-output modeling.


**UNIVERSITY GRANT ACTIVITY (as PI or Co-PI):**

O uso de modelos comportamentais como suporte para o desenvolvimento sustentável em um região bem preservada da Amazônia (The use of behavioral models to support sustainable development in a highly intact region of Amazonas) FAPEAM (Foundation to support research in the state of Amazonas), R$49,000 (US$ 18,000), May 2015-May 2017

Zoneamento das pescarias para promover o desenvolvimento sustentável e minimizar os conflitos entre as pescarias em Barcelos, AM. Fishery zoning to support sustainable Development and minimize conflict among fisheries in Barcelos) FAPEAM (Foundation to support research in the state of Amazonas), R$350,000 (US$ 129,000), May 2015-May 2017
Sustainability Post-Doctorate Fellow Grant, Andrew Mellon Foundation, July 1 2009-June 30, 2011. $129,000

Enhancing Place-Based Learning in Environmental Studies at Washington and Lee University, Andrew Mellon Foundation, June 2008 to May 2012, $600,000.

Energy, Environment and Sustainable Development: The Central Role of the United States and Brazil, Fund for the Improvement of Post-Secondary Education (USDOE), September 2007 to September 2011,$ 205,000.

The Environment, Economic Development and Quality of Life Nexus: Complementary Activities, Fund for the Improvement of Post-Secondary Education (USDOE), September 2004 to September 2006, funding for complimentary activities $75,000

The Environment, Economic Development and Quality of Life Nexus: An Interdisciplinary Approach to Undergraduate Education, Fund for the Improvement of Post-Secondary Education (USDOE), September 2001 to September 2005, $208,000.

Integrated Decision-Making in Reservoir Operations (Tennessee Valley Authority through subcontract with University of Tennessee) $23,000 December 1, 2001 to April 1 2002


"Economic Damages from Pollution in the New York Bight", subcontract from SUNY-Stony Brook (Primary Contractor is Dynamac Corporation who has contract with U.S. E.P.A. as part of the New York Bight Restoration Plan) June 1, 1988 to December 31, 1988, $9,300.


ORNL CONTRACT RESEARCH ACTIVITY:

1999-2000  The Role of Transportation and Transportation Policy in Sustainable Development

1997-1998  Estimating the Rebound Effect for Household Vehicles in the US-Department of Transportation

1996-2000  Environmental Thresholds and Economic Value (DOE Integrated Assessment of Global Climate Change Program)

1995  The Effect of Chemical Weapons Disposal Programs on Property Values (DOD)

1995  Pricing Strategic Petroleum Reserve Oil, an Application of the Hedonic Pricing Model (DOE-Strategic Petroleum Reserve Program)

1994-1998  Developing a Methodology for Assessing the Social Benefits of Agency for Toxic Disease Registry and Substances (ATSDR) Programs

1994  Concept Analysis of In-Vehicle Signing (Federal Highway Adm.)

1993 - 1995  "Workshop on Contingent Valuation" (Department of Energy)


1993 - 1994  "Measuring the Benefits of Acid Deposition Control (NAPAP/DOE)

1993 - 1994  "Assessment and Operating Plans for Evaluating the Acid Rain Provisions of the 1990 Clean Air Act Amendments" (NAPAP/EPA)


PARTICIPATION IN RESEARCH PROJECTS FUNDED BY BRAZILIAN SOURCES (DIRECTED BY BRAZILIAN COLLEAGUES):

2010-present: Understanding complex systems: the fisheries management as a promoter of sustainable development, environmental protection and social welfare in the middle Rio Negro 2010-2016

2009-2012 Economic valuation of Taruma river basin, Manaus-AM

2007-2008 Economic Instruments to Protect the Amazon: the Manaus Industrial Pole Experience

2006-2009 Strategic intelligence of the petroleum industry in the Amazon

2006-2010 Non-use value estimation of environmental resources in the Manacapuru lake region
2005-2009: Academic research to improve environmental decisions at the traditional Amazonian community level (project director)
2005-2006: Public policies for sustainable use of fisheries resources in Negro river - Phase I
2005-2008 Monitoring of areas under influence of Petrobras oil and gas exploration: risks and environmental impact assessment of the petroleum industry in the State of Amazonas (project director)
2001-2003 Potential impacts of petroleum and gas transportation in the Amazon: risk assessments, contingent plans and strategies to recover impacted areas

PHD DISSERTATIONS SUPERVISED AS CHAIR

SUNY-Binghamton

David E. Clark, 1986
Thomas J. White, 1989
Larry P. Capone, 1992
Darlington Didia, 1993

University of Tennessee

W. Michael Fletcher, 1994
Thomas Yoder, 1995
Peter W. Maynard, 1996
Scott Rickard 1997
Alexandre Rivas 1998
Jill Caviglia 1998
Dina Franceschi, 1999

Universidade Federal do Amazonas:

Maria Angelica Correa in progress
Ingrid Rafaele de Almeida Lopes in progress

PHD DISSERTATIONS SUPERVISED AS COMMITTEE MEMBER

SUNY-Binghamton

R. P. Parcells
Leonides Papas
Somalia Kewa
Alfred Ntoko
William Herrin

Universidade Federal do São Paulo

Maria Laura Barreto, 2000
University of Tennessee

Martin King, 1995
Jeffrey Collins, 1996
Thomas Sadler, 1998
Amatta Diabata, 2000
Aubrey Meyer 2000

Universidade Nova da Lisboa

Anna Salgueiro (2003)

Universidade Federal do Amazonas:

Sandrelly Inomata in progress
Fabiana Calacina in progress

AWARDS AND HONORS:

- Rotary International Graduate Fellowship, 1975.
- SUNY Faculty Research Fellowship, 1981.
- SUNY-Binghamton University Award for Excellence in Undergraduate Teaching, 1988
- International Collaborator, Environmental Sciences Center, University of Amazonas, Manaus, Amazonas, Brazil, 1992 - 1999
- Collaborating Professor, Environmental Sciences Center, University of Amazonas, Manaus, Amazonas, Brazil, 1999-present.
- University of Tennessee Faculty Development Award, 1996
- Four time nominee for Outstanding Teacher, College of Business Adm., University of Tennessee (1992-1998)
- Scientific Adviser to the Pan American Committee on Mining, Metallurgy and Materials (COPAM) (1998-present)
- Scientific Advisor to the International Materials Assessment and Application Center of the United Nations Industrial Development Organization (IMAAC/UNIDO) (1998 to present)
- Fulbright Fellowship, Brazil, 2001
- Visiting Professor/Fellow, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq-The Brazilian national science foundation), 2005-2006

OFFICES HELD IN PROFESSIONAL ORGANIZATIONS:

Secretary-Treasurer, US Society for Ecological Economics, 2005-2006
President, Southern Committee for Resource and Environmental Economics (formerly Southern Appalachian Committee for Resource and Environmental Economics), 1995 to present
Secretary-Treasurer, Resource Policy Consortium, 1997 to 2000
Associate Editor, Southern Economic Journal, 1997 to 2001
Program Committee Member, Association for Environmental and Resource Economics, 1992-1994
Steering Committee Member, US Society for Ecological Economics

REFEREEING ACTIVITY: