Curriculum Vitae

Giulio De Leo, Ph.D. in Ecology

Full Professor, Dept. of Biology
Senior Fellow, Stanford Woods Institute for the Environment
Faculty Director of the Stanford Program for Disease Ecology, Health and the Environment
Faculty Fellow: Stanford Center for Innovation in Global Health, King Center for Poverty and Development, BIO-X

Stanford University (California).

CONTACT INFORMATION

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SUMMARY OF RESEARCH INTERESTS

My primary focus is in the use of ecological theory, particularly life history-based models, in disease ecology, population dynamics and management. In recent years I have been particularly interested in investigating factors and processes that provide resilience of natural or managed population to natural and anthropogenic stressors, environmental shocks and climate change. I study resilience from two very different perspectives: on the one hand, I have focussed my attention on populations or systems that prove to be resilient *despite* our effort to control or eradicate them, namely parasitic and infectious diseases. On the other hand, I have been working extensively to understand how to increase resilience of population of commercial or conservation interest to extensive harvesting, environmental shocks, climate change and land use change.

In the first case, I actively investigate the dynamics of infectious diseases, with specific interest in the biocontrol of schistosomiasis, the most important of the so called Neglected Tropical Diseases, affecting more than 240 million people and with more than 800 million people at risk worldwide. In the second case, I have been studying the dynamics, conservation and management of small scale fisheries (in particular the European eel Anguilla anguilla) and the impact of ocean acidification on important calcifying species, especially abalone (*Haliotis* spp), in the California Current Large Marine Ecosystem.

I use advanced mathematical and computational techniques to identify basic first-principles in the conservation and management of marine resources and in the ecology of infectious diseases, to explore costs and benefits of alternative policies for natural resource management in a multi-objective, multi-attribute framework and to analyse population dynamics and extinction risk of endangered populations. My research focuses on population ecology in a variety of ways, including quantitative studies of real-world systems and theoretical studies that inform practical management approaches. My goal is to identify and assess the effect environmental and anthropogenic drivers on natural population and disease dynamics and to estimate key parameters that may be incorporated into models useful for decision-making. I am especially interested in connecting academic science to decision tools and effective conservation practices and public health measures. Much of my research is collaborative and ranges across taxa and disciplines. This is reflected in the diversity of journals and topics on which I published.

I am leading an extensive research program, partially based in Senegal, aimed at controlling schistosomiasis by using natural predators or competitors of the obligate intermediate snail host, I co-founded The Upstream Alliance, a partnership of more than ten research institutions from 9 countries and four continents to fight schistosomiasis, and recently launched in 2015 a new Stanford Program in Disease Ecology, Health and the Environment to investigate the environmental levers of health and discover novel, creative solutions for controlling diseases with an important environmental component in the transmission cycle.

I conduct my research activity at the Hopkins Marine Station and, as a senior fellow, at the Woods Institute for the Environment and at the Center for Innovation in Global Health of Stanford University. I have published more than 200 papers, of which more than 100 on peer-reviewed scientific journals. My research is founded by both private and public foundations, including Bill and Melinda Gates Foundation, NSF, NIH, and have received, along with students and members of my lab, extensive media coverage (see section at the end of the document).

ACADEMIC POSITIONS AND TRAINING

- 2016-present: Faculty Fellow, Stanford Center for Innovation in Global Health
- 2015-present: Faculty director of the Stanford program in Disease Ecology, Health and the Environment
- 2012-present: Full Professor of Ecology, Dept. of Biology and Senior Fellow at the Woods Institute for the Environment, Stanford University (California).
- 2005-2011: Full Professor of Ecology, Dep. of Environmental Science, Univ. of Parma (Italy).
- 1998-2004: Associate Professor of Ecology, Depart. of Environmental Science, University of Parma (Italy)
- 1996-1997. Lecturer in Ecology (Ricercatore), Politecnico di Milano (Italy)
- 1993 Ph.D. in Ecology under a joint program of University of Ferrara and University of Parma (Italy)
- 1989 Master Degree (magna cum laude) in Environmental Engineering, Politecnico di Milano (Italy) with a thesis on Environmental Decision Support Systems for underground water quality simulation.

HONORS AND AWARDS

- "Data for Development (D4D) Challenge in Senegal" Prize (April 2015) for the "Health sector", promoted by Orange and Sonatel telecommunication company under the patronage of the Senegal Ministry of Higher Education and Research. Title of the research project: "Uncovering the impact of human mobility on schistosomiasis via mobile phone data" – joint Politecnico di Milano (Italy)/Stanford team led by Marino Gatto (Politecnico di Milano). In addition, the team has been awarded one of the three Development Grants funded by the Bill & Melinda Gates Foundation associated with the D4D Senegal Challenge
- Focus prize for scientific and technological innovation held by the national Focus magazine (2002)
- N.A.T.O. Senior Fellowship (1997)
- Post-doctoral fellowship supported by the Italian Ministry of Research (1994-96) to promote capacity building and international research networks.
- "Fondazione Ing. Aldo Gini" (Padova) scholarship (1989) to promote capacity building and international networks
- "Andrea Calori" Prize (1993), Bergamo (Italy).

OTHER PROFESSIONAL EXPERIENCES

- 2001-2003: Deputy Director of the Program for Technological Innovation and Sustainable Development of the Environmental Protection Agency of the Lombardy Region, Italy (Agenzia Regionale per la Protezione dell'Ambiente della Lombardia). Developed agreements with industrial associations to foster the adoption of environmental management schemes and to improve corporate environmental performances.

MAJOR GRANTS

Current

- Human Centered Artificial Intelligence seed grant 2018-2020: A novel approach to map seasonal changes in infection risk for schistosomiasis: a multi-scale integration of satellite data and drone imagery by using artificial intelligence. PI: De Leo, Giulio, Source of Support: Stanford Artificial Intelligence Lab. Total Award Amount: $46,296.Total Award Period: 07/01/2018-06/30/2020.
- Center for Innovation in Global Health 2019-2020. Innovation and Integration of Ecosystem-Human Health Science and Tools on the Natural Capital Project Platform. $50,000. PI De Leo, Berry and Sokolow.
- EVP Woods Institute for the Environment. Scaling up optimal intervention strategies for schistosomiasis control at the regional level: integrating epidemiological network modeling, machine learning, satellite data, and drone imagery. PI: De Leo, Giulio, Support: Woods Institute for the Environment Environmental Venture Projects, Stanford University. Total Award Amount: $199,692.Total Award Period: 10/01/2018-09/30/2020.
- DEHE program, Stanford University Innovation and Integration of Ecosystem-Human Health Science and Tools on the Natural Capital Project Platform. PI: Daily, Gretchen Cara, co-Investigator: De Leo, Giulio. Source of Support: Stanford Woods Institute for the Environment. Total Award Amount: $25,000 Total Award Period: 07/15/2018-01/15/2020.
- Principal Investigator of the NIMBioS working group (2017-2020)
- $350,000 (2015-2020) Principal Investigator of **Stanford SEED/FSI grant** to establish a program on "Disease Ecology, Health and Development"
- $319,000 (2015-2020) co-investigator of **NIH-EEID** project Using community ecology theory to predict the effects of agricultural expansion and intensification on infections of humans: implications for sustainable agriculture (PI: Jason Rohr, University of South Florida, $2,300,000);
- Co-investigator of SNAP-NCEAS working group lead by S.H. Sokolow and K. Lafferty (2017-2019)
- $250,000 Principal Investigator of Bill and Melinda Gates Foundation (PI Giulio De Leo 2017-2019): extension of the project "Aquaculture Pour La Sante: Native prawn fisheries restoration for poverty alleviation and schistosomiasis control in the Senegal River Basin" for prawn production
- $999,982 (2015-2019) Principal Investigator of **Bill and Melinda Gates Foundation** project: "Aquaculture Pour La Sante: Native prawn fisheries restoration for poverty alleviation and schistosomiasis control in the Senegal River Basin
- $15,383 (2014-2018) Co-investigator of the **NSF-CNH** project award "Healthy Ecosystems, Healthy People: The Coupled Human Health and Environmental Dynamics of Schistosomiasis in Sub-Saharan Afric" (PI Armand Kuris, UCSB, $1,450,000)

Past grant

- *Co-investigator* **Gran Challenges Canada foundation** (2014-2017) - *Macrobrachium Vollenhovenii* production in Senegal as a tool to curb transmission of schistosomiasis (CAD 1,000,000).

- $175,000 (2013-2015) Principal Investigator of Stanford **Woods Institute for the Environment, Environmental Venture Program** grant on bio-control of Schistosomiasis
- $450,000 (2014-2017) Principal Investigator of **NSF-OA** project award "Ocean Acidification: Collaborative Research: Interactive effects of acidification, low dissolved oxygen and temperature on abalone population dynamics within the California Current", as
- $450,000 (2012-2015) co-investigator of **NSF-CNH** (as co-investigator, PI Fiorenza Micheli) *"Enhancing resilience of coastal ecosystems and human communities to oceanographic variability: social and ecological feedbacks" (PI: Fiorenza Micheli, Stanford University)*
- €100,000 (2013) Principal Investigator of **Euro-Mediterranean Center for Climate Change** – reconstructing the baseline of grey reef shark fishery in the Line island of the Pacific.
- €58,000 (2011-13). *Co-PI **MIPAF**, Assessment of the eel management plans for Italian regions.*
- *€19,500 (2013-14).* Principal Investigator of *IZSLER (Regional Anima Health Agency) Assessment of surveillance system for bovine Tuberculosis: a network analysis.*
- *€20,000 (2012).* Principal Investigator of *Fondazione Lombardia per l'Ambiente. Guidelines for the Climate Change adaptation plan for the Lombardy region.*
- *€32,000 (2011-12). PI - ARPA-ER (Environmental protection Agency) Health risk assessment from waste incinerators.*
- *€70,000 (2010-2012). PI – MIUR (Italian Minister of Research – Programs of national interests)* , PI *PRIN20008.*
- *€31,000 (2010-12). PI- Tour du Valat. Natural Resource Management.*
- *€10,500 (2009). PI- Eukrasìa. Environmental impact Assessment of poultry litter combustion*
- *€12,000 (2009). PI- Consorzio LEAP. Waste managament .*
- *€41,000 (September 2009).* Partner of a EU project financed by EU Directorate-General for Maritime Affairs and Fisheries through CEFAS (P.I.). *MARE: Pilot projects to estimate potential and actual escapement of silver eel.*
- *€18,000 (July 2009). Co-investigator* - UNIMAR and Italian Minister of Fishery. *Modelling Support for the development of the Eel management Plan for Italy.*
- *€6,000 (June 2009). PI-* Università degli Studi di Ferrara. *Development of a habitat suitability index for Tapes philippinarum for Veneto coastal lagoons.*
- *€8,000 (Jan. 2009). PI Consorzio Ferrara Ricerche (CFR).* Optimal harvesting of *Tapes philippinarum,*
- *€30,000 (Feb. 2009).* Partner of a project financed by CORILA for the design of the management plan of the Venice lagoon.
- *€31,000 (2008-Dec. 2009) European Commission grant* - Partner of the *EXIOPOL project* on *environmental externalities accounting.* Focus on fishery policies.
- *€259,000 (2007-Jan 2009)* Principal Investigator - *PRIN2006 - Italian Ministry of Research*. Principal Investigator of the research project "An Integrated Approach to the Conservation and Management of the European Eel in the Mediterranean Region"
- *€390,000 (2005-Dec. 2008)- Fondazione Lombardia per l'Ambiente (FLA)*. Principal Investigator of the Research Line: "Environmental Externalities: assessment of local impacts of global climate change in the Lombardy region" of the project Kyoto-Lombardia
- *€15,000 (2006-Dec. 2008)- Italian Ministry of Research*. Development of an international research network (interlink) with Princeton, Stanford and Emory in USA and Tour du Valat in France.
- *€45,000 (2005-Dec. 2008) - Research contract with CementiRossi SpA* for the Environmental Impact Assessment related to the implementation of the EU Directive 96/61/CE (*Integrated Pollution and prevention Control*).
- *€ 50,000 (2004-2005)- Center for Energy Research (CESI)*. Principal Investigator of the project "Estimating Environmental Externalities of energy production"
- *€140,000 (2003-2004) - Ministry of Agriculture, Aquaculture and Fishery department* P.I. of the research project # 6-C-76, "Impact of bivalve filter feeders farming on nutrient recycling in distrophic coastal lagoons: bioeconomic impact of algal blooms and identification of sustainable strategies of the farming activity in *Sacca di Goro*, Italy".
- *(2001-2003)* - Director of the office for the promotion of technological innovation and sustainable development in the Environmental protection Agency (ARPA) of Lombardia.
- *€1,700,000* contract with TAV SpA, "Technical support to the Environmental Observatory of high speed trains";
- *€100,000* European Union LIFE project *DesAir* 03 ENV/IT/343 *Designing a local market for specific polluting emissions* (SO2, NOx, CO2): a pilot project for air quality control in Lombardia for the application of the *Emission Trading* Directive in Lombardia (project Leader: IEFE-Bocconi)

SERVICES and other activities

- Faculty Director of the Stanford "Center for Disease Ecology, Health and Development" (Executive Director dr. Susanne H. Sokolow) - from summer 2015 on.
- Director of the International Workshops on Mathematical Models of Climate Variability, Environmental Change and Infectious Diseases January 10-23, 2015 San Paulo, Brazil; April 29 - May 11, 2013, Trieste (Italy); and Arusha, Tanzania, 23 January - 3 February 2012. Co-organizers: AP Dobson (Princeton University), M Pascual (University of Michigan) and G. Canziani (Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina). Workshops developed in collaboration and sponsored by the International Center of Theoretical Physic
- Nov. 1st 2013-14-15-16, leading with Fiorenza Micheli a working group at the Hopkins Marine Station for the Stanford First Nations' Futures Institute event at the Hopkins Marine Station
- Associated Editor of *Ecology Letters* (since 2007) and of *Journal of Evolutionary Medicine* (2015)
- Reviewer for several international journals, including: Journal of Animal Ecology, PNAS *American Naturalist, Marine and Freshwater Research, Ecological Modelling, Proceedings of the Royal Society Series B, Canadian Journal of Fisheries and Aquatic Sciences*, etc.
- Chair of the Committee for ethical investment for Eurizon Capital SGR – Banca Intesa -San Paolo (2007-2012)
- Chair of the Scientific Committee of the Energy Agency of Parma (2006-2008)
- Member of the National Council and of the Scientific Committee of WWF-Italy (2005-2008)
- Founder and President of the Association of Environmental Engineers (AIAT: Associazione Ingegneri per l'Ambiente ed il Territorio, www.ingegneriambientali.it) (1999-2005).
- Director of the Ph.D. Program in Ecology at the University of Parma (2006-2011)

RECENT TEACHING AND MENTORING

- **2019: BIOHOPK 81 "Introduction to Ecology" (spring quarter 2018 and 2019)**
- **2019: BIOHOPK – Career Development (Fall quarter, 2014-2016-2019)**
- **Nov 2018: BIO03 2016 Frontiers in Marine Biology, every Fall Quarter, <u>one lecture</u>**
- **2019: ENVRES 398 and ENVRES 399-137, BIOHOPK 300H-14, BIOHOPK 198H-14, BIOHOPK 199H-14: graduate and undergraduate level individual research and reading**
- BIOS-270 "Planetary health" (June 2018)
- BIOHOPK 168H/268H "Disease Ecology: from parasite evolution to the socio-economic impacts of pathogens on nations". *Cardinal course*. Spring Quarter 2017 (3 units)
- BIOHOPK 177H – BIO 277H, "Dynamics and management of marine populations", Winter 2017 (4 units)

MENTORING 2019

- Undergraduate Advisees:	**5 students**: Christopher LeBoa, Ryan Treves, Annie Joyce, Joshua Kazdan, Tiffany Ong
- Primary PhD Advisees:	**5 students**: Tim White, Isabel Hones, Andrea Lund, Richard Grewelle, Maurice Goodman
- Other Graduate Advisees:	**14 students** -Jessica Martin, Tyler Neal McFadden and Lucas Pavan (Dirzo lab), Nicole Nova and Lisa Couper (Mordecai lab), Hannah Blondin (Crowder lab), Natalie Lowe, Betsy Manfield & Natalie Arnoldi (Micheli lab), Matthew Sayler, Alexandra Cohen and Drew Miller (MIIS Master student), Maria Correia (Portuguese PhD student working on eels population dynamics), Christopher Hoover (UC Berkeley, Remais lab)
- Other academic Advisees:	1 **advisees**: Susanne Sokolow (senior research associate);
- K-12 education	Worked with **2 teachers** Darrell Steely (middle school teacher, Carmel by the Sea, through Ignite fellowship, to develop a Planetary Health curriculum for middle school) and Christian Reilly (director of the ocean program at Santa Catalina, partner in the NSF BIO OCE project led by Micheli & De Leo)

MENTORING 2018

- Undergraduate Advisees: **9 students** -Christopher LeBoa, Chloe Rickards (honor thesis), Lance Lamore, Tiffany Ong, Nichola Kolasa-Lenar, Karly Chin, Michael Burnett, Sofia Ali, Omar So
- Primary PhD Advisees: **4 students**: Tim White, Isabel Hones, Andrea Lund, Richard Grewelle)
- Other Graduate Advisees: **11 students** -Jessica Martin and Tyler Neal McFadden (Dirzo lab), Nicole Nova (Mordecai lab), Hannah Blondin & William Oestreich (Crowder lab), Natalie Lowe, Besty Manfild & Natalie Arnoldi (Micheli lab), Daryll Calrson (coterm student), Tyler Higginson (MIIS MBA Master student), Maria Correia (portugese PhD student working on eels population dynamics)
- Primary Postdoc Advisees: **2 advisees**: Emil Aalto. Advising also Susanna Sokolow (research associate).

MENTORING 2017

- Undergraduate Advisees: **9 students** in total: 3 students for the honor thesis (Daryll Carlson, primary advisor for honor thesis and Austin Ayer, second reader of honor thesis; Jonathan Flisk co-advisor for co-term thesis), 6 summer interns (Josh Kazdan, Jiamin Huang, Pretom Shome, Chloe Rickards, Chris LeBoa, Emily Hess)
- Primary PhD Advisees: **4 students**: Tim White, Isabel Hones, Andrea Lund, Richard Grewelle)
- Other Graduate Advisees: **6 students:** Natalie Lowe, Maria Malgorzata Wojakowski, Michelle Lisner (immunology) + Maria Correia (graduate student in Portugal)
- Primary Postdoc Advisees: **2 advisees**: Emil Aalto. Advising also Susanna Sokolow (research associate).

MENTORING 2016

- Primary PhD Advisees (4): Timothy White, Isabel Jones, Andrea Lund, Richard Grewelle
- Other Graduate Advisees (6): Stanford HMS graduate student PhD committee: Maria Malgorzata Wojakowski, Diana LaScala-Gruenewald, Natalie Low, Ju Lee; Stanford Immunology graduate student PhD committee: Michelle Lissner; post-doc: Emil Aalto.
- Undergraduate Advisees (8): Daryll Carlson (VPUE UAR 2016 and honor thesis 2017), Jonas kemp (VPUE 2016), Jonathan Fisk (co-term and honor thesis 2017), Emily Alsentzer (co-term, writing a paper on her VPUE 2016 internship), Tiffany Thisner (summer intern through MBARI), Aileen San (REU summer intern student on a joint program between CSUMB and HMS), Madelyn S. Boslough (Stanford summer intern from Electrical Engineering), Lee Marom (Stanford summer intern from industrial design)

MENTORING 2015

- Primary PhD Advisees (3): Timothy White, Isabel Jones, Andrea Lund
- Other Graduate Advisees (8): Maria Malgorzata Wojakowski, Diana LaScala-Gruenewald, Natalie Low (Stanford graduate students)
  Scott Swartz (co-term master student)
  Emil Aalto, Robin Elahi (Stanford post-docs),
  Marcello schiavina (post-docs, Politecnico di Milano), Gianluigi Rossi and Michele Cordioli (graduate students, University of Parma).
- Undergraduate Advisees (5): Jonathan Fisk, Emily Alsentzer (Stanford VPUE), and Chloe Rikards (Stanford VPUE), Nick White (Stanford MUIR program), Scott Swartz (co-term)

MENTORING 2014

- Primary PhD Advisees (2): Timothy White, Diana Rypkema
- Other Graduate Advisees (11): Elena Finkbeiner, Maria Malgorzata Wojakowski, Diana LaScala-Gruenewald, Natalie Low (Stanford graduate students
  Sanna Sokolow, Emil Aalto, Robin Elahi (Stanford post-docs),
  Marisa Rossetto and Marcello schiavina (post-docs, Politecnico di Milano),
  Gianluigi Rossi and Michele Cordioli (graduate students, University of Parma).
- Undergraduate Advisees (3): Scott Swartz (Honor Thesis, Biology); Jonathan Fisk (Stanford MUIR), Olivia Cords (Stanford VPUE), Anika Knight (NSF RUE student)

RECENT INVITED LECTURES

- **TensorFlow conference, Oct 30 2019, Santa Clara. Building deep learning applications using TensorFlow to combat schistosomiasis**
- **Center for African Studies, Stanford University Oct 16 2019. Levers for Health and Conservation:Lessons from Africa**
- **African Institute for Mathematical Sciences (Senegal), April 17 2019. Mathematical models for human health and for biological conservation**
- **University of St. Andrews, Scotland, April 9th 2019. Schistosomiasis: a wicked problem, but one worth solving**
- **University of Stirling, Scotland, April 8th 2019. The past, present, and future of snail control for schistosomiasis elimination using aquculture**
- **Bay Area Ecology and Evolution of Infectious Disease, Stanford University, March 2nd 2019. The program for Disease Ecology, Health and the Environment.**
- De Leo, UC-Davis seminar series, 22 Feb 2018. Planetary Health: novel ecological solutions for the control of environmentally transmitted diseases.
- De Leo and Sokolow MIIS fall 2017: Aquaculture for Health
- De Leo, MIIS Dec. 5th 2017: thinking out of the box: unattended consequence of land us change (and how to fix them).
- De Leo and Sokolow MIIS fall 2017: Aquaculture for Health
- De Leo and Sokolow, April 29th 2017: A story of dam, snails and diseases. The inaugural Planetary Health annual meeting, Boston (USA)
- De Leo, April. 14th 2017 Everything that can go wrong in field project: my experience from Senegal. Stanford Freedman Spogli Center for International studies and Stanford Business school
- De Leo, Feb. 8th 2017 The Enemies of my enemies are my friends: Leveraging Biodiversity to Control Infectious Diseases of Poverty, Madagascar: A Crucible for Science, Health and the Environment. A Stanford Global Health Research International Symposium
- De Leo, Oct. 30th 2016 The Death and life of the Monterey Bay. First Nations Initiative.
- De Leo, Sept 30th 2016 The dynamics of Environmentally Transmitted diseases. UC Berkeley
- De Leo, July 6th 2016. The enemy of my enemy is my friend: discovering novel ecological solutions to fight infectious diseases of poverty. Summer program Faculty Seminar Series, organized by the office of multi-cultural affairs.
- De Leo, March 23 2016 Research talk "Novel way to control schistosomiasis in sub-Saharan Africa: an integrated ecological approach". Natural Capital Program Symposium, Stanford University.
- De Leo: April 8 2016 Research talk "EVP project, from idea to solutions, the case of schistosomiasis in Africa". Woods Institute for the Environment retreat plenary talk.
- De Leo, and S.H. Sokolow: Feb 3 2016 Research talk "Novel way to control schistosomiasis in sub-saharan Africa: an integrated ecological approach". Dept. of Immunology, Stanford University.
- De Leo: Nov 4 2015. "The program for Disease Ecology, health and the Environment". Meeting of the Advisory Board of the Woods Institute for the Environment, Stanford University.
- De Leo, and S.H. Sokolow: July 14 2015 Research talk "the bio-control for schistosomiasis in Senegal" for SE3 Summer Programs Faculty Seminar Series
- De Leo: "Native Prawns: A Candidate New Tool for Schistosomiasis Control: laboratory, field and modelling studies", Research talk, International Workshops on Mathematical Models of Climate Variability, Environmental Change and Infectious Diseases January 10-23, 2015 San Paulo, Brazil
- De Leo. "The dynamics and control of schistosomiasis in Senegal" Research talk, Alta Scuola Politecnica (Spring school organized by Politecnico di Milano for master students), Lago di Como (Italy), May 8 2015
- De Leo. "When the good goes bad …and how a little prawn can help to fix the problem", outreach talk for Friends of Hopkins, Hopkins Marine Station of Stanford University, July 11 2015
- De Leo. "Land use change and diseases: the case of schistosomiasis in Senegal ". Research talk, Workshop on the "Understanding how land-use change impacts the dynamics of vector-borne and water borne infectious disease of humans and domestic livestock," SESYNC, Annapolis, June 2015.
- De Leo. Abalone fishery management and impact of climate change. NSF-RCN on "Disease of Marine Organism", Old Dominion University, Norfolk, May 11-15 2015
- De Leo. A comparative analysis of approaches and tools for the design of MPA networks. Third annual meeting coconet – invited talk. Paris, Feb 2015

- De Leo. "The relationship between water infrastructure development and infectious diseases". Research talk, Workshop on the "Ecology of Poverty and Economic Development" at the Paris School of Economics in partnership with University of Cergy-Pontoise, Nov. 13-14 2014
- De Leo, Ocean sustainability- invited talk at Alta Scuola Politecnica, Lago di Como, May 8 2014
- De Leo, Sokolow and Hsieh. New solutions for global control of parasitic infections: the case of Schistosomiasis, Woods Institute Environmental Forum, Stanford University November 2013.
- De Leo, Trading off between conservation and fishery goals in small scale fisheries, NOAA-UCSC, Santa Cruz Dec. 17 2013.

PUBLICATIONS

INTERNATIONAL JOURNALS

[1] White, Tim… and De Leo 2020. Tracking the response of industrial fishing fleets to large marine protected areas in the Pacific Ocean. Conservation Biology. Accepted.

[2] Aalto E. A., Barry J. P., Boch C. A., Litvin S. Y., Micheli F., Woodson C. B. & De Leo G. A., 2020. Abalone populations are most sensitive to environmental stress effects on adult individuals. Marine Ecology Progress Series 643:75-85.

[3] Castro MC, Baeza A, Cucunuba´ ZM, Dal'Asta AP, De Leo GA, et al. (2019) Development, environmental degradation, and disease spread in the Brazilian Amazon. PLoS Biol 17(11): e3000526. https://doi.org/10.1371/journal.pbio.3000526

[4] Aalto EA, KD Lafferty, SH Sokolow, RE Grewelle, T Ben-Horin, CA Boch, PT Raimondi, SJ Bograd, EL Hazen, MG Jacox, F Micheli, and GA De Leo 2020. Models with environmental triggers offer a plausible mechanism for the rapid spread of infectious disease outbreaks in marine organisms. **Scientific Reports** 10, 5975 (2020). https://doi.org/10.1038/s41598-020-62118-4.

[5] Chamberlin, A., Jones, I.J.*, Lund, A.*, Jouanard, N., Riveau, G., Ndione, R., Sokolow, S.H., Wood, C.L., Lafferty, K.D., De Leo, G.A. 2020. Visualization of schistosomiasis snail habitat using light unmanned aerial vehicles. **GeoSpatial Health**, accepted for publication

[6] Buck, J., De Leo, G.A., Sokolow, S.H. (senior and corresponding author). 2020. Eco-evolutionary theory can explain schistosomiasis age-intensity relationships, with implications for control. **Frontiers in Microbiology**. 11. https://doi.org/10.3389/fimmu.2020.00160.

[7] Moro S., Jona-Lasinio G., Block B., Micheli F., De Leo G., Serena F., Bottaro M., Scacco U., Ferretti F. 2020. Abundance and distribution of the white shark in the Mediterranean Sea. **Fish and Fisheries**, DOI: 10.1111/faf.12432

[8] Maier T, Wheeler NJ, Namigai EKO, Tycko J, Grewelle RE, Woldeamanuel Y, Klohe K, Perez-Saez J, Sokolow SH,De Leo GA, Yoshino TP, Zamanian M, Reinhard-Rupp J (2019). Gene drives for schistosomiasis transmission control. **PLoS Negl Trop Dis** 13(12): e0007833. https://doi.org/10.1371/journal.pntd.0007833

[9] Castro MC, Baeza A, Codeco CT, Cucunuba ZM, Dal'Asta AP, De Leo GA, Dobson AP, Carrasco-Escobar G, Lana RM, Lowe R, Monteiro AMV, Pascual M, Santos-Vega M, 2019. Development, environmental degradation, and disease spread in the Brazilian Amazon. **PLOS Biology**, Vol. 17(11): e300052

[10] Correia MJ, Domingos I, Santos J, Lopes V, De Leo G, Costa JL 2019/. Challenges to reconcile conservation and exploitation of the threatened Anguilla anguilla (Linnaeus, 1758) in Santo Andre lagoon (Portugal). **Ocean & Coastal Management**, 81: 104892. DOI: 10.1016/j.ocecoaman.2019.104892.

[11] Wood CL, Sokolow SH, Jones IJ, Chamberlin AJ, Lafferty KD, Kuris AM, Jocque M, Hopkins S, Adams G, Buck JC, Lund AJ, Garcia-Vedrenne AE, Fiorenza E, Rohr JR, Allan F, Webster B, Rabone M, Webster JP, Bandagny L, Ndione R, Senghor S, Schacht AM, Jouanard N, Riveau G, and **De Leo GA** (senior author) 2019. Precision mapping of snail habitat provides a powerful indicator of human schistosomiasis transmission, **Proceeding of the National Academy of Science**, 116 (44) 22353-22358. https://doi.org/10.1073/pnas.1908662116

[12] Sokolow SH, N Nova, K Pepin, AJ Peel, J Pulliam, KR Manlove, P Cross, D Becker, RK Plowright, H McCallum, and GA De Leo 2019. Ecological interventions to prevent and manage zoonotic pathogen spillover. **Philosophical Transactions of the Royal Society B**, 374: 20180342. http://dx.doi.org/10.1098/rstb.2018.0342

[13] Rohr JR,Barrett CB, Civitello DJ, Craft ME, Delius B, De Leo GA, Hudson PJ, Jouanard N, Nguyen KH, Ostfeld RS, Remais JV, Riveau G, Sokolow SH and D Tilman. 2019 Emerging Human Infectious Diseases and the Links to Global Food Production. **Nature Sustainability**, 2(6): 445-456, DOI: 10.1038/s41893-019-0293-3

[14] Lund, AJ, MM Sam, AB Sy, OW Sow, S Ali, SH Sokolow, SB Merrell, J Bruce, N Jouanard, S Senghor, G Riveau, D Lopez-Carr, and GA De Leo 2019. Unavoidable Risks: Local Perspectives on Water Contact Behavior and Implications for Schistosomiasis Control in an Agricultural Region of Northern Senegal. **Am. J. Trop. Med. Hyg.**, 00(0), 2019, pp. 1–11

[15] Hoover CM, Sokolow SH, Kemp J, Sanchirico JN, Lund AJ, Jones IJ, Higginson T, Riveau G, Savaya A, Coyle S, Wood CL, Micheli F, Casagrandi R, Mari L, Gatto M, Rinaldo A, Perez-Saez J, Rohr JR, Sagi A, Remais JV, De Leo GA

(Senior author), 2019. Modelled effects of prawn aquaculture on poverty alleviation and schistosomiasis control, **Nature Sustainability**. 2(7):611-620, DOI: 10.1038/s41893-019-0301-7

[16] Susanne Sokolow, Isabel Jones, Merlijn Jocque, Diana La,Olivia Cords, Anika Knight, Andrea Lund, Chelsea Wood, Kevin Lafferty, Christopher Hoover, Phillip Collender, Justin Remais, David Lopez-Carr, Jonathan Fisk, Armand Kuris and Giulio De Leo 2019. Plus de crevettes de rivière = moins de fièvre d'escargot? French version **Environmental Science Journal for Teens** (*this is not a peer-reviewed paper*).

[17] Burnett, MW, White, T, McCauley, DJ, De Leo, GA, Micheli F 2019. Quantifying coconut palm extent on Pacific islands using spectral and textural analysis of very high resolution imagery. **International Journal of Remote Sensing** 40(19):7329-7355, Special Issue: SI, DOI: 10.1080/01431161.2019.1594440

[18] Aalto EA, Micheli F, Boch CA, Espinoza Montes JA, Woodson CB and GA De Leo 2019. Catastrophic mortality, Allee effects, and marine protected areas. Published on line on **The American Naturalist**, DOI: 10.1086/701781

[19] Correia MJ, Costa JL, Antunes, C, De Leo G, Domingos I. 2018. The decline in recruitment of the European eel: new insights from a 40-year-long time-series in the Minho estuary (Portugal). **ICES Journal of Marine Science.** 75(6):1975-1983, DOI: 10.1093/icesjms/fsy073

[20] Arostegui MC, Wood CL, Jones IJ, Chamberlin A, Jouanard N, Faye DS, Kuris AM, Riveau G, De Leo GA, and Sokolow SH. 2019. Potential biological control of schistosomiasis by fishes in the lower Senegal River basin. Published on line on the **American Journal of Tropical Medicine and Hygiene**, 100(1):117-126. DOI: https://doi.org/10.4269/ajtmh.18-0469.

[21] Arakala A., C. Hoover, J Marshall, SH Sokolow, G de Leo, J Rohr, J, Remais and M Gambhir 2018. Estimating the elimination feasibility in the 'end game' of control efforts for parasites subjected to regular mass drug administration: methods and their application to schistosomiasis. 2018. **PLOS Neglected Tropical Diseases**. https://doi.org/10.1371/journal.pntd.0006794

[22] Halstead NT, Hoover CM, Arakala A, Civitello DJ, De Leo GA, Gambhir M, Johnson SA Jouanard N, Loerns KA, McMahon TA, Ndione RA, Nguyen K, Raffel TR, Remais JV, Riveau G, Sokolow SH & JR Rohr 2018. Agrochemical pollution increases risk of human exposure to schistosome parasites. **Nature Communications** 9: 837. DOI: 10.1038/s41467-018-03189-w

[23] Susanne Sokolow, Isabel Jones, Merlijn Jocque, Diana La,Olivia Cords, Anika Knight, Andrea Lund, Chelsea Wood, Kevin Lafferty, Christopher Hoover, Phillip Collender, Justin Remais, David Lopez-Carr, Jonathan Fisk, Armand Kuris and Giulio De Leo 2018. More river prawns = less snail fever? **Environmental Science Journal for Teens** (*this is not a peer-reviewed paper*).

[24] Sokolow SH, Chelsea L. Wood, Isabel J. Jones, Kevin D. Lafferty, Armand M. Kuris, Michael H. Hsieh, Giulio A. De Leo. 2017 To Reduce the Global Burden of Human Schistosomiasis, Use 'Old Fashioned' Snail Control. **Trends in Parasitology**, 34(1):23–40.

[25] Mari L., Ciddio M; Casagrandi R; Perez-Saez J; Bertuzzo E; Rinaldo A; Sokolow SH; De Leo GA and M Gatto 2017. Heterogeneity in schistosomiasis transmission dynamics. Accepeted for publications on **Journal of Theoretical Biology. 432: 87–99**

[26] Ngonghala Calistus N, Giulio A. De Leo, Mercedes M. Pascual, Donald C. Keenan, Andrew N. Dobson and Matthew H. Bonds 2017. General ecological models for human subsistence, health and poverty. **Nature Ecology and Evolution**, DOI:10.1038/s41559-017-0221-8.

[27] White, Timothy D., Aaron B. Carlisle, David A. Kroodsma, Barbara A. Block, Renato Casagrandi, Giulio A. De Leo, Marino Gatto, Fiorenza Micheli, Douglas J. McCauley 2017. Assessing the effectiveness of a large marine protected area for reef shark conservation, **Biological Conservation** 207: 64-71

[28] Boch Charles A Steven Y. Litvin, Fiorenza Micheli, Giulio De Leo, Emil A. Aalto, Christopher Lovera, C. Brock Woodson, Stephen Monismith, and James P. Barry 2017 Effects of current and future coastal upwelling conditions on fertilization success of the red abalone (*Haliotis rufescens*). **ICES Journal of marine Science**. doi: 10.1093/icesjms/fsx017

[29] Mari L, Gatto G, Ciddio M, Dia ED, Sokolow SH, De Leo GA, Casagrandi R, 2017. Big-data-driven modeling unveils country-wide drivers of endemic schistosomiasis. Published on line on **Nature Scientific Reports**, DOI:10.1038/s41598-017-00493-1

[30] Jennifer O'Leary1, Fiorenza Micheli, Laura Airoldi, Charles Boch, Giulio De Leo, Robin Elahi, Francesco Ferretti, Nicholas A.J. Graham, Steven Y. Litvin, Natalie H. Low, Sarah Lummis, Kerry J. Nickols, Joanne Wong. 2016 Resilience of Marine Ecosystems to Climatic Disturbances. **BioScience** 67 (3): 208-220. DOI: 10.1093/biosci/biw16

[31] Garchitorena A, Sokolow, Roche B, Ngonghala C, Jocque M, Lund A, Barry M, Mordecai EA, Daily GC, Jones JH, Andrews JR, Bendavid E, Luby SP, LaBeaud AD, Seetah K, Guégan JF, Bonds MH, De Leo GA. 2017. Disease Ecology, Health and the Environment: a framework to account for ecological and socio-economic drivers in the control of neglected tropical diseases. **Philosophical Transactions of the Royal Society B**, 372: 20160128. http://dx.doi.org/10.1098/rstb.2016.0128

[32] Sokolow SH, Isabel J. Jones, Merlijn Jocque, Diana La, Olivia Cords, Anika Knight, Jonathan Fisk, Andrea Lund, Chelsea L. Wood, Kevin D. Lafferty, Armand M. Kuris, Justin Remais, Chris Hoover, Phillip A. Collender, David

Lopez-Carr, and Giulio A. De Leo 2017. Nearly 400 million people are at higher risk of schistosomiasis because dams block the migration of snail-eating river prawns. **Philosophical Transactions of the Royal Society B**. 372: 20160127. http://dx.doi.org/10.1098/rstb.2016.0127

[33] Ciddio M, Mari L, Sokolow SH, De Leo GA, Casagrandi R and M Gatto 2016. The spatial spread of schistosomiasis: a multidimensional network model applied to Saint-Louis region, Senegal. Accepted for publication on **Advanced in Water Resources**.

[34] Elahi R, Sebens K.P. and G.A. De Leo. 2016 Ocean warming and the demography of declines in coral body size. **Marine Ecology Progress Series** 570:147-158. doi: 10.3354/meps11931

[35] Sokolow SH., CL. Wood, IJ. Jones, SJ Swartz, M Lopez, MH Hsieh, KD Lafferty, AM Kuris, C Rickards, GA. De Leo 2016. Global Assessment of Schistosomiasis Control Over the Past Century Shows Targeting the Snail Intermediate Host Works Best. **PLOS Neglected Tropical Diseases**, 10(7):e0004794. doi:10.1371/journal.pntd.0004794

[36] Wood C.L., Lafferty, K.D., De Leo G.A., Young H.S, Hudson P.J. AM. Kuris 2016. Does biodiversity protect humans against infectious disease? Reply, **Ecology**, 97(2), 2016, pp. 542–546

[37] De Leo GA., Dobson AP and G. Gatto 2016 . Body size and meta-community structure: the allometric scaling of parasitic worm communities in their mammalian hosts. **Parasitology**, 143(7): 880-893. DOI: https://doi.org/10.1017/S0031182015001444.

[38] De Leo and Micheli 2015 The good, the bad and the ugly of Marine Reserves for fishery yields. Special issue "Measuring the difference made by conservation initiatives". **Philosophical Transactions or the Royal Society B.** 370:20140276.

[39] Swartz SJ1, De Leo GA, Wood CL and Sokolow SH, 2015 Infection with schistosome parasites in snails leads to increased predation by prawns: implications for human schistosomiasis control. **Journal of Experimental Biology** 218: 3962-3967, 1-6 doi:10.1242/jeb.129221

[40] Perez-Saez J, Mari L, Bertuzzo E, Casagrandi R, Sokolow SH, De Leo GA, Mande T, Ceperley N, Froehlich JM, Sou M, Karambiri H, Yacouba H, Maiga A, Gatto M and A. Rinaldo 2015. A theoretical analysis of the geography of schistosomiasis in Burkina Faso highlights the roles of human mobility and water resources development in disease transmission. **PLOS Neglected Tropical Diseases** on line: 9(10): e0004127. doi:10.1371/journal. pntd.0004127

[41] Lafferty K, De Leo GA, Briggs GJ, Dobson AP, Gross T, AM Kuris 2015. A general consumer-resource population model. **Science**. 349(6250):854-857

[42] Sokolow SH, Huttinger E, Jouanard J, Hsieh M, Lafferty KD, Kuris AM, Riveau G, Senghor S, Thiam C, N'Diaye A, Faye DS, Giulio DeLeo. 2015 Reduced transmission of human schistosomiasis after restoration of a native river prawn that preys on the snail intermediate host. **Proceeding of the National Academy of Science**. 112(31): 9650-9655

[43] Francesco Ferretti, Salvador Jorgensen, Taylor K Chapple, Giulio De Leo and Fiorenza Micheli, 2015. Reconciling predator conservation with public safety. **Frontiers in Ecology and Evolution**, 2015; 13 (8): 412-417

[44] Aalto E, Capoccioni F., Terradez Mas, Schiavina M, Leone C., De Leo GA, and E. Ciccotti 2015. Quantifying 60 years of declining European eel (Anguilla anguilla L., 1758) fishery yields in Mediterranean coastal lagoons. **ICES Journal of Marine Science**, 73(1), 101–110. doi:10.1093/icesjms/fsv084

[45] Rossetto M, Micheli F, Saenz-Arroyo A, Espinoza Montes JA, Giulio A. De Leo. 2015 No-take marine reserves can enhance population persistence and support the fishery of abalone. **Canadian Journal of Fisheries and Aquatic Science**. 72:1-15.

[46] Bevacqua D., Melià , Gatto M, and G.A. De Leo 2015. A global viability assessment of the European eel. **Global Change Biology**. doi: 10.1111/gcb.12972

[47] Claydon JAB, Calosso MC, De Leo GA, Peachey RBJ 2015. Spatial and demographic consequences of nursery-dependence in reef fishes: an empirical and simulation study. **Marine Ecology Progress Series**, 525:171-183. doi:10.3354/meps11245

[48] Rossi G., De Leo G.A., Pongolini S., Natalini S., Vincenzi S. and Bolzoni L. 2015 "Epidemiological modelling for the assessment of bovine tuberculosis surveillance in the dairy farm network in Emilia-Romagna (Italy)". **Epidemics**, 11:62-70

[49] Schiavina, M. Daniele Bevacqua, Paco Melià, Alain J. Crivellid, Marino Gatto, Giulio A. De Leo. 2015 Eel Management Software, a user-friendly tool for the management of European eel fishery and conservation. **Environmental Modelling & Software**, 2015; 64: 9-17

[50] Micheli F. De Leo G, Butner C., Martone RG and Shester G. 2014. A risk-based framework for assessing the cumulative impact of multiple fisheries. Biological Conservation 176:224-235. DOI: 10.1016/j.biocon.2014.05.031

[51] Wood C.L., Lafferty, K.D., De Leo G.A., Young H.S, Hudson P.J. AM. Kuris 2014. Does biodiversity protect humans against infectious disease? **Ecology**, 95(4):817-832.

[52] Micheli, De Leo et al. 2015 A system-wide approach to supporting improvement in seafood production practices and outcomes, **Frontiers in Ecology and the Environment,** 12 (5). DOI:10.1890/110257

[53] Vincenzi S, De Leo G.a., Munari C. and M. Mistri 2014. Rapid estimation of potential yield for data-poor Tapes philippinarum fisheries in North Adriatic coastal lagoons, **Hydrobiologia**, 724(1): 267-277

[54] Bolzoni L, Tessoni V, Groppi M, De Leo GA. 2014. React or wait: optimal culling strategy to control infectious diseases in wildlife. **J Math Biol**. 69:1001–1025

[55] Bolzoni L. and G.A. De Leo. 2013 Unexpected consequences of culling on the eradication of wildlife diseases: the role of virulence evolution. **The American Naturalist**, 181(3):301-313.

[56] Pujolar JM, Schiavina M, Di Franco A, Melià P, Guidetti P., Gatto M, De Leo GA and L Zane 2013. Understanding the effectiveness of marine protected areas using genetic connectivity patterns and Lagrangian simulations. Published on line on **Diversity and Distribution** 19:1531–1542.

[57] Cordioli M., Ranzi A., De Leo G.A. and Lauriola P. 2013. A review of exposure assessment methods in epidemiological studies on incinerators. **Journal of environmental and public health**. Published 2013:129470 DOI: 10.1155/2013/129470 Published: 2013 (Epub 2013 Jun 12)

[58] Cordioli, Michele; Vincenzi, Simone; De Leo, Giulio A. 2013. Effects of heat recovery for district heating on waste incineration health impact: A simulation study in Northern Italy. **Science of the Total Environment,** 444: 369-380 DOI: 10.1016/j.scitotenv.2012.11.079

[59] Rossetto M, De Leo GA, Greenley A, Vazquezc L, Saenz-Arroyoc A, Espinoza Montes JA, Micheli F. 2013. Reproductive potential predicts recruitment rates in abalones. **Journal of Shellfish Research** 32(1):162-169

[60] Quadroni S., Galassi S., Capoccioni F., Ciccotti E. Grandi G., De Leo G.A. and R. Bettinetti 2013. Contamination, parasitism and condition of *Anguilla anguilla* in three Italian stocks. **Ecotoxicology**, 22(1):94-108. DOI 10.1007/s10646-012-1006-0

[61] Ciccotti, E., C. Leone, D. Bevacqua, G. De Leo, L. Tancioni, et al. 2012. "Integrating Habitat Restoration and Fisheries Management: A Small-Scale Case-Study To Support EEL Conservation At the Global Scale". Knowledge and Management of Aquatic Ecosystems (407).

[62] Di Franco A., Coppini G., Pujolar JM, G. De Leo, Gatto M, Lyubartsev V., Melià P., Zane L, Guidetti P. Assessing Dispersal Patterns of Fish Propagules from a Mediterranean Marine Protected Area. 2012 PLOS ONE 7(12): e52108. doi:10.1371/journal.pone.0052108

[63] Micheli F, Saenz-Arroyo A, Greenley A, Vazquez L, Espinoza Montes JA, Rossetto M, and De Leo G.A. 2012. Evidence That Marine Reserves Enhance Resilience to Climatic Impacts. **PLOS One** (7): e40832 DOI: 10.1371/journal.pone.0040832.

[64] Di Franco A., Gillanders B.M., De Benedetto G., De Leo G.A., Guidetti P 2012. Dispersal Patterns of Coastal Fish: Implications for Designing Networks of Marine Protected Areas. PLoS ONE 7(2): e31681, DOI: 10.1371/journal.pone.0031681. doi:10.1371/journal.pone.0031681

[65] Vincenzi S., M Bellingeri e G.A. De Leo 2012 Consequences of extreme events on population persistence and evolution of a quantitative trait. **Ecological Informatics**, 8:20-28, DOI: 10.1016/j.ecoinf.2011.12.001.

[66] Rossetto M, G.A. De Leo, D. Bevacqua and F. Micheli. 2012. Allometric scaling of mortality rates with body mass in abalones. **Oecologia**, 168(4):989-996. DOI 10.1007/s00442-011-2163-1

[67] Vincenzi S, Crivelli AJ, Jesensek D, De Leo GA, 2012. Translocation of stream-dwelling salmonids in headwaters: insights from a 15-year reintroduction experience. **Rev Fish Biol Fisheries**. 22(2):437-455. DOI 10.1007/s11160-011-9235-5

[68] Bevacqua D, Capoccioni F, Melià P, Vincenzi S, Pujolar JM, De Leo GA, Ciccotti C. 2012 Fishery-Induced Selection for Slow Somatic Growth in European Eel, **PLOS One** 7(5) :e37622. doi:10.1371/journal.pone.0037622

[69] De Leo Giulio A. & L. Bolzoni 2012. Getting a free ride on poultry farms: How highly pathogenic avian influenza may persist in spite of its virulence. **Theoretical Ecology**, 5(1):23-35.

[70] Pujolar, J.M, Vincenzi S, Crivelli AJ, Jesensek D, De Leo GA, 2011. The effect of recurrent floods on genetic composition of marble trout populations. **PlosOne**. 6(9):e23822 DOI: 10.1371/journal.pone.0023822

[71] Bevacqua D., M. Andrello, P. Melià, S. Vincenzi, G. A. De Leo, A.J. Crivelli. 2011 Density-dependent and inter-specific interactions affecting European eel settlement in freshwater habitats. **Hydrobiologia** 671(1):259-265. doi. 10.1007/s10750-011-0725-1, .

[72] Vincenzi S, Zucchetta M, Franzoi P, Pellizzato M, De Leo GA. Torricelli P, 2011. Application of a Random Forest algorithm to predict spatial distribution of the potential yield of *Ruditapes philippinarum* in the Venice lagoon, Italy. **Ecological Modelling**, 222(8):1471-1478

[73] Pujolar, J.M., Bevacqua, D., Andrello, M., Capoccioni, F., Ciccotti, E., De Leo, G.A., Zane, L. 2011. No apparent genetic bottleneck in the demographically declining European eel using molecular genetics and forward-time simulations", **Conservation Genetics**. 12(3):813-825.

[74] Vincenzi S, Crivelli AJ, Jesensek D, G Rossi, Giulio A. De Leo 2011. Innocent until proven guilty? Stable coexistence of alien rainbow trout and native marble trout in a Slovenian stream. **Naturwissenschaften**. 98(1):57-66.

[75] Andrello M., Bevacqua D., Maes G.E. and Giulio A. De Leo 2011 An integrated genetic-demographic model to unravel the origin of genetic structure in European eel (*Anguilla anguilla L.*). **Evolutionary Applications.** 4(4):517–533.

[76] Pujolar, J.M., Bevacqua, D., Andrello, M., Capoccioni, F., Ciccotti, E., De Leo, G.A., Zane, L. 2011. Genetic patchiness in European eel adults evidenced by molecular genetics and population dynamics modelling. **Molecular Phylogenetics and Evolution**, 58:198-206. *doi: 10.1016/j.ympev.2010.11.019*

[77] Bevacqua D. Melià P, Giulio A. De Leo & M Gatto 2011. Intra-specific scaling of natural mortality in fish: the paradigmatic case of the European eel. **Oecologia**. 165(2):333-339, DOI 10.1007/s00442-010-1727-9.

[78] Bettinetti R, Galassi S, Quadroni S, Volta P, Capoccioni F, Ciccotti E. & Giulio A. De Leo 2011. Use of *Anguilla anguilla* for Biomonitoring Persistent Organic Pollutants (POPs) in Brackish and Riverine Waters in Central and Southern Italy. **Water Air Soil Pollution**, 217(1-4):321-331, DOI 10.1007/s11270-010-0590-y.

[79] Bevacqua D., Melià P., Follesa M.C., De Leo G.A., Gatto M. and A. Cau 2010 Body growth and mortality of the spiny lobster Palinurus elephas within and outside a small marine protected area. **Fisheries Research**, 106:543-549, doi: 10.1016/j.fishres.2010.10.008

[80] Vincenzi S, Crivelli AJ, Jesensek D, De Leo GA, 2010. Detection of density-dependent growth at two spatial scales in marble trout (*Salmo marmoratus*) populations. **Ecology of Freshwater Fish**. 19(3):338–347. DOI: 10.1111/j.1600-0633.2010.00416.x

[81] Vincenzi S, Crivelli AJ, Jesensek D, De Leo GA, 2010. Individual growth and its implications for the recruitment dynamics of stream-dwelling marble trout (*Salmo marmoratus*). **Ecology of Freshwater Fish**. Volume 19(3): 477–486. DOI: 10.1111/j.1600-0633.2010.00441.x.

[82] Costello C. A. Rassweiler, D. Siegel, G.De Leo, F. Micheli and A. Rosenberg 2010. The value of spatial information in MPA network design. **PNAS**. 107: 18294-18299, doi: 10.1073/pnas.0908057107

[83] Vincenzi S., A. J. Crivelli, D. Jesensek, G.A. De Leo, 2010. The management of small, isolated salmonid populations: do we have to fix it if it ain't broken? **Animal Conservation**, 13(1):21–23. DOI: 10.1111/j.1469-1795.2009.00292.x

[84] Pujolar J. M., D. Bevacqua, F. Capoccioni, E. Ciccotti, G. A. De Leo and L. Zane 2009. Genetic variability is unrelated to growth and parasite infestation in natural populations of the European eel (*Anguilla anguilla*). **Molecular Ecology**, 18:4604–4616 (10.1111/j.1365-294X.2009.04390.x).

[85] Bevacqua D., G. A. De Leo, M. Gatto and P. Melià 2009. Size selectivity of fyke nets for European eel (*Anguilla anguilla L.*). **Journal of Fish Biology** 74:2178–2186. *(IF 2007 1.40 ranking B: 15/40 in Fisheries)*

[86] Pujolar J, De Leo G, Zane L. 2009. Genetic Composition of Atlantic and Mediterranean populations of European Eel (*Anguilla anguilla*) based on EST-linked Microsatellite Loci. **Journal of Fish Biology**, 74:2034–2046. *(IF 2007 1.40 ranking B: 15/40 in Fisheries)*

[87] S.Vincenzi, A. J. Crivelli, D. Jesensek, G.A. De Leo, 2008. Total population density during the first year of life as a major determinant of lifetime body-length trajectory in marble trout. **Ecology of Freshwater Fish**. 17: 515–519 DOI: 10.1111/j.1600-0633.2008.00309.x (*IF 1.206 RANKING 18/40 in FISHERIES)*

[88] Bolzoni L, Gatto M, Dobson AP and GA De Leo 2008. Allometric scaling and seasonality in the epidemics of wildlife diseases. **American Naturalist,** 172(6): 818-828. DOI: 10.1086/593000 *(IF 4.543, ranking A: 9/116 in Ecology)*

[89] Lafferty K.D...., G. De Leo et al. 2008. Parasites in food webs: the ultimate missing links. **Ecology Letters** 11:533-546. *(IF 8.2, ranking A: 4/116)*

[90] Vincenzi S., A. J. Crivelli, D. Jesensek, J.F. Rubin, G.A. De Leo 2008. The role of density-dependent individual growth in the persistence of freshwater salmonid populations. **Oecologia**, 156:523-534 *(IF 2.973 ranking A: 28/116 in Ecology)*

[91] Bolzoni L, Gatto M, Dobson AP and GA De Leo 2008. Body-size scaling in an SEI model of wildlife diseases. **Theoretical Population Biology**. 73:374-382 *(IF 1.950, ranking B: 48/116 in Ecology).*

[92] Vincenzi S, A. J. Crivelli, D. Jesensek, J.F. Rubin, G.A. De Leo, 2008. Potential factors controlling the population viability of newly introduced endangered marble trout populations. **Biological Conservation**. 141: 198-210*. (IF 3.296 ranking A: 21/116 in Ecology)*

[93] Bevacqua D., P. Melià, A. J. Crivelli, M. Gatto and G. A. De Leo 2007. Multi-objective assessment of conservation measures for the European eel (*Anguilla anguilla*): an application to the Camargue lagoons. **ICES Journal of Marine Science.** 64: 1483-1490*. (IF 2007 1.93 ranking A: 6/40 in Fisheries)*

[94] Vincenzi S, G. Caramori, R. Rossi, G. A. De Leo 2007. A comparative analysis of three habitat suitability models for commercial yield estimation of *Tapes philippinarum* in a North Adriatic coastal lagoon (Sacca di Goro, Italy). **Marine Pollution Bulletin** , 55(10):579-590 *(IF 2.334 ranking A: 13/86 in Marine & Freshwater Biology).*

[95] Bolzoni L, Real L, De Leo G. 2007. Transmission heterogeneity and control strategies for infectious disease emergence. **PLoS ONE 2**(8): e747 (IF 5.68)

[96] Bolzoni L, De Leo G. 2007. A cost analysis of alternative culling strategies for the eradication of classical swine fever in wildlife. **Environment and Development Economics 12**(5): 1-20 *(IF 0.595, ranking C: 40/52 in Environmental Studies)*.

[97] Vincenzi S, Crivellì AJ, Jenseken D, Rubin JF e GA De Leo 2007. Early survival of marble trout *Salmo marmoratus*: evidence for density dependence? **Ecology of Freshwater Fish**, 16: 116-123 *(IF 1.206 ranking B: 18/40 in Fisheries).*

[98] Vincenzi S, Crivellì AJ, Jenseken D, Rubin JF e GA De Leo. 2007 Density-dependent individual growth of marble trout (*Salmo marmoratus*) in the Soca and Idrica river basins, Slovenia. **Hydrobiologia** 583:57-68 *(IF 1.201 ranking B: 41/86 in Marine & Freshwater Biology)*.

[99] Vincenzi S, G. Caramori, R. Rossi e G.A. De Leo 2006 Estimating clam yield potential in the Sacca di Goro lagoon (Italy) by using a two-part conditional model. **Aquaculture** 261: 1281-1291 *(IF 1.735 ranking A: 7/40 in Fisheries)*.

[100] Bevacqua D., P. Melià, A. J. Crivelli, G. A. De Leo and M. Gatto 2006. Timing and rate of sexual maturation of European eel in brackish and freshwater environments **Journal of Fish Biology** 69:200-208 *(IF 2007 1.40 ranking B: 15/40 in Fisheries)*

[101] Carletti A. De Leo G. e I. Ferrari 2006. A Preliminary Coastal Wetland Assessment Procedure: Designing and Testing an Environmental Sustainability Index for Mediterranean Lagoons. **Chemistry & Ecology** 22:S15 - S35 *(IF2007 0.475, ranking C 103/116 in Ecology).*

[102] Melià P., D. Bevacqua, A. J. Crivelli, J. Panfili, G. A. De Leo & M. Gatto 2006. Sex differentiation of the European eel in brackish and freshwater environments: a comparative analysis. **Journal of Fish Biology** 69, 1228-1235 *(IF 2007 1.40 ranking B: 15/40 in Fisheries)*.

[103] Hilborn, R. Micheli F. and De Leo G. 2006 Integrating marine protected areas with catch regulation. **Canadian Journal of Fisheries and Aquatic Science**, 63:642-649 *(IF2007 2.058, ranking A: 4/39 in Fisheries).*

[104] Melià P., D. Bevacqua, A. J. Crivelli, De Leo G., J. Panfili, and M. Gatto 2006. Age and growth of the European eel *Anguilla anguilla* in the Camargue lagoons. **Journal of Fish Biology,** 68:876-890 (ISSN: 0022-1112) *(IF 2007 1.40 ranking B: 15/40 in Fisheries)*.

[105] Vincenzi S., G. Caramori, R. Rossi e G.A. De Leo 2006. A GIS-based Habitat Suitability model for commercial yield estimation of *Tapes philippinarum* in a Mediterranean coastal lagoon (Sacca di Goro, Italy). **Ecological Modelling**, 193:90-104. *(IF 2,077, ranking B: 46/116 in Ecology)*

[106] Carletti A., De Leo G.A., Ferrari I., 2004. A critical review of representative wetland rapid assessment methods in North America. **Aquatic Conservation: Marine and Freshwater Ecosystems.**14:S103–S113. *(IF 1.240, ranking 39/86 in Marine and Freshwater biology)*

[107] Melià P, De Leo GA, Gatto M. 2004. Density and temperature-dependence of vital rates in the Manila clam *Tapes philippinarum*: a stochastic demographic model. ***Mar Ecol Prog Series***, 272:153-164 (IF2007 2.546, ranking 8/86 in Marine and Freshwater biology

[108] De Leo G.A., Guberti V. 2003. Effetti dell'abbattimento Controllato sulla Evoluzione della Virulenza: il caso della Peste Suina Classica. ***Journal of Mountain Ecology***, 7 (Suppl.): 107- 118

[109] Cellina F., G.A. De Leo, A. Rizzoli, P. Viaroli, M. Bartoli. 2003 Ecological modelling as a tool to support macroalgal bloom management: a case study (Sacca di Goro, Po river delta). ***Oceanologica Acta***, 26:139-147

[110] De Leo G. A., Bartoli M., Naldi M., Viaroli P. 2002.A first generation stochastic bioeconomic analysis of algal bloom control in a coastal lagoon (Sacca of Goro, Po river Delta). ***Marine Ecology***, 23(supplement):92-100.

[111] Gatto, M., A. Caizzi, L. Rizzi, and G. A. De Leo. 2002. The Kyoto Protocol is cost-effective. ***Conservation Ecology*** 6(1): r11. [online] URL: http://www.consecol.org/vol6/iss1/resp11

[112] De Leo G.A., Rizzi L., Caizzi A e Gatto, M. 2001. The economic benefit of Kyoto Protocol. ***Nature***, 413:478-479.

[113] De Leo G.A. e Gatto, M. 2001. Pricing Biodiversity and Ecosystem Services. Response from Gatto and De Leo to Pimentel comments. ***Bioscience, 5****1 (4): 271-272*

[114] De Leo G.A. e Gatto, M. 2001. A stochastic bioeconomic analysis of silver eel fisheries. ***Ecological Applications,*** *11(1): 281-294*

[115] Gatto M. and De Leo, 2000. Pricing biodiversity and ecosystem services: the never ending story. ***Bioscience,*** 50:347-355.

[116] Ranci Ortigosa, G., G.A. De Leo, M. Gatto. 2000. VVF: integrating modelling and GIS in a software tool for habitat suitability assessment. ***Environmental Modeling & Software***, 15: 1-12.

[117] Paris G., G.A. De Leo, P. Menozzi, M.Gatto, 1998. Region-based citation bias in science. ***Nature***. 396:210.

[118] De Leo G.A., G. Paris, P. Menozzi, M. Gatto, 1998. Spotlight Needed on Italian Policy. ***Nature***, 391:12.

[119] De Leo G.A., M.Gatto, 1998. "Interspecific competition among macroparasites in a density-dependent host population". ***Journal of Mathematical Biology***, 37:467-490.

[120] Lampo M., G.A. De Leo, 1998. "The invasion ecology of the toad *Bufo marinus*: from South America to Australia", ***Ecological Applications***, 8(2):388-396.

[121] Peterson G., G.A. De Leo, J.J. Hellmann, M.A. Janssen, A. Kinzig, J.R.Malcolm, K.L. O'Brien, S.E. Pope, D.S. Rothman, E. Shevliakova, and R.R.T.Tinch, 1997. Uncertainty, Climate Change, and Adaptive Management ***Conservation Ecology***, Volume 1(2):Forum.

[122] Peterson G., S. Pope, G.A. De Leo, M. Janssen, J. Malcolm, J. Parody, G. Hood, and M. North, 1997. "Ecology, Ethics, and Advocacy". ***Conservation Ecology***, Volume 1(1):Forum.

[123] De Leo G.A., Simon Levin, 1997. "The Multifaceted Aspects of Ecosystem Integrity." ***Conservation Ecology***, Volume 1(1):3.

[124] De Leo G.A., M. Gatto, 1996. "Modelling and Managing European Eels of the Valli di Comacchio Lagoons", ***Italian Journal of Applied Statistics – Statistica applicata***, 8(1):229-239.

[125] De Leo G.A., M. Gatto, 1996. "Trends in vital rates of the European eel: evidence for density dependence?", ***Ecological Applications***, 6(4):1281-1294.

[126] De Leo G.A., A.P.Dobson, 1996. "Allometry and Simple Epidemic Models for Microparasites", ***Nature***, 379:720-722.

[127] De Leo G.A., M. Gatto, 1995. "A Size and Age Structured Model of the European Eel (*Anguilla anguilla* L.)", ***Canadian Journal of Fisheries and Aquatic Sciences***, 52: 1351-1367.

[128] De Leo G.A., L. Del Furia, G. Guariso, 1994. "Management of Subsurface Water bodies: a Computer Aided Approach to Model Choice and Implementation ", ***Journal of Environmental Management***, 42:137-159.

[129] De Leo G.A., I. Ferrari, 1993. "Disturbance and Diversity in a River Zooplankton Community: A Neutral Model Analysis", ***Coenoses: The interdisciplinary journal reporting progress in community and population studies***, 8:121-129.

[130] De Leo G.A., L.Del Furia, M.Gatto, 1993. "The Interaction Between Soil Acidity and Forest Dynamics: A Simple Model Exhibiting Catastrophic Behavior", ***Theoretical Population Biology***, 43:31-51.

BOOK CHAPTERS

[131] Bal-Horin T, Bidegain G., De Leo G., Groner ML, Hofmann EF, McCallum H., 2020. Modeling Disease in the Sea. Chapetr 12 in " Marine Disease Ecology textbook", edited by Donald C. Behringer, Brian R. Silliman, and Kevin D. Lafferty. Oxford University Press.

[132] Jones et al. "Ecological control of schistosomiasis in Sub-Saharan Africa: restoration of predator-prey dynamics to reduce transmission". Book chapter ***in*** "**Ecology and Evolution for the Control of Infectious Diseases in Low-Income Countries: Broadening the Scope for Public Health Management**". Accepted for publications (May 2018)

[133] Micheli, F., G. De Leo, F. Ferretti, A.M. Hines, K. Honey, K. Kroeker, R. G. Martone, D. McCauley, J. O'Leary, D. Rosim, S. Sokolow, A. Stock, C. Wood. 2015. Ocean Health. Invited chapter in "Handbook of Ocean Resources and Management", edited by T. Agardy, H. Smith, and J. L. Suarez de Vivero. Earthscan, UK.

[134] De Leo GA and Wood CL. 2012. Disease dynamics. In: Encyclopedia of Theoretical Ecology (A Hastings and L Gross, eds). Berkeley, CA: University of California Press. pp. 179-87

[135] ZALDIVAR J.M., AUSTONI M., PLUS M., DE LEO G.A., GIORDANI G., VIAROLI P. 2010. Indicators for the management of coastal lagoons: sacca di Goro case study. Pp 357389 in Jørgensen S., Xu L., Costanza R., Handbook of Ecological Indicators for Assessment of Ecosystem Health, CRC Press, Taylor & Francis Group, Boca Raton, USA..

[136] De Leo G., Melià P, Crivelli A.J., and Gatto M. 2009 Eel Population Modeling and its Application to Conservation Management. In Casselman, J.M., and D.K. Cairns (eds.): Pp. 329-347 in J.M. Casselman and D. K. Cairns (eds.). Eels at the edge: science, status, and conservation concerns. American Fisheries Society Symposium no. 58. Bethesda, Maryland..

[137] Bevacqua D., P. Melià, A. J. Crivelli, M. Gatto and G. A. De Leo. 2009. Assessing Management Plans for the recovery of the European eel (*Anguilla anguilla*): a need for multi-objective analyses. Pp: 69:637–647 In Haro, A.J. et al. (Eds.) Challenges for Diadromous Fishes in a Dynamic Global Environment. American Fisheries Society Symposium 69. Bethesda, Maryland.

[138] Gatto M., A. Zingone, G. Fiorese, G. De Leo 2009. La biodiversità nell'era dei cambiameni climatici: un'eredità da salvaguardare. Pp. 295-336 in: Castellari S. e V. Artali (a cura di) I cambiamenti Climatici in italia: evidenze, vulnerabilità e impatti. Bononia University Press ISBN 978-88-7395-484-2, Bologna pp 590.

[139] De Leo G. (2008). La scienza ha fatto chiarezza, ora dobbiamo agire. Pp. 10-11 in "Progetto Kyoto Lombardia", vol.50 della collana "Ricerche&Risultati" della Fondazione Lombardia per l'Ambiente, Milano.

[140] De Leo G., Gatto M, Giulia, Fiorese, Federico Beffa, Alessandra Goria (2008). Le conseguenze dei cambiamenti climatici sull'uomo, sugli ecosistemi su sistema economico, sul turismo. Pag. 111-180 in "Progetto Kyoto Lombardia", vol.50 della collana "Ricerche&Risultati" della Fondazione Lombardia per l'Ambiente, Milano.

[141] Gatto M., G. Fiorese, G.A. De Leo (2008). Regional impacts of global climate change on ecosystems: an analysis of the Lombardy (Northern Italy) case. Pp 71-90 in "Global climate change and the ecology of the next decade" (eds. G. Santangelo e L. Fronzoni), Edizioni ETS, Pisa

[142] De Leo G.A. and M. Gatto 2008 . Cutting CO2 Emissions in the Atmosphere: A Realistic Goal or a Mere Utopian Ideal? Cap. 17, pag. 257-268 in Colin L. Soskolne (ed.).: "Sustaining Life on Earth: Environmental and Human Health through Global Governance", pag. 459, New York, Lexington Books

[143] Zaldıvar J.M., Austoni M., Plus M., De Leo G.A., Giordani G., and Viaroli P., 2004. Ecosystem Health Assessment and Bioeconomic Analysis in Coastal Lagoons. Chapter 6 in Sven Jorgensen (ed.), Handbook of Ecological Indicators for Assessment of Ecosystem Health, Nov. 2004, CRC Press ISBN 1566706653

[144] De Leo G.A., M.Gatto, A.Caizzi, F.Cellina 2002. The ecological and economic consequences of Global climate change ***Recent Research development in Biotechnology and Bioengineering***, Special issue: Biotechnology and Bioengineering of CO2 fixation, 163-183.

[145] De Leo G. A., A.P. Dobson. "Virulence Management in Wildlife Populations". Pag. 413-424 in "Virulence Management: the Adaptive Dynamics of Pathogen-Host Interactions", U.Diekmann, J.A. Metz, M.W. Sabelis e K. Sigmund (eds) IIASA, Austria, 2002, Cambridge University Press

[146] De Leo G. A., A.Goodman, A.P. Dobson. "Wildlife Perspective on the Evolution of Virulence". Pag. 26-38 in "Virulence Management: the Adaptive Dynamics of Pathogen-Host Interactions", U.Diekmann,J.A. Metz, M.W. Sabelis e K. Sigmund (eds) IIASA, Austria, 2002, Cambridge University Press

[147] Ewald P., G. A. De Leo "Alternative Transmission Mode and the Evolution of Virulence". Pag. 10-25 in "Virulence Management: the Adaptive Dynamics of Pathogen-Host Interactions", U.Diekmann,J.A. Metz, M.W. Sabelis e K. Sigmund (eds) IIASA, Austria, 2002, Cambridge University Press

[148] Roberts, Dobson, Arneberg, De Leo, Krecek, Manfredi, Lanfranchi e Zaffaroni. Parasite Community ecology and biodiversity. Pp. 63-82 in The Ecology of Wildlife Disease, a cura di Hudson, Rizzoli, Grenfell, Heesterbeek e Dobson, 2002, Oxford University Press, Oxford.

[149] Gatto M. e G.A. De Leo. Lemmi sulla Sostenibilità dello Sviluppo per l'Enciclopedia Multimediale Rizzoli Larousse. 1: Valutazione di Impatto Ambientale; 2) Indicatori Ecologici; 3) Indicatori macroeconomici di benessere; 4) Gestione Ambientale d'Impresa, Maggio 2001

[150] De Leo G.A., M. Gatto e P. Menozzi, "Principi di dinamica delle popolazioni". In "Ecologica Applicata", a cura di Marchetti, Provini e Galassasi, Clup, 1998.

[151] De Leo G.A., L. Del Furia, R. Paolucci, "*Piogge acide ed ecosistemi forestali*", in "Modelli per la previsione e la gestione della qualità dell'aria", a cura di G. Finzi, CUSL, 1988

PAPERS ON ITALIAN JOURNALS

[152] Fiorese, De Leo, Gatto 2008 Impatti dei cambiamenti climatici in Lombardia. ***AEIT*** 11:12-19

[153] De Leo 2008. Valutazione delle Esternalità connesse alla produzione di energia. *Oxygen*, pp. xx.

[154] De Leo G. 2005. Perché Kyoto conviene. **Il Suolo**, num.1-3 Dicembre 2005. Associazione Italiana Pedologi. URL: http://www.aip-suoli.it/bollettino/n1-3a05/n1-3a05_06.htm

[155] De Leo G.A., F.Del Forte, e A.Mantovani 2003. La gestione della qualità negli studi di VIA e nell'Agenda 21 Locale. **Valutazione Ambientale**, 3:5-8.

[156] Caizzi A., M. Gatto, L. Rizzi e G.A. De Leo 2002. Benefici Economici del Protocollo di Kyoto. ***AEI***, 89:34-41.

[157] De Leo G.A., L.Rizzi, A.Caizzi, 2001. Costi e benefici economici delle fonti rinnovabili. ***Automazione e Strumentazione***. Luglio/Agosto. Anno XLIX 7:89-95.

[158] De Leo G.A., La biodiversità in numeri, ***Equilibri: Rivista per lo Sviluppo Sostenibile***, 1997, 2:237-243.

[159] Caratti P., G.A. Deleo., P. Girardi e Tintinelli. Diesel e benzina : Prestazioni ambientali a confronto. ***Ambiente, Risorse e Salute***, Luglio 1999.

[160] De Leo G.A., L.Del Furia, C. Gandolfi, "Modellistica delle acque sotterranee con un sistema di supporto informatico integrato", ***Quaderni di Geologia Applicata***, 1/1994: 175-185.

BOOKS

[161] De Leo G.. Fiorese G. and Guariso G.. "Energia e Salute della Terra", 220pp, Fondazione Achille e Giulia Boroli, Milano, Dec. 2009. Distributed in 40 thousands copies in high schools.

[162] Casagrandi R., G.A. De Leo, M. Gatto. "101 Problemi di Ecologia" McGraw-Hill, Milano, 2002

[163] De Leo G.A., G. Paris, M. Gatto. 1999. Il "Chi è" della Ricerca Ambientale in Italia: Valutazione statistica della produzione scientifica italiana nel settore ambientale. FLA. Milano, 183 pp.

[164] Calori G., G.A. De Leo, L. Del Furia e G. Guariso. "100 programmi per l'Ambiente". CittàStudi Edizioni, Milano, 1997

[165] De Leo G.A., L. Del Furia, C. Gandolfi, G. Guariso, "*GMT - Groundwaters Managers' toolkit*", CLUP, Milano, 1991

[166] De Leo G.A., L. Del Furia, G. Guariso, "*IDRO-3 . Analisi della piezometria e della sua evoluzione a seguito di prelievi*", CLUP, Milano, 1987

PROCEEDINGS

[167] Vincenzi S, A. J. Crivelli, G. A. De Leo, 2007. Analisi demografica di popolazioni di trota marmorata (Salmo marmoratus) nel bacino dei fiumi Soca e Idrijca (Slovenia). Atti del XV congresso della S.It.E.

[168] Fiorese G., Gatto M., Ranci Ortigosa G. & De Leo G. (2006). Scenari futuri di impatto dei cambiamenti climatici globali tramite l'applicazione di modelli di vocazionalità faunistica ad ungulati alpini. *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/Fiorese-297.pdf

[169] Fiorese G., Bevacqua D., Bolzoni L., De Leo G. & Gatto M. (2006). Quadro sinottico degli impatti dei cambiamenti climatici sulla regione Lombardia. *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/Fiorese-292.pdf

[170] De Leo G. Parelli M. e Gaburro F. Analisi comparata delle Dichiarazioni Ambientali delle organizzazioni registrate EMAS in Italia. *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/De-Leo-306.pdf

[171] Bevacqua, Melià, Crivelli, De Leo & Gatto (2006). Un modello di accrescimento con differenziazione sessuale per l'anguilla europea (Anguilla anguilla). In Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/Bevacqua-246.pdf

[172] Fornari, Bevacqua & De Leo (2006). Cambiamenti climatici a livello locale: stima economica del danno da alluvioni sul sistema delle infrastrutture lombarde. *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/Bevacqua-299.pdf

[173] Vincenzi, De Leo & Crivelli (2006). Analisi demografica di popolazioni di trota marmorata (*Salmo marmoratus*) nel bacino del fiume Soca (Slovenia). *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/Vincenzi-281.pdf

[174] De Leo (2006). Un'Analisi Costi/Benefici socio-abientali dell'obbligo di accensione dei fari anabbaglianti secondo il nuovo codice della strada. *In* Ecologia. Atti del XV Congresso Nazionale della Società Italiana di Ecologia (Torino, 12-14 settembre 2005) a cura di Claudio Comoglio, Elena Comino, e Francesca Bona [online] URL: http://www.xvcongresso.societaitalianaecologia.org/articles/De-Leo-305.pdf

[175] Bevacqua D, P. Melià, A. J. Crivelli, G. A. De Leo, M. Gatto. "Un modello di accrescimento con differenziazione sessuale per l'anguilla europea (Anguilla anguilla). Atti del XV Congresso SItE. Torino 12-15 settembre 2005 http://www.xvcongresso.societaitalianaecologia.org/atti/

[176] Fornari M, D. Bevacqua, G. A. De Leo."Cambiamenti climatici a livello locale. Stima del danno generato da aventi alluvionali al sistema delle infrastrutture lombardo. Atti del XV Congresso SItE. Torino 12-15 settembre 2005. http://www.xvcongresso.societaitalianaecologia.org/atti/

[177] Fiorese G., D. Bevacqua, L. Bolzoni, G. A. De Leo, M. Gatto."Quadro sinottico degli impatti dei cambiamenti climatici sulla regione Lombardia." Atti del XV Congresso SItE. Torino 12-15 settembre 2005 http://www.xvcongresso.societaitalianaecologia.org/atti/

[178] Vincenzi S, G.A De Leo, R.Rossi, G.Caramori, 2006. Sviluppo di un modello di vocazionalità per la stima della produzione commerciale di Tapes philippinarum nella Sacca di Goro (Italia). Atti del XIV congresso della S.It.E.

[179] De Leo G.A.. 2005. Perché Kyoto conviene. Atti del convegno: Protocollo di Kyoto: il ruolo del suolo nella cattura della CO2 atmosferica. IL SUOLO, bollettino dell'Associazione Italiana Pedologi. http://www.aip-suoli.it/bollettino/n1-3a05/n1-3a05_06.htm

[180] Cellina F. e G.A. De Leo, 2004. I modelli per la valutazione delle politiche di riduzione delle emissioni di gas clima-alteranti: una rassegna preliminare. Atti del XII Congresso Nazionale della Società Italiana di Ecologia, 16-18 Settembre 2002. Urbino. S.It.E Atti XVI 2004 CD-ROM e url: http://www.dsa.unipr.it/SITE/pubblicazioni/attiXII/content/c4.pdf

[181] De Leo G.A., V. Guberti 2004. Effetti dell'abbattimento controllato sulla evoluzione della virulenza: il caso della peste suina classica. Atti del XII Congresso Nazionale della Società italiana di Ecologia, 16-18 Settembre 2002, Urbino. S.It.E Atti XVI 2004 CD-ROM e url: http://www.dsa.unipr.it/SITE/pubblicazioni/attiXII/content/d4.pdf

[182] Carletti, De Leo, Ferrari 2004. Sviluppo e applicazione di un metodo di valutazione rapida per il monitoraggio della funzionalità ecologica di zone umide costiere di area mediterranea. Atti del XIII Congresso Nazionale della SitE, "ECOLOGIA QUANTITATIVA:metodi sperimentali, modelli teorici, applicazioni" Como, 8-10 Settembre 2003. S.It.E Atti XVII 2004 CD-ROM e url: http://www.xiiicongresso.societaitalianaecologia.org/atti/index.htm.

[183] De Leo G., Amadei P., Gaburro F., Catenacci M. Fattori di successo nella diffusione dei sistemi di gestione ambientale: il caso della Lombardia. Atti della VIII Conferenza nazionale delle Agenzie per l'Ambiente, Genova 5-9 Luglio 2004.

[184] Simone V., De Leo G., Rossi R., Caramori G. 2004. Sviluppo di un modello di vocazionalità per la stima della produzione commerciale di *Tapes philippinarum* nella Sacca di Goro (Italia). Atti del XIV Congresso Nazionale della Società Italiana di Ecologia, Siena 4-6 Ottobre 2004. In press.

[185] Dell'Aringa S., Brivio F., De leo G. e Rodriguez JP 2004. Valutazione dello sfruttamento delle risorse ittiche nello Stato di Nueva Esparta. Atti del XIV Congresso Nazionale della Società Italiana di Ecologia, Siena 4-6 Ottobre 2004. In press.

[186] De Leo G.A., 2004. Previsione dell'impatto sulla salute umana generato dall'Inceneritore di Trezzo sull'Adda: un'analisi epidemiologica sulla base della metodologia utilizzata dall'OMS "per le 8 città". Atti del XII Congresso Nazionale della Società Italiana di Ecologia, 16-18 Settembre 2002, Urbino. S.It.E Atti XVI 2004 CD-ROM e url: http://www.dsa.unipr.it/SITE/pubblicazioni/attiXII/content/d5.pdf

[187] De Leo G.A., R.Gafà, F.Gaburro e P.Amadei. Luci ed ombre di EMAS a dieci anni dal regolamento 1836/93: quali prospettive per il futuro?. Atti del 9° Convegno di Igiene Ambientale Corvara (BZ), Marzo 2003

[188] De Leo G.A. e L. Pastore 2003. Finalità e aspetti innovativi della direttiva 96/61/ce sulla prevenzione e riduzione integrata dell'inquinamento. Atti del convegno scientifico L'autorizzazione Ambientale Integrata (IPPC): Aspetti Normativi E Tecnici, organizzato dal Gruppo Scientifico Studi e Ricerche, Milano, Istituto Milanese Martinitt, 26 Marzo 2003

[189] De Leo G.A., F.Gaburro, P.Amadei, e R.Gafà. "Innovazione tecnologica: semplificazioni normative ed agevolazioni fiscali per le imprese certificate EMAS ed ISO14001". Atti del Convegno "Emergenze ambientali & sviluppo eco-compatibile dell'industria metallurgica. Impatto ambientale: il presente e le prospettive future." Associazione Industriali di Brescia, Provincia di Brescia, 12 Giugno 2003.

[190] Melià P., G..A. De Leo, M. Gatto 2003. Un modello gestionale per *Tapes philippinarum* nella Sacca di Goro. S.It.E Atti XIV-2003- Pag. 11-17.

[191] De Leo G.A., A. Agosta Del Forte e F. Mantovani 2004. Agende 21 Locali fra mito e (dura) realtà: una proposta metodologica di Gestione della Qualità. Atti del XII Congresso Nazionale della Società Italiana di Ecologia, 16-18 Settembre 2002, Urbino. S.It.E Atti XVI 2004 CD-ROM e url: http://www.dsa.unipr.it/SITE/pubblicazioni/attiXII/content/d3.pdf

[192] Cellina, F., G. A. De Leo, M. Bartoli, P. Viaroli 2002. *The control of algal bloom damages to clam yield in a North Adriatic coastal lagoon (Sacca di Goro, Italy)*, Proceedings of the Conference iEMSs 2002, Lugano, Switzerland, vol. 3, 479- 484.

[193] Ferrari, I. R. Antonietti, G. De Leo, G. Rossetti. P. Viaroli e D. Welsh. 2002 Conoscenze ecologiche di base pere la delineazione di un piano nazionale per la conservazione delle zone umide. Atti del Convegno Nazionale sulle Zone Umide, Ministero dell'Ambiente, Roma, 14 dic. 2001.

[194] Atzori, Belvisi, Boeri, D'Elia, De Leo, Lanzi, Matrone, Pini, Sieghel. Lo stato di attuazione di VIA/VAS/IPPC. Atti del convegno nazionale delle agenzie per l'ambiente, Sessione tematica: Valutazione, Tropea, Novembre 2002

[195] De Leo G.A.. The song of the Sirens: weaknesses and risks of an easy going education in Environmental Science and Management. 6th International auDes Conference "Bridging Minds & Markets. Venezia, 4-6 Aprile 2001, pag. 284-288.

[196] Cattadori I.M., G.A. De Leo, S. Focardi, M. Gatto "Modelling the decline of grey partridge in Europe" IV Congresso nazionale della Società Italiana di Biometria, Rimini, 13-15 Giugno 2001. pp.5-8

[197] Lanzi E., De Leo, G., autori vari. I nuovi strumenti della prevenzione: le procedure di VIA, IPPC e VAS**.** Atti della 5° Conferenza nazionale delle agenzie per l'ambiente. Bologna 17-19 Dicembre 2001.

[198] Grosso M., Gianluca Crapanzano , Paolo Greco, Giulio A. De Leo 2001. Analisi degli Effetti sulla Salute delle Emissioni Atmosferiche di un Impianto di Termoutilizzazione di RSU due Metodologie a Confronto. S.It.E Atti XV 2001, Italia, CD-ROM.

[199] De Leo Giulio, Golferini Marco, Busani Graziano, Capuano Fabrizia, 2001. l'Impronta Ecologica del distretto ceramico di Sassuolo. S.It.E Atti XV 2001, Italia, CD-ROM.

[200] De Leo G.A, E. Caprile, M. Gobetti, R. Maja, M. Sacchi, 2001. Stima economica dei danni socio-ambientali generati dal sistema della mobilità nell'area urbana milanese. S.It.E Atti XXV 2001, Italia, CD-ROM.

[201] De Leo G.A., M.Gatto, G. Ranci-Ortigosa. "*Un prototipo di sistema informativo territoriale per la valutazione della vocazionalità faunistica di aree alpine.*", Atti della S.It.E. 1997.

[202] De Leo G.A., M.Gatto, P.Menozzi, G.Paris. **"***Fifteen years of environmental research in Italy: an analysis of international publications produced between 1981-1995*", Atti della S.It.E. 1997.

[203] De Leo G.A., M.Gatto. "*Model of optimal body size in parasites of wild mammals*". Atti della S.It.E., Napoli, 10-15 Settembre 1996, 577-580.

[204] De Leo G.A.. *Ambiente e Sviluppo: una frontiera per la sostenibilità all'inizio del terzo millennio*. Atti del Convegno Laboratorio di Urbanistica: studi per la legge Regionale (a cura di G. De Marchi), pag. 107-118, 2000

[205] De Leo G.A., Rizzi L., Caizzi A. - *Environmental externalities and industrial costs of energy production: which future for renewable resources*? Atti del 29ª edizione del convegno internazionale BIAS: Automation and Decision Making 2000, 8 Novembre 2000, pp. 247-256.

[206] De Leo G.A., M. Gatto "*Modeling and managing European eels of the Valli di Comacchio lagoons*" Congresso della Società Italiana di Biometria, Cortona, 16-17 giugno 1995.

[207] De Leo G.A., M. Gatto, "*Il Ciclo Vitale delle Anguille (Anguilla anguilla L.) nelle Valli di Comacchio: un Modello per Classi di Età e di Lunghezza*" in Biologia Marina, suppl. Notiz. XXIII Congresso della Società Italiana di Biologia Marina, Ravenna, 8-12 Giugno, 1992, **1**:223-227.

[208] De Leo G.A., L.Del Furia, C.Gandolfi, G.Guariso, "*Models and Data Integration for Groundwater Decision Support Systems*", atti della VIII International Conference on Computational Methods in Water Resources, Venezia, 11-15 Giugno 1990.

[209] De Leo G.A., L.Del Furia, C.Gandolfi, G.Guariso, "*Un supporto informatico per la protezione e la gestione delle acque sotterranee: il programma GMT*", atti del 1° Convegno Nazionale sulla Protezione e Gestione delle Acque Sotterranee, Marano sul Panaro, Modena, 20-22 Settembre 1990.

[210] De Leo G.A., M.Gatto & L.Ghezzi, "*Taxes and dynamics of overexploited open-access fisheries*", atti del 25th European Marine Biology Symposium, Marine Eutrophication and Population Dynamics, 1990, 317-332..

[211] De Leo G.A., L.Del Furia, M.Gatto, "*L'influenza dell'acidità del suolo sulla dinamica delle foreste: un semplice modello concettuale*", atti del quarto Congresso Nazionale della Società Italiana di Ecologia, Atti/12, Ottobre 1990.

[212] De Leo G.A., L. Del Furia, C. Gandolfi, G. Guariso, "*Un sistema di supporto alle decisioni per la gestione delle risorse idriche sotterranee*", atti del "XI Convegno di Idraulica e Costruzioni Idrauliche", L'Aquila, Maggioli Editore, 5-8 Settembre 1988.

[213] De Leo G.A., L. Del Furia, G. Guariso, "*Idro-3 Approximate evaluation of aquifer depth and dynamics*", atti della "Prima Mostra Internazionale di Software per l'Ambiente e il Territorio", Villa Olmo, Como, 24 Settembre, 1987.

SCIENTIFIC REPORTS AND OTHERS ARTICLES

[214] Rossetto M, Micheli F. De Leo GA 2009. Assessment of the impact of externalities studies in fishery management and marine conservation. Position paper for WP VI.1&II, EU-EXIOPOL.

[215] De Leo, Fiorese, Beffa, Bevacqua, Fornari, Gatto. 2008 Rassegna degli Studi Regionali sui CCG (Univ. di Parma e Politecnico)- Progetto Kyoto Lombardia, Linea di Ricerca sulle Esternalità Ambientali, FLA, disponibile al sito www.flanet.it (Vol. I)

[216] De Leo, Fiorese, Beffa, Gatto. 2008. Il quadro sinottico degli impatti (Università di Parma e Politecnico di Milano), - Progetto Kyoto Lombardia, Linea di Ricerca sulle Esternalità Ambientali, FLA, disponibile al sito www.flanet.it (Vol. II)

[217] Beffa, De Leo. 2008 I danni da alluvioni alle infrastrutture in Lombardia (Università di Parma) - Progetto Kyoto Lombardia, Linea di Ricerca sulle Esternalità Ambientali, FLA, disponibile al sito www.flanet.it (Vol. III parte prima)

[218] Beffa, De Leo. 2008 Gli effetti sulla fruibilità dei comprensori sciistici della lombardia (Università di Parma), - Progetto Kyoto Lombardia, Linea di Ricerca sulle Esternalità Ambientali, FLA, disponibile al sito www.flanet.it (Vol. III parte seconda)

[219] De Leo, Beffa. Effetti Locali dei Cambiamenti Climatici Globali: gli impatti in Lombardia (Università di Parma) - Progetto Kyoto Lombardia, Linea di Ricerca sulle Esternalità Ambientali, FLA, disponibile al sito www.flanet.it

[220] Dekker W., Pawson M., Walker A., Rosell R., Evans D., Briand C., Castelnaud G., Lambert P., Beaulaton L., Åström M., Wickström H., Poole R., McCarthy T.K., Blaszkowski M., de Leo G. and Bevacqua, D. 2006 Report of FP6-project FP6-022488, Restoration of the European eel population; pilot studies for a scientific framework in support of sustainable management: SLIME. 19 pp. + CD, http://www.DiadFish.org/English/SLIME. Report of FP6-project FP6-022488

[221] De Leo G.A., F.Del Forte, e A.Mantovani 2003. Guidlines for Local Agenda 21. Info FEDARENE, European federation of regional Energy and Environmental Agencies., special focus on Agenda 21. 20:2-4

[222] De Leo G.A. Capitale naturale e Contabilità Ambientale, 2002. Atti 25 – Congresso della Società Italiana di Ecologia, pp.19-21.

[223] De Leo G. A., 2001. I benefici economici del protocollo di Kyoto. L'Eco, 47:7-9

[224] De Leo G. A. 2001. Il Santo Graal, ovvero alla ricerca di un Indicatore Assoluto di Sostenibilità. S.It.E Lettera ai Soci, 1:5-7

[225] Autori Vari, G.A. De Leo. "Rapporto sulla Qualità dell'Aria del Comune di Parma". Parma, 2001.

[226] De Leo G. A., 2000. The song of the Sirens: weaknesses and risks of an easy going education in Environmental Science and Management. S.It.E Lettera ai Soci 2000, 6:16-18

[227] De Leo G. A.. "Parasite Ecology: individuals, populations, communties" S.It.E. news letter, 5:8-11, 1998

[228] De Leo G.A., P. Colonna, F. Stanta e E. Laniado "*Rassegna delle migliori tecnologie disponibili per la protezione della fascia di ozono stratosferico e individuazione delle procedure e delle norme internazionali per la promozione della cooperazione finalizzata alla diffusione delle migliori tecnologie disponibili",* Convenzione MIP-Ministero dell'Ambiente, Roma, 15 Ottobre 1997.

[229] De Leo G.A., Simon Levin, "*Some consideration on the theory and practice of Ecosystem Integrity*", Princeton Environmental Institute, Princeton University, Princeton, NJ USA 1995.

[230] De Leo G.A., L. Del Furia, G. Finzi, A. Novo, R.Paolucci, "Metodi di analisi multivariata per lo studio della composizione delle precipitazioni in alcune stazioni dell'Italia settentrionale", collana "Contributi ENEL alla Conoscenza di Problematiche Ambientali", E6/88/03/MI, ENEL Direzione Studi e Ricerche - CRTN, Novembre 1988 .

Past Invited Lectures

---------- 2009----------

[1] De Leo. Climate Change and Infectious disease in the wildlife. FAO/IEAE international conference on animal production, Vienna (Austria) June 2009,

[2] De Leo . Fallacies, scepticism and uncertainties in the climate change science. Chamber of Commerce, Parma (Italy), June 2009

[3] De Leo. The state of marine resources. International Center of Theoretical Physics, March 2009,

[4] De Leo. When size matters…. Simon Fraser University (Canada), February 2009,

---------- 2008----------

[5] De Leo . Cost-Benefits Analysis of energy policy : the environmental variable. EU-Research Center for Energy Security, Patten Olanda

[6] De Leo. Climate Change and Seasonality of wildlife diseases. Workshop presso la rockers University 5-9 Aprile 2008.

[7] De Leo. Climate Change and wild animal diseases. Conference on Predicting Disease Patterns According to Climatic Changes, 12 - 14 Maggio 2008, Trieste, Italy.

---------- 2007----------

[8] De Leo G.A. The economic impact of climate change. E-Capital & Partners 29 June 2007

[9] De Leo. Analisi costi e benefici del protcollo di Kyoto, Master Ridef, Politecnico di Milano, 19 febbraio 2007.

[10] De Leo Politiche Ambientali e Sviluppo Sostenibile, corso trasversale della Scuola di Dottorato del Politecnico di Milano, 30 Novembre 2007:

---------- 2006----------

[11] De Leo G.A. Gli impatti del cambiamento climatico in Lombardia. Seminario progetto Kyoto per la Regione Lombardia. 18 Gennaio 2006

[12] De Leo G.A. I costi e benefici del protocollo di Kyoto. Seminario ad invito per il Master del Politecnico su risparmio ed efficienza energetica (RIDEF). 13 marzo 2006

[13] De Leo G.A. Un'analisi economico del protocollo di Kyoto. Seminario ad invito per la Settimana della cultura Scientifica, università di Parma, 15 marzo 2006

[14] De Leo G.A. Climate Change and Infectious Disease. Workshop on "biosphere-climate interactions", Ecole Normale Superieure, Paris (France), 26-28 Settembre 2006.

[15] De Leo G.A. Sviluppo sostenibile: avanti piano, quasi indietro. Master in Comunicazione della Scienza, Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste, 20 novembre 2006

[16] De Leo G.A. Gli impatti dei cambiamenti climatici nei paesi in via di sviluppo. Convegno su Energie rinnovabili e coooperazione nei paesi in via di sviluppo organizzato dall'Associazione Ingegneria Senza Frontiere presso l'Università degli Studi di Parma, 23 novembre 2006.

---------- 2005----------

[17] De Leo G.A. Stato e recepimento del protocollo di Kyoto in Italia. Unione Industriali Parmense. 10 Febbraio 2005

[18] De Leo G.A. Cambiamenti climatici: passato, presente e futuro. Settimana della Cultura Scientifica, Università degli studi di Parma. 15 febbraio 2005

[19] De Leo G.A. Il risparmio energetico. Liceo Scientifico di Fiorenzula D'arda (PC), 2 Marzo 2005

[20] De Leo G.A. I costi del cambiamento climatico. Liceo Scientifico Ulivi di Parma, 22 Aprile 2005

[21] De Leo G.A. Costi e benefici del protocollo di Kyoto. Unione Industriali di Como, 17 Maggio 2005

[22] De Leo G.A. Le politiche per l'efficienza energetica. Seminario per la Provincia di Parma, 20 Giugno 2005

[23] De Leo G.A. barriere ed ostacoli alla sostenibilità dello Sviluppo. Istituto delle belle Arti di Brera (Milano), 24 novembre 2005

---------- 2004----------

[24] De Leo e Gaburro. Semplificazioni normative per aziende certificate EMAS e Iso14001. CCIAA Varese, 15 Gennaio 2004

[25] De Leo. La ricerca nel settore delle Esternalità Ambientali da produzione di energia. Convegno sulla Ricreca di Sistema, CESI, 20 Gennaio 2004

[26] De Leo. Cosa sappiamo del clima che cambia: certezze e false preoccupazioni. Seminario presso l'Istituto di

[27] De Leo. La valutazione delle Esternalità ambientali generate dalla mobilità. II Convegno Nazionale sul Particolato Atmosferico, Università Bicocca, 14 Maggio 2004.

[28] De Leo G., Amadei P., Gaburro F., Catenacci M. Fattori di successo nella diffusione dei sistemi di gestione ambientale: il caso della Lombardia. VIII Conferenza nazionale delle Agenzie per l'Ambiente, Genova 5-9 Luglio 2004

[29] De Leo G. Sviluppo economico e compatibilità ambientale. Weekend Ecologico, "United Artists for Peace", Assisi 27-28 Agosto 2004

[30] De Leo G. La variabile ambientale fra vincolo e opportunità: strategie vincenti in un mondo in trasformazione. Convegno Nazionale SICC Milano, 11 Novembre 2004

[31] Tavola rotonda su Innovazione e Ambiente: il ruolo della pubblica amministrazione, Convegno Placet Life Economy Foundation, Milano 30 Novembre 2004

[32] Giulio De Leo "Evidenza, impatti e costi dei cambiamenti climatici globali". Tavola Rotonda "Il clima che verrà – Riflessioni sui cambiamenti", Comune di Parma, 11 Dicembre 2004

[33] Giulio De Leo. Identifying and evaluating the local effects of Global Climate Change, US. – Italy joint meeting on climate change research & technology, Venice 20-22 October 2004

---------- 2003----------

[34] Amadei, De Leo, Gaburro. IL ruolo della pubblica amministrazione nella promozione dei sistemi di gestione ambientale. Seminario nell'ambito del corso di specializzazione per tecnici ambientali di Assolombarda EMAS 6 Giugno 2003

[35] G. De Leo, E. Lanzi, A. Pini, M. Mossa Verre. "Le agenzie ambientali italiane e l'attuazione della normativa IPPC" Seminario su IPPC presso l'Osservatorio EMAS dello IEFE, Milano, 4 Luglio 2003

[36] De Leo, Melià, Crivellì, Gatto. Eel Population Modelling and Its Application to Conservation Management. International Eel Symposium, American Fishery Society annual meeting, Quebéc (Canada), August 10-15, 2003

[37] De Leo. Living in a trench: some considerations on the Integration of Science, Technology and Environmental Policy. Intervento al Workshop: Blueprints for an Integration of Science, Technology and Environmental Policy (BLUEPRINT) Bruxelles 25-26 Settembre 2003.

[38] De Leo. Gli indicatori aggregati di Sostenibilità. Contributo orale al convegno su Indicatori di Ecosistemi per il Governo del Territorio, Roma 14 Novembre 2003.

[39] De Leo. Esternalità e Cambiamenti Climatici. Contributo orale al Convegno Global Change and the Mediterranean Region, eventi paralleli al COP9, Padiglione Italia, Milano, 2 Dicembre 2003

[40] De Leo. Il ruolo del Territorio per lo Sviluppo Sostenibile. Contributo orale alla II Conferenza Annuale dei Coordinatori di Responsible Care. Federchimica, 10-11 Dicembre 2003.

[41] De Leo. Il ruolo di ARPA nella promozione dei SGA. Contributo orale al Convegno organizzato dall'Unione Industriali di Bergamo e da IPA Servizi sulla promozione dei Sistemi di Gestione Ambientale. Bergamo, 16 Dicembre 2003.

---------- 2002----------

[42] De Leo G.A., Rizzi L., Caizzi A., M. Gatto, G. Vicini. *Benefiting from Kyoto Protocol*. Convegno Internazionale su "GHG accounting for firms and corporations". FEEM, Palazzo delle Stelline, 1 Marzo 2002.

[43] De Leo. Alcune osservazioni sulla termovalorizzazione dei rifiuti : stato dell'arte, memoria storica e mistificazioni. Workshop organizzato dall'ARPA-Emilia Romagna su "esperienze e proposte per conoscere e sorvegliare l'impatto ambientale-sanitario di impianti di incenerimento. Forlì 16 Giugno 2002

---------- 2001----------

[44] De Leo G.A. I costi Socio-ambientali dell'Energia. Tavola Rotonda, Convegno della Società Italiana di Ecologia, 11-14 Settembre 2001, Sabaudia, Italia.

---------- 2000----------

[45] De Leo G.A. Barriere e ostacoli alla sostenibilità della Sviluppo. Intervento al convegno life natura e lo sviluppo sostenibile delle aree protette del mediterraneo: esperienze a confronto e prospettive future. Progetto LIFE, Trapani 5-7 Giugno 2000

Previous Mentoring

- Undergraduate Advisees (2012-13): 4 (Nicole Rodriguez, Scott Swartz, Melina Lopez, Jaclyn Phi)

Previous Graduate courses

- Population ecology and renewable resource management (8 credits – 70 hours, University of Parma, since 1998, degree in Biology and in Environmental Science)
- Environmental policies and sustainable development (5 credits – 40 hours, University of Parma, since 2004, degree in Environmental Science)
- Environmental Impact Assessment (8 credits – 70 hours, 1996-2001, Politecnico di Milano, degree in Environmental Engineering)

Previous Undergraduate courses

- Environmental management tools for firms and corporation (3 credits – 20 hours, University of Parma, since 2006, degree in Environmental Science)

Masters (lectures & seminars)

- NATO ASI School on Advanced science and technology for biological decontamination of sites affected by chemical and radiological nuclear agents, University of Parma, Parma, 2003-2006
- Master Ridef Energia per Kyoto (energie rinnovabili, decentramento, efficienza energetica), Politecnico di Milano.
- Corso Tecnico Ambientale di Milano, EcoutilityCompany, Milano e Brescia, 2002 –06
- Corso di Formazione "Consulente e Responsabile Ambientale", TuttoAmbiente, Piacenza, 2004-2006

Ph.D. students

- Giovanna Ranci (2001)
- Paco Melia (2002)
- Alessandro Carletti (2005)
- Simone Vincenzi (2007)
- Luca Bolzoni (2008)
- Giulia Fiorese (2008)
- Daniele Bevacqua (2009)
- Marisa Rosetto (Dec. 2011)
- Marcello Schiavina (Dec. 2012)
- Michele Cordioli (Dec. 2013)
- Gianluigi Rossi (Dec. 2014)
- Diana Rypkema (2018)
- Tim White (2019)
- Isabel J Jones (2020)
- Andre Lund (2020)
- Richard Grewelle (2021)

Past Undergraduate students (as a tutor of their honour thesis)

---------- 2013-2014----------

1. *Scott Swartz*, Experimental analysis of functional response of predatory prawns with respect to susceptible and/or Schistosomiasis infected snails.

---------- 2009----------

2. *Laura Silva*, Analysis of community structure in an IBA (Important Bird Area) Natura2000 (April 2009)
3. *Gianluigi Rossi*, EMS and energetic analysis Feb 2009

---------- 2008----------

4. *Michele Cordioli*. Environmental impact Assessment of Incereneritors (Nov 20 2008)
5. *Mauro Valtriani A guideline to the use of TEAM for the LCA assessment of a plastic bottle (Step 2008)*
6. *Stefano Bonaglia A guideline to the use of TEAM for the LCA assessment of a glass bottle (Step 2008)*
7. *Gabriele Lombardi A guideline to the use of SIMAPRO for the LCA assessment of a plastic bottle (Step 2008)*

---------- 2007----------

8. *Francesca Nasi*. Rischio di diffusione dell'influenza aviaria nel selvatico nell'Italia del Nord.
9. *Federico Pelizzari*. Indicatori per la valutazione ambientale strategica (specialistica).

---------- 2006----------

10. *Marco Andrello*. Studio della genetica di popolazione di Anguilla Europea
11. *Beniamino Beffa*. Cambiamenti climatici su scala locale. Effetti generati dall'aumento di temperatura sul turismo invernale nella provincia di Sondrio
12. *Elisa Gottardi*. Studio della dinamica di popolazioni di capriolo italico nel Parco dei boschi di Carrega.
13. *Anna Perazzolo*. Analisi dei costi ambientali nel distretto delle concerie della provincia di Vicenza

---------- 2005----------

14. *Massimo Fornari*. Cambiamenti climatici a livello locale: stima economica del danno da alluvioni sul sistema delle infrastrutture lombarde

---------- 2004----------

15. *Stefano Bonetti*. Analisi Ambientale Finalizzata all'Adeguamento Normativo IPPC dell'Industria Cementi Giovanni Rossi S.p.A.
16. *Matteo Parelli*. Analisi comparata delle Dichiarazioni Ambientali delle organizzazioni italiane registrate EMAS
17. *Federico Polizzari*. La valutazione economica del danno da rumore (tesi triennale).
18. *Stefano Boggio*. Problematiche nell'applicazione della normativa sull'Integrated Pollution prevention control a Parma

---------- 2003----------

19. *Alessia Agosta Del Forte e Francesca Mantovani*: Gestione della qualità nelle Agende 21 Locali.
20. *Federico Pasquini*: *Sviluppo di un Software per l'analisi MonteCarlo degli ordinamenti nell'Analisi a Molti Attributi* (in collaborazione con Giorgio Guariso, Politecnico di Milano)
21. *Francesca Quintavalla:* Aggiornamento dei sistemi informativi per la gestione degli spandimenti di refluizootecnici e fanghi di depurazione in Provincia di Parma (in collaborazione con ARPA-Parma e ASL-Parma)
22. *Paolo Possanza:* Contabilità Ambientale nel distretto del Sebino Bergamasco, parma, 15 Luglio 2003.

---------- 2002----------

23. *Angela Rigoli*: Bilancio ambientale del Comune di Sarmato (in collaborazione con l'ARPA di Piacenza e i relatori Prof. Viaroli e Prof. Bodini).
24. *Silvia Quartaroli*: Il calcolo dell'impronta Ecologica del Comune di Sarmato (in collaborazione con l'ARPA di Piacenza e i relatori Prof. Viaroli e Prof. Bodini).
25. *Stefano Cristiani*: Dalla Politica Ambientale a Quella Sociale: strumenti, codici, processi organizzativi d'azienda: Applicazione della Social Accountability 8000 nel programma di sostenibilità di ABB (in collaborazione con ABB).
26. *Debora Brocco*: Integrazione Ambiente Qualità e Sicurezza in un'azienda di servizi ecologici (in collaborazione con l'MBS di Montecchio Vicentino)
27. *Nadia Castelli*: Progettazione del Osservatorio sui Rifiuti della Provincia di Piacenza (in collaborazione con l'ARPA di Piacenza)
28. *Andrea Leverano*: Il car sharing a Milano (in collaborazione con la Legambiente)
29. *Massimo Davola e Andrea Carpanelli:* Un Sistema di Supporto alle Decisioni per la Valutazione Ambientale Strategica del Sistema Elettrico Nazionale.

---------- 2001 ----------

30. *Luca Lancini*: Applicazione del Sistema di Gestione Ambientale per un'azienda di raccolta dei rifiuti (in collaborazione con l'ASM di Brescia, 2001)
31. *Marco Golferini*: L'impronta Ecologia del distretto ceramico di Sassuolo (in collaborazione con ARPA-Modena e il Politecnico di Milano, Aprile 2001)
32. *Valentina Belli e Cristina Brambilla*: Distance learning: Sviluppo di un sito WEB per l'autoapprendimento di QUAL2 (in collaborazione col Laboratorio di Informatica Ambientale e Territoriale [LITA]del Politecnico di Milano, Febbraio 2001)
33. *Mattia Ricordati*. Studio della Disponibilità di biomassa locale per uso energetico in Lombardia e riduzione delle emissioni di gas serra (Giugno 2001, in collaborazione col relatore Prof. Gaia del Politecnico di Milano)
34. *Michele Trainati e Marina Gigante:* il problema della gestione del conflitto nell'istituzione di Parchi Alpini: linee guida e proposta per il Parco del Monte Rosa.
35. *Matteo Olivieri*: Relazione fra Qualità Ambientale e Produzione Agroalimentare a Parma (in collaborazione con l'ARPA di Parma)
36. *Cesare Vergottini*: Valutazione di Impatto Ambientale dell'impianto di Termovalorizzazione di Trezzo sull'Adda (in collaborazione col Comune di Trezzo sull'Adda).

---------- 2000 ----------

37. *Laura Donati*: Modello bioeconomico per la raccolta di Ulva nella Sacca di Goro (2000, in collaborazione col Prof. Viaroli)
38. *Francesca Zavattoni*: Indicatori di Performance Ambientale per le imprese (in collaborazione con l'Unione Industriali di Varese e il Politecnico di Milano, 2000)
39. *Milena Gobetti*: La sostenibilità del Sistema Urbano di Trasporto nell'area milanese: calcolo dei danni economici e dell'Impronta Ecologica (in collaborazione con la Sezione di Trasporti e Movimentazione del Politecnico di Milano, 2000)
40. *Maurizio Sechi*: Calcolo delle esternalità ambientali generate dal sistema di produzione di energia elettrica in NordAmerica (in collaborazione col CESI e il Politecnico di Milano, 2000)
41. *Stefano Piacentini*: Il modello Ecosense di ExternE (in collaborazione col CESI e il Politecnico di Milano, 2000)
42. *Serena Gepro*: Progettazione e realizzazione di un sito WEB per le aree marine protette, loro finalità, istituzione, aspetti normativi, gestione del conflitto (2000)
43. *Luca Frigerio e Francesco Gariani*: Metodo per la valutazione degli effetti dei vincoli su aziende agricole di due parchi lombardi (2000, in collaborazione col Politecnico di Milano)
44. *Luca Rizzi*: Analisi di Scenari di penetrazione di fonti di Energia Rinnovabile sulla base dei costi esterni ambientali e dei costi industriali (in collaborazione col CESI e il Politecnico di Milano, 2000)

45. *Gianluca Biondi e Noemy Gizzi*: modelli matematici per lo studio dello stress idrico sulle piante ad alto fusto (in collaborazione con Dpto. Ingeniería de los Recursos Naturales, y Medio Ambiente, Universidad de Vigom, Pontevedra, Spagna).

---------- 1999 ----------

46. *Pietro Caratti e Pierpaolo Girardi*: Confronto fra performance ambientali di motori a benzina e motori a diesel: applicazione della metodologia LCA tramite il software TEAM di Ecobilan (in collaborazione con ENI-Ricerche, 1999)
47. *Massimo Zanasso*: Etichettatura ambientale di detersivi industriali: analisi della procedura e valutazione dei risultati. (in collaborazione con l'Azienda ICEFOR, Magenta – MI, 1999)
48. *Iury Zucchi e Franco di Andrea*: Il calcolo delle esternalità ambientali da produzione di energia elettrica: aspetti teorici e definizione del database LCA per fonti di energia da combustibile fossile ed energia rinnovabile (in collaborazione col CISE-ENEL, 1999)
49. *Andrea Brignoli e Luca Vicoli*: Valutazione di Impatto Ambientale per il collegamento tramite impianti e piste da sci di Pinzolo e Madonna di Campiglio (in collaborazione col Politecnico di Milano, 1999)
50. *Annamaria Moretto*: Valutazione di Impatto Ambientale per la risistemazione di un bacino idrografico: applicazione sul Torrente Segno (in collaborazione col DIIAR del Politecnico di Milano, 1999)
51. *Sandro Starita e Massimo Moi*: Un modello bioeconomico stocatisco della pesca della anguille (1999, in collaborazione col Prof. Marino Gatto del Politecnico di Milano)
52. *Carlo Moiraghi*: Un software per l'acquisizione di dati ecologici tramite tavolo digitalizzatore (1999)
53. *Andrea Comi*: Analisi dell'impatto ambientale di progetti di collegamento tra Bergamo Bassa e Bergamo Alta (1999)
54. *Gianluca Silvestri*: La Valutazione di Impatto Ambientale delle Linee di trasporto dell'energia elettrica (1999)

INTERNATIONAL COLLABORATIONS

- 2015 on. Collaboration with Andrea Rinaldo's lab, EPFL (Swizterland) and with Marino Gatto's lab, Politecnico di Milano (Italy) to develop schistosomiasis dynamics on complex social and river networks
- 2014 on: collaboration with Gilles Riveau and Nicolas Jouanard, Espoir pour la Sante, Senegal
- 2013-2015: Collaboration with Elizabeth Huttinger Scientific Director, Projet Crevette EPLS Centre for Biomedical Research Saint-Louis, Sénégal
- 2006-2011: Collaboration with the Hopkins Marine Station of Stanford University (F. Micheli), the Dept. of Ecology and Evolutionary Biology of Princeton University (S. Levin and A.P.Dobson), the Center for Disease Ecology of Emory University (L. Real) and Politecnico di Milano (M. Gatto) under a program financed by the Italian Ministry of Research to promote capacity building and international research networks.
- 2006: member of the Project "SLIME – Study Leading to Informed Management for Eel" funded by the European Union, as modelling expert of the European eel demography
- 2004-2006 collaborative project with the Marine Biological Station of Tour du Valat in Camargue, France (Alain Crivellì) on the Population Viability Analysis of the marble trout *Salmo marmoratus* in Slovenia
- 2003-2005: member of the "Seasonality and Infectious Diseases" working group of the National Center of Ecological Analysis and Synthesis (NCEAS), California, USA.
- 2002, 2005 and 2009: Co-director - along with Andy Dobson (Princeton University, NJ USA) and Graciela Canziani (University of Tandil Argentina) - of theoretical ecology workshops and training programs at the International Centre of Theoretical Physics (ICTP, Trieste), on natural resource management (2002), infectious diseases (2005) and global changes (2009).
- Since 2001: collaborative project with the Marine Biological Station of Tour du Valat in Camargue, France (Alain Crivellì) on the Demography and Management of the Euoropean eel *Anguilla anguilla* in the Rhone delta.
- 1997: Visiting Professor at the Princeton Environmental Institute, Princeton University (NJ, USA)
- 1994 –1996: Post-doctoral position with Simon Levin and Andrew Dobson, Department of Ecology and Evolutionary Biology, Princeton University (NJ, USA)
- 1989: Visiting Scholar, School of Civil and Environmental Engineering, Cornell University, Ithaca (NY, USA)

MEDIA COVERAGE

Publications from the De Leo lab have received extensive media coverage as described here below

Press coverage (they talked about the De Leo lab work)

The UpStream Alliance project and publications

- KQED radio interview on coronavirus outbreak, Feb 24 2020. https://www.kqed.org/science/1957359/how-new-diseases-find-their-way-into-humans
- 2019, Documentary produced by Katie Jewett, Biographic (California Academy of Science), on the research project in Senegal: https://www.biographic.com/posts/sto/protected-by-prawns
- BBC World: Life interview, Recruiting prawns to fight river parasite, reference to the Sokolow, De Leo et al. 2017 TPSLB paper, Jan 2017 http://www.bbc.com/news/science-environment-38571937
- National Public Radio, Science Friday, live interview with Sanna Sokolow (De Leo lab) July 2016 on the Sokolow et al. (2016) PLOS NTD paper, at http://www.sciencefriday.com/person/susanne-sokolow/
- The new Reddit Journal of science: PLOS Science Wednesday august 2016 on the Sokolow et al. (2016) PLOS NTD paper: https://www.reddit.com/r/science/comments/4y55l1/plos_science_wednesday_hi_reddit_were_susanne_and/
- Paste Magazine article, Prawns Join the Fight Against Parasites on The UpStream Alliance project https://www.pastemagazine.com/articles/2017/01/prawns-join-the-fight-against-parasites.html
- From the Grapevine Blog, Fighting a Life-Threatening Disease with…..Shrimp? https://www.fromthegrapevine.com/health/disease-schistosomiasis-snail-fever-shrimp
- Stanford News, Controlling parasite-carrying snails combats disease more effectively than drugs alone, Stanford-led environmental research finds http://news.stanford.edu/2016/07/21/predatory-prawns-eliminate-major-parasite/
- Press coverage of Sokolow et al. 2015's paper. http://www.onearth.org/earthwire/snails-river-prawns-schistosomiasis-biodiversity .
- Press coverage of Sokolow et al. 2015's paper. http://gwtoday.gwu.edu/river-prawns-stop-disease-spread-west-africa
- Press coverage of Sokolow et al. 2015's paper. http://www.francetvinfo.fr/sante/maladie/des-langoustines-pour-lutter-contre-la-bilharziose_1032895.html#xtor=RSS-3-[sante] .
- Press coverage of Sokolow et al. 2015's paper. http://www.sciencesetavenir.fr/sante/20150721.OBS2908/combattre-les-parasites-de-la-bilharziose-avec-des-crevettes.html .
- Press coverage of Sokolow et al. 2015's paper. http://arstechnica.com/science/2015/07/shrimpocalypse-how-reintroducing-prawns-could-save-humans-from-deadly-disease/
- Press coverage of Sokolow et al. 2015's paper. http://www.voanews.com/content/river-prawn-schistosoiasis-stanford/2870839.html
- National Geographic press release on the Sokolow et al. 2015's paper. http://phenomena.nationalgeographic.com/2015/07/20/how-giant-prawns-could-fight-tropical-disease-and-poverty/
- African Tech website, press coverage of the D4D Challenge Senegal Prize issued by Orange/Sonatel http://techmoran.com/orange-announces-the-winners-of-its-big-data-data-for-development-challenge-senegal/#sthash.yV68aWIa.dpbs
- African Tech website, press coverage of the D4D Challenge Senegal Prize issued by Orange/Sonatel http://appsafrica.com/2015/04/15/big-data-innovation-winners-to-combat-african-challenges/

- Press coverage of the D4D Challenge Senegal Prize issued by Orange/Sonatel http://www.telecompaper.com/news/orange-announces-big-data-for-development-prize-winners--1076498
- University of Dakar (Senegal) press coverage of the D4D Challenge Senegal Prize issued by range/Sonatel http://www.ucad.sn/files/D4Dchallenge_leaflet_A4_FINAL.pdf .
- Press coverage of the the D4D Challenge Senegal Prize issued by Orange/Sonatel http://trendwave.com/mit/africa-news--ndash--news-from-africa
- Press coverage of the D4D Challenge Senegal Prize issued by Orange/Sonatel http://related1691.rssing.com/browser.php?indx=24432465&item=3686
- Interview to Stanford student Olivia Cord about her 2014 summer internship working on the schistosomiasis project in the De Leo ab. http://news.stanford.edu/features/2015/undergrad-research/profiles/cords.shtml
- Press coverage about the The UpStream Alliance project http://www.scidev.net/global/disease/news/prawns-show-promise-in-schistosomiasis-control.html
- Monterey County Weekly - Press coverage about The UpStream Alliance project. http://www.montereycountyweekly.com/news/831_tales/monterey-based-researchers-use-nature-to-fight-skin-burrowing-parasites/article_52f050c6-5ccb-11e5-9d83-c7fe82d252d5.html
- Press coverage of Sokolow et al. 2015's paper. http://conservationmagazine.org/2015/07/restoring-river-prawns-fights-disease/

Press coverage on the paper by Ferretti, … G. De Leo and Micheli, 2015. *Reconciling predator conservation with public safety*. Frontiers in Ecology and Evolution, 2015; 13 (8): 412-417

- **The Wall Street Journal**: What Are the Odds? Long, Most Likely
- **The New York Times**: California Shark Attack Rates Plunge 90 Percent Since 1950s
- **The Washington Post**: The risk of getting attacked by a shark off California has plummeted sharply since 1950, study says
- **LA Times** *by Karen Kaplan*: Shark attacks on the rise? In California, the risk has plunged
- **Time magazine** *by Justin Worland*: Your Risk for Shark Attack Is Lower Now Than 50 Years Ago
- **Forbes** *by Allie Wilkinson*: Shark Attack Risk in California Down Significantly Since 1950, Study Says
- **Newsweek** *by Duglas Main*: Shark Attack Risk Down Sharply, Despite Recent Incidents
- **Huffington Post**: California shark attack rates plunge 90 percent since 1950s
- **Fox News** *by Associated Press*: California shark attack rates plunge 90 percent since 1950s
- **CTV News** *by Christopher Weber*: Shark attacks in California plunged 90 per cent since 1950s: study
- **NBC News** *by James Eng*: Study Says Risk of Shark Attack in California Has Plummeted
- **National Geographics** *by Brian Clark Howard*: Shark Attack Risk Is Down Sharply Since 1950
- **National Geographics En Espanol**: ¿Por qué disminuyó el riesgo de ataques de tiburón?
- **Science/AAAS** *by Hanae Harmitage*: Shark attacks: Is it safe to go back in the water?
- **Ecological Society of America** *by Liza Lester*: To Avoid Dangerous Shark Encounters, Information Trumps Culling
- **Scientific American** *by Tara Haelle*: Shark Bites Are Up, but Attack Risk Is Down?
- **Stanford News** *by Rob Jordan*: Stanford researchers show the risk of shark attacks is way down
- **Discovery** *by Danny Clemens*: Study: Shark Bite Risk Has Fallen 91%
- **The Monterey Bay Aquarium** *by Cynthia McKelvey*: New research: Steep decline for shark attack rate in California
- **Boat International** *by Sophia Heath*: Risk of shark attacks has plummeted since the 1950s
- **Consumer Affairs** *by Mark Huffman*: Shark researchers offer some tips for staying safe
- **CBS San Francisco**: California Shark Attack Rates Down 90 Percent Since 1950s, Stanford Research Says

- **CBS Los Angeles**: California Shark Attack Rates Plunge 90 Percent Since 1950s
- **The Daily Breeze** *by Carley Dryden*: Despite rise in shark sightings, attack risk low in L.A. County, Stanford study says
- **Daily Democrat** *By Lisa M. Krieger*: Shark attack rates in California down 90 percent since the '50s
- **Detroit News** *by AP*: California shark attack rates plunge 90% since 1950s
- **Discovery World** *by Danny Clemens*: Shark Files: Shark Bite Risk Down 91 Percent Since 1950
- **Bayoubuzz.com Luisiana**: SAFER THAN EVER Calif. shark attacks drop 90 percent since 1950s
- **Los Angeles CBS Local** *by Los Angeles AP*: California Shark Bite Rates Plunge 90 Percent Since 1950s
- **Live Outdoors** *by David Rosenfeld*: Shark Attacks Chances Down Despite Recent bites
- **Half Moon Bay Review**: *by Cyrus Ready-Campbellr*Despite headlines, shark attack is less likely
- **Hattiesburg American**: California shark attack rates plunge 90% since 1950s
- **KSBW**: Good news for surfers: California shark attack rates plunge
- **Marin Indipendent Journal** *by Mark Prado*: Shark attacks less of a threat around state, but Marin still dangerous, study finds
- **Marine Science Today** *by Emily Tripp*: Reducing Shark Attacks: Information More Powerful Than Culls
- **Mirror Daily** *by John Birks*: Swimmers and surfers have 90 percent less chances of being shark attacked
- **Monterey County Herald** *By Lisa M. Krieger*: Shark attack rates in California down 90 percent since the '50s
- **Nature World News** *by Catherine Arnold*: California Shark Attacks Down By 91% in 60 Years
- **News Channel 5 Network**: California Shark Attack Rates Plunge 90 Percent Since 1950s
- **Phys.org** *by Liza Lester*: To avoid dangerous shark encounters, information trumps culling
- **Philly Voice** *by Michael Tanenbaum*: Study: Risk of shark attacks way down despite recent frenzy
- **Outside Online** *by the editors*: Shark Attack Risk Down in California Despite increased attacks
- **www.orangeville.com**: California shark attack rates plunge 90 per cent since 1950s
- **Orange County Register**: Study: California swimmers, surfers 90% less likely to be bitten by sharks
- **Ottawa Sun (Canada)**: Shark attacks in California have plunged since 1950s despite more people in water
- **www.ooyuz.com**: Shark Attack Risk in California Down Significantly Since 1950, Study Says
- **Red Bluff Daily News** *By Christopher Weber*: California shark attack rates plunge 90 percent since 1950s
- **Santa Cruz Sentinel** *by Lisa M. Krieger*: Number of shark attacks up but your chances of getting attacked is down
- **San Jose Mercury News** *by Lisa M. Krieger*: Shark attack rates in California down 90 percent since the '50s
- **San Francisco Examiner** *by Associated Press*: California shark attack rates plunge 90 percent since 1950s
- **Science World Report** *by Catherine Griffin*: Risk of Great White Shark Attack Falls by Staggering 91 Percent
- **Science Daily**: To avoid dangerous shark encounters, information trumps culling
- **Scripps Media**: California Shark Attack Rates Plunge 90 Percent Since 1950s
- **SF Gate**: California shark attack rates plunge 90 percent since 1950s
- **Stanford Daily** *Kalpana Gopalkrishnan*: Stanford study maps white shark behavior to understand attack risk factors
- **Summit County Voice** *by Bob Berwyn*: Better info, more public awareness is the key to reducing shark attacks, researchers say
- **The Inertia** *by Alexander Haro*: Stop F*cking Panicking: Stanford Study Finds Risk of Shark Attack Down by 91%
- **Times-Standard News** *by Lisa M. Krieger and Tabitha Soden, San Jose Mercury News and the Times-Standard* Rate of shark attacks declining in California
- **The Columbian**: California shark attack rates plunge 90%
- **The Sudbury Star (Canada)** *by Christopher Weber*: Shark attacks in California have plunged since 1950s despite more people in water
- **The Zoological**: It's never been safer to go back in the water
- **Toronto Sun (Canada)** *by Christopher Weber*: Shark attacks in California have plunged since 1950s despite more people in water
- **Uncover Michigan** *by Carol Bailey*: Shark attack rates slip 90% since 1950s: researchers say
- **Washington Times** *by Christopher Weber*: California shark attack rates plunge 90 percent since 1950s

- **Independent Online (South Africa)** *by Tony Carnie*: Night time is shark time

Press releases:

- Stanford Press release on the paper by White, De Leo et al. "Assessing the effectiveness of a large marine protected area for reef shark conservation" http://news.stanford.edu/2017/01/31/large-marine-protected-areas-effectively-protect-reef-shark-populations-stanford-scientists-find/
- Hopkins Marine Station of Stanford University: Bouncing Back: Modeling the Resilience of Disease and Threatened Marine Species with Hopkins' De Leo Lab https://hopkinsmarinestation.stanford.edu/news/bouncing-back-modeling-resilience-disease-and-threatened-marine-species-hopkins-de-leo-lab
- Stanford Press release on the paper by Ferretti, De Leo et al. (2016) on Frontiers of Ecology and the Environment "Reconciling Predator Conservation with Public Safety" http://news.stanford.edu/2015/07/08/shark-attack-risk-070815/
- Woods Institute for the Environment, on the Program in Disease Ecology, Health and the Environment https://woods.stanford.edu/research/centers-programs/disease-ecology-health-and-environment
- Woods Institute for the Environment on The Upstream Alliance project and the Program for Disease Ecology Health and the Environment: https://woods.stanford.edu/news-events/news/ecological-solution-more-effective-combatting-disease-drugs-alone
- Stanford News press release on the Sokolow et al. 2015' paper. http://news.stanford.edu/news/2015/july/prawns-fight-disease-072015.html
- Stanford Center for Innovation in Global Health - Dr. Barry's Dean's Fall Newsletter http://globalhealth.stanford.edu/news/director-updates.html#summer2014.
- Woods Institute press release on the Sokolow et al. 2015's paper. https://woods.stanford.edu/news-events/news/natural-solution-spread-deadly-disease
- UCSB press release on the Sokolow et al. 2015's paper http://www.news.ucsb.edu/2015/015770/ecological-restoration-battle-parasites
- UCSB Press release on the CNH grant http://www.news.ucsb.edu/2015/015738/win-win-win-win
- Politecnico di Milano press release on the D4D Challenge Senegal Prize issued by Orange/Sonatel http://www.deib.polimi.it/eng/news-and-events/details/412
- The Upstream Alliance press release on the Sokolow et al. 2015's paper: http://www.theupstreamalliance.org/news--events/a-new-study-finds-that-prawns-can-sustainably-reduce-schistosomiasis (acknowledgment of GCC and B&M Gates Foundation's support in TheUpstreamAlliance website at http://www.theupstreamalliance.org/news--events)
- Stanford Daily press release on the Sokolow et al. 2015's paper. http://www.stanforddaily.com/2015/07/20/researchers-discover-prawn-based-method-to-combat-freshwater-parasite/.

Social media

- **The Upstream Alliance on Facebook https://www.facebook.com/theupstreamalliance/**
- **The Upstream Alliance on Twitter https://twitter.com/upstreamallies**
- **The Upstream Alliance on Instagram https://www.instagram.com/theupstreamalliance/**
- The Upstream Alliance mentioned on Twitter by Stanford Woods Institute, Schistosomiasis Control Initiative, Michael Hsieh/George Washington University, The Grapevine, NPR, Stanford Global Health, University of California Santa Barbara, Science Friday, and PLoS