

# MADDALENA BEARZI

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## EDUCATION

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POSTDOCTORAL FELLOW, MARINE ECOLOGY & OUTREACH EDUCATION <i>University of California</i> Research and educational programs on “Polar Ecosystems”.	2003 – 2004 <i>Los Angeles, California</i>
Ph.D., BIOLOGY <i>University of California</i> Ecology of marine mammals in Santa Monica Bay, California.	1998 – 2003 <i>Los Angeles, California</i>
BACHELOR OF SCIENCE DEGREE IN NATURAL SCIENCE <i>University of Padova</i> Home range and homing of <i>Podarcis sicula campestris</i> (Reptilia, Lacertidae) in the Tombolo Reserve (Pisa, Italy).	1985 – 1989 <i>Padova, Italy</i>

## MAJOR PROFESSIONAL INTERESTS

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*Marine Mammal & Sea Turtle Ecology, Conservation and Management*  
*Public Awareness, Education and Capacity Building on the Sustainable Use of Marine Resources*  
*Science and Nature Photo-Journalism*  
*Popular Science Writing*

## EXPERIENCE IN ECOLOGY AND CONSERVATION

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OCEAN CONSERVATION SOCIETY <i>Co-Founder and President</i> Conducting marine mammal research; obtaining funding for marine related projects by seeking grants, and contributions; increasing public awareness of problems facing marine ecosystems through development and dissemination of educational materials, lectures, reports, etc; providing student programs and on-the-water internships.	WINTER 1998 – PRESENT <i>Los Angeles, California</i>
OCEAN TECHNOLOGY & ENVIRONMENTAL CONSULTING <i>Consultant</i> Advising on different aspects of ocean science and marine research; also provide consulting for scientific writing.	2009 – PRESENT <i>San Francisco, California</i>
UNIVERSITY OF SOUTHERN CALIFORNIA <i>Visiting Student</i> Conducting a study on dolphins and African apes sympatric ecology in collaboration with Dr. Stanford (Anthropology Department, University of Southern California).	2002 – 2004 <i>Los Angeles, California</i>
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE <i>Credited student</i> Participating in ESRI course encompassing practical scientific application of Arcview GIS and ArcGIS I.	JUNE 2000, JUNE 2007 <i>Redlands, California</i>
TETHYS RESEARCH INSTITUTE <i>Director and Principal Investigator, Yucatan Project</i> Studying ecology of sea turtles ( <i>Eretmochelys imbricata</i> , <i>Chelonia mydas</i> ) and bottlenose dolphins ( <i>Tursiops truncatus</i> ) in the Rio Lagartos Biosphere Reserve and the El Palmar State Reserve (Yucatan, Mexico) as principal investigator; building local awareness and capacity for conservation through education and outreach programs; developing	1992 – 1999 <i>Yucatan, Mexico</i>

guidelines for protection of sea turtles in the area; training research assistants, conducting lectures and field research; authoring technical reports, work plans and funding proposals.

MARINE TURTLE CONSERVATION AND RESEARCH PROGRAM <i>Vice-President, Chelon</i>	1992 – 1998 <i>Rome, Italy</i>
Developing Chelon (Marine Turtle Conservation and Research Program), a non-profit organization dedicated to the conservation and management of sea turtles; increasing public awareness of the problems facing marine reptiles through research and development and dissemination of educational and conservation programs.	
TETHYS RESEARCH INSTITUTE <i>Principal Investigator</i>	1990 – 1998 <i>Milan, Italy</i>
Conducting sea turtle research in the Mediterranean sea; conducting cetacean research (behavior and photo-ID) in the Caribbean and Adriatic Sea; training research assistants and volunteers for field work; analyzing data.	
UNIVERSITY OF PADOVA <i>Research Assistant, Environmental Analysis Program</i>	1989 – 1990 <i>Padova, Italy</i>
Conducting and managing different environmental impact studies in Northern Italy.	
UNIVERSITY OF PARMA <i>Research Assistant</i>	1986 – 1991 <i>Parma, Italy</i>
Conducting ecological investigations on reptiles and birds under the supervision of Dr. E. Baldaccini.	

## TEACHING EXPERIENCE

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UNIVERSITY OF CALIFORNIA <i>Lecturer, UCLA Extension (Workshop on Marine Mammals in Our Backyard)</i>	WINTER 2007, SUMMER 2009 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Lecturer, UCLA Extension (Oceans: New Frontiers)</i>	SPRING 2006 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Lecturer, UCLA Extension (Dolphins, Whales and Seals: The Fascinating World of Marine Mammals)</i>	WINTER 2003 – 2004 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Scientific Supervisor, OBEE 199I (Independent Projects)</i>	WINTER 2003 – 2004 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Lecturer, OBEE C109 (Introduction to Marine Biology)</i>	FALL 2003 – 2004 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Scientific Supervisor, OBEE 195 (Independent Projects)</i>	SPRING 2003 – 2004 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Lecturer, OBEE 98T (Marine Mammals: Their Ecology and Conservation)</i>	WINTER 2002 – 2003 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Scientific Supervisor, OBEE 199I (Independent Projects)</i>	SPRING 2001– 2002 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Teaching Assistant, OBEE 25 (Oceans)</i>	SPRING 2000 – 2001 <i>Los Angeles, California</i>
UNIVERSITY OF CALIFORNIA <i>Teaching Assistant, Life Science I</i>	SPRING 1999 – 2000 <i>Los Angeles, California</i>

### PROFESSIONAL AFFILIATIONS

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American Cetacean Society/LA Scientific Advisory Board Member	2009 – PRESENT
UCLA Alumni Association Life Honorary Member	2002 – PRESENT
Society of Marine Mammalogy Member	2001 – PRESENT

### FELLOWSHIPS, GRANTS & AWARDS

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2007-2008	ESRI grant to OCS
2006-2007	Santa Monica Bay Restoration Commission Grant to OCS (\$ 223,00.00)
2003-2004	Professional Development Award (\$ 600,00) UCLA Travel Grant, XLI Meeting Animal Behavior Society, Jun. 12-16, Oaxaca, Mexico (\$ 600.00) UCLA Postdoctoral Fellowship (\$ 18,700.00)
2003	Dr. Thomas James Memorial Fund Award (\$ 500,00)
2002-2003	Alumni Association Award, Outstanding Graduate Student and Chancellor's Service Award (\$ 500.00, Life Membership - UCLA Alumni Association) Collegium of University Teaching Fellows (\$ 5,340.00)
2002	OBEE Department Research Grant Support (\$ 332.00)
2001-2002	Charles E. and Sue K. Young Graduate Student Award (\$ 5,000.00) Coastal Environmental Quality Initiative Fellowship (\$ 50,000.00)
2001	OBEE Department Research Grant Support (\$ 1,000.00) Fishbaug Scholarship (\$2,000.00) and Adopt-a-Scholar (\$500.00), The Affiliates UCLA
2000-2001	Research Mentorship Fellowship, University of California, L.A. (\$ 19,874.00)
2000	ESRI grant (GIS courses, software, etc) Santa Monica Bay Restoration Project, educational grant (\$ 14,000.00)
1999	Award of Fellowship Support for the 1999-2000 academic year, UCLA, L.A. (\$ 9,400.00) UCLA Travel Grant, XIII Biennial Conference on the Biology of Marine Mammals, Nov. 27-Dec. 3, Maui, Hawaii (\$ 480.00)
1998	American Cetacean Society – L.A. Chapter grant (\$ 1,000.00)

### INVITED PARTICIPATION IN SEMINARS, PRESENTATIONS & MEETINGS

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2009	Invited speaker, Caltech University, Pasadena, CA.
2008	Invited speaker, American Cetacean Society-L.A. Chapter Monthly Meeting, San Pedro, CA. Invited speaker, Museum of Natural History of Los Angeles, Los Angeles, CA. Invited speaker, Skidaway Institute, Savannah, GA.
2007	Invited speaker, California State University, Long Beach, CA.
2006	Invited speaker, SCCRWP, Los Angeles, CA.
2005	Invited speaker, Santa Monica Bay Restoration Commission, Los Angeles, CA. Invited speaker, Los Angeles Zoo, Los Angeles, CA. Invited speaker, American Cetacean Society-L.A. Chapter Monthly Meeting, San Pedro, CA.
2004	Invited speaker, Behavioral Ecology Monthly Meeting, UCLA, Los Angeles, CA.
2003	Invited lecturer, COSEE WEST (UCLA & USC lecture series), Los Angeles, CA.
2002	Invited lecturer, OBEE 98T, UCLA, CA.
2001	Invited speaker, Museum of Natural History of Los Angeles, Los Angeles, CA.
2000	Invited lecturer, OBEE Ocean 25, UCLA, CA. Invited lecturer, University of Southern California, Marine Biology Seminar, Los Angeles, CA.
1999	Invited speaker, American Cetacean Society-L.A. Chapter Monthly Meeting, San Pedro, CA.
1997	Invited speaker, OTS-Roundhouse Aquarium Annual Meeting, Manhattan Beach, CA.
1996	Invited speaker, Tethys Research Institute Annual Meeting, Milan, Italy.

## SCIENTIFIC PUBLICATIONS & BOOKS

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- Bearzi, M., C. Saylan, and J. Feenstra. 2009. Seabird observations during cetacean surveys in Santa Monica Bay, California. *Southern California Academy of Sciences Bulletin* 108(2):63-69.
- Bearzi, M. 2009. Dolphins in the water off California. Pp. 116-117 In: *Thoreau's Legacy: American Stories about Global Warming*. R. Hayes, ed. Union of Concerned Scientists/Penguin Classics, Cambridge, MA.
- Bearzi, M., C. Saylan, and A. Hwang 2009. Ecology and comparison of coastal and offshore bottlenose dolphins (*Tursiops truncatus*) in California". *Journal of Marine and Freshwater Research* 60(6):584-593.
- Bearzi, M., S. Rapaport, J. Chau, and C. Saylan. 2009. Skin lesions and physical deformities of coastal and offshore common bottlenose dolphins (*Tursiops truncatus*) in Santa Monica Bay and adjacent areas, California. *Ambio* 38(2):66-71.
- Bearzi, M. and C. Saylan. 2008. A hand-held, PDA based system for seabird data collection during cetacean surveys. *Journal of Marine Animals and Their Ecology* (1)1:9-11.
- Bearzi, M., C. Saylan, and C. Barroso. 2008. Pinniped ecology in Santa Monica Bay, California. *Acta Zoologica Sinica* 54(1):1-11.
- Bearzi, M. and C. Stanford. 2008. *Beautiful Minds: Great Apes, Dolphins and the Roots of Human Intelligence*. Harvard University Press. 300 pp.
- Bearzi, M. and C. Stanford. 2007. Dolphins and African apes: comparisons of sympatric socio-ecology. *Contributions of Zoology* 76(4):235-254.
- Navarro, M.O. and M. Bearzi. 2007. Affect of Marine Mammals on Sport Fishery in the Santa Monica Bay, California. *Southern California Academy of Science Bulletin* 106(3):215-217.
- Bearzi, M. 2006. California sea lions use dolphins to locate food. *Journal of Mammalogy* 87(3):606-617.
- Bearzi, M. 2005. Habitat partitioning by three species of dolphins in Santa Monica Bay, CA. *Southern California Academy of Science Bulletin* 104(3):113-124.
- Bearzi, M. 2005. Dolphin sympatric ecology. *Marine Biology Research* 1:165-175.
- Bearzi, M. 2005. Aspects of the ecology and behaviour of bottlenose dolphins (*Tursiops truncatus*) in Santa Monica Bay, California. *Journal of Cetacean Research and Management* 7(1):75-83.
- Bearzi, M. 1996. Sea turtles in the El Palmar Reserve, Yucatan: A preliminary study. *Marine Turtle Newsletter*, 75:18-20.
- Politi, E., M. Bearzi, G. Notarbartolo di Sciarra, E. Cussino and G. Gnone. 1992. Distribution and frequency of cetaceans in the waters adjacent to the Greek Ionian Islands. *European Research on Cetaceans*, 6:75-78.

## THESIS, REPORTS, ETC

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- Bearzi, M. 2005. Do sea lions follow dolphins to enhance their foraging success? Abstract, Proceedings of The XV Biennial Conference on the Biology of Marine Mammals, December 12-16, San Diego, California.
- Bearzi, M. 2003. Behavioral ecology of the marine mammals of Santa Monica Bay, California. Ph.D. Dissertation, University of California, Los Angeles. 239 pp.
- Bearzi, M. 2001. Observations on two species of common dolphins in the Santa Monica Bay, CA. Abstract, Proceedings of The 15<sup>th</sup> Annual Conference of the European Cetacean Society, May 6-10, Rome, Italy.
- Bearzi, M. 2001. Observations on two species of common dolphins in the Santa Monica Bay, CA. Abstract, Biology Research Symposium, UCLA Department of Organismic Biology, Ecology, and Evolution, May 14, Los Angeles, CA.

- Bearzi, M. 2001. Spatial habitat partitioning between three dolphin species in Santa Monica Bay, CA. Abstract, Proceedings of The XIV Biennial Conference on the Biology of Marine Mammals, November 28-December 4, Vancouver, British Columbia, Canada.
- Bearzi, M. 2000. First contribution to the knowledge of marine mammals in the Santa Monica Bay, California. Biology Research Symposium, Department of Organismic Biology, Ecology, and Evolution, University of California, May 9, 2000, Los Angeles, CA.
- Bearzi, M. and B. Steinmetz. 2000. Preliminary observations on marine mammals in the Santa Monica Bay, California. Abstract, Southern California Academy of Science, 2000 Annual Meeting, May 19-20, 2000, Los Angeles, CA.
- Bearzi, M. 1999. The Los Angeles Dolphin Project. Preliminary Report, Santa Monica Bay Restoration Project. 2 p.
- Bearzi, M. 1999. Data on marine mammals collected during inshore surveys in the Santa Monica Bay, California. Preliminary Report, Chambers & Ass. 8 p.
- Bearzi, M. 1999. Preliminary observations on marine mammals in the Santa Monica Basin, California. Abstract, Proceedings of The XIII Biennial Conference on the Biology of Marine Mammals, November 27-December 3, Maui, Hawaii.
- Bearzi, M. 1996. Sea turtles survey to evaluate the human impact in the influence area of salt extraction industry (Rio Lagartos, Yucatan, Mexico). Final Report, Industria Salinera de Yucatan, Mexico. 5 p.
- Bearzi, M. 1996. The El Palmar Project in the Yucatan Peninsula. Universidad Campechana, IX Taller Regional sobre Programas de Conservacion de Tortugas Marinas en la Peninsula de Yucatan, 7-10 February 1996, Campeche, Mexico.
- Bearzi, M. 1996. Bottlenose dolphins in El Palmar and Rio Lagartos Reserves (Yucatan, Mexico): a preliminary study. Proceedings of The American Cetacean Society Conference, 8-11 November 1996, San Pedro, CA.
- Bearzi, M. 1992-93. The Yucatan sea turtle project. Tethys Research Institute Technical Report TRI 94-01: 8.
- Bearzi, M. 1991. Il programma vertebrati. Proceedings 12th National Conference of the Scientific Museum Italian Society. Pordenone, Italy, 31 May-2 June, 1991.
- Bearzi, M. 1989. Osservazioni sull'estensione dell'home range e sulle capacità di homing in *Podarvis sicula campestris* De Betta, 1857 (*Reptilia, Lacertidae*) all'interno dell'area di Tombolo (Pisa). Tesi di laurea in Scienze Naturali. Università degli Studi di Padova. 145 pp.
- Foà, A., M. Bearzi and N.E. Baldaccini. 1989. Homing and home range in *Podarvis sicula* (*Reptilia, Lacertidae*). Proceedings 13th Symposium of the Italian Ethology Society. Perugia, Italy, 19-22 May, 1989.

## REFERENCES

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Dr. William Hamner  
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