

PERSONAL INFORMATION

Daniela Silvia Pace

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PRESENT POSITION

Researcher at the Department of Environmental Biology, Sapienza University of Rome (Italy)

Main activities and responsibilities:

- Research on marine mammals ecology, behaviour, acoustics and conservation
- Research and monitoring on noise in the marine environment
- Scientific contribution to the TESEO working group at the Italian Ministry of Economic Development (MISE) for the development of best practices in monitoring and conservation activities during explorations with air-gun to assess the impact of noise on the marine fauna (marine mammals)
- Member of the ACCOBAMS working group for the development of the ACCOBAMS International MMO/PAM School
- Member of the Mediterranean IMMA (Important Marine Mammals Areas) scientific panel
- Member of the IUCN group for the assessment of the sperm whale in the Mediterranean Sea

PAST WORK EXPERIENCE

1998-2017 **President**

Oceanomare Delphis Onlus, Rimini, Italy

Main activities and responsibilities:

- Strategic planning and scientific direction for the realization of the mission of the organization (research and conservation of cetaceans in the Mediterranean Sea)
- Management of economic and human resources
- Definition and implementation of research, monitoring and conservation projects
- Data collection, management and statistical analysis
- Definition, drafting and finalization of scientific publications
- Scientific consultant for the EIA Commission of the Italian Ministry of Environment (MATTM) for the development of guidelines and monitoring protocols to monitor marine mammals and noise

Business or sector Not-for-profit Organization (NPO)2007-2009 **Scientific Director**

Systema Naturae Biodiversity Foundation, Rome, Italy

- Strategic planning and scientific orientation in the marine biodiversity sector
- Coordination and management of human, economic and organizational resources for the peer review activities of research and conservation projects
- Planning, organization and management of grants for research and conservation
- Definition and relationship with the International Scientific Commission and other opinion leaders

Business or sector Not-for-profit Organization (NPO)

- 2007-2013 **Social Communication and Fund-raising Director**
Maruzza Foundation, Rome, Italy
- Management and coordination of human, economic and organizational resources for fund-raising activities at companies, foundations of banking and business origin, public administrations, events in Italy
 - Management of internal and external social communication.
- Business or sector** Not-for-profit Organization (NPO)
- 2004-2007 **Head of the Territorial Network Department**
Telethon Foundation, Rome, Italy
- Management and coordination of human resources (team of 9 internal people and 25 external people)
 - Economic and organizational for fundraising activities on the territory through voluntary networks (UILDM and AVIS), Public Administrations (Revenue Agency, Local Authorities, School Institutes) with the involvement of the competent Ministries, Events on the national territory
 - Design, implementation and development of the new Telethon Territorial Network project (objectives: increase in fundraising and visibility / knowledge of the organization at local level)
 - Management of internal and external communication activities
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- Business or sector** Not-for-profit Organization (NPO)
- 2001-2004 **Head of the Scientific Communication and Information Department**
Telethon Foundation, Rome, Italy
- Management and coordination of human resources (team of 7 people), economic and organizational for scientific information activities in the area
 - Organization of scientific communication events (round tables, conferences, annual convention of funded researchers)
- Business or sector** Not-for-profit Organization (NPO)
- 1995-2001 **Science Officer**
Telethon Foundation, Rome, Italy
- Management and coordination of human resources (team of 5 people), economic and organizational for scientific peer review activities of research projects (including the development of innovative IT systems for submitting / evaluating projects)
 - Planning, organization and management of research grants
 - Definition and relationship with the international medical-scientific Commission
 - Analysis of the scientific productivity trend of funded research groups
 - Strategic planning and scientific direction with international scientific Advisory Board
- Business or sector** Not-for-profit Organization (NPO)
- 2001-2007 **Contract Professor of Marine Ethology**
University of Naples Federico II, Naples, Italy
- Training and scientific research on marine organisms, with a focus on Cetacean species
 - Planning, organization and management of grants for research and conservation
- Business or sector** Education
- 1995-2001 **Scientific Consultant**
University of Naples Federico II, Naples, Italy
Stazione Zoologica of Naples, Italy
Sapienza University of Rome, Italy
Messina Regional Province, Italy
- Cetaceans' scientific and conservational projects definition and management
- Business or sector** Education and Governmental Authorities

1991-1994 Clinical Research Supervisor

ABBOTT S.p.A, Campoverde di Aprilia, Italy

- Coordination of monitoring activities of clinical research and treatment of statistical elaborations
- Publication of results in scientific journals and their transfer to the Marketing sector
- Organization of symposia and round tables in national and international congresses
- International networking for the development of new study protocols.

Business or sector Pharmaceutical Industry**SCIENTIFIC AND RESEARCH ACTIVITIES****2012-ongoing Researcher**

Sapienza University of Rome, Italy

- See 'present position'

2010-2017 Researcher and scientific/operative project coordinator

Oceanomare Delphis Onlus, Rimini, Italy

- Scientific coordination and management
- Scientific advice for Public bodies and Industries

2012-2016 Head of Marine Mammals and Noise, Costa Concordia Removal Project

Sapienza University of Rome, Italy

Titan-Micoperi Consortium

CIBM, Livorno, Italy

Oceanomare Delphis Onlus, Rimini, Italy

- Scientific and operational coordination of marine mammals and noise monitoring during the Costa Concordia wreck removal project (Isola del Giglio, Italy) and during the restoration of the site

2014 Scientific/operative project coordinator, Fauzia and Elettra offshore platform construction

CNR-ISMAR Ancona, Italy

ENI, Italy

Oceanomare Delphis Onlus, Rimini, Italy

- Scientific and operational coordination of marine mammals and noise monitoring during the construction of two offshore platforms (Fauzia and Elettra) in the Adriatic Sea

2013 Scientific/operative project co-coordinator

Marine Protected Area 'Regno di Nettuno'

Oceanomare Delphis Onlus, Rimini, Italy

- Marine mammals monitoring and conservation during winter time around the island of Ischia (Italy)

2011 Scientific/operative project coordinator, GIOHNA project

Livorno Province, Italy

Pelagos Scientific Cooperative, Campo dell'Elba, Italy

Oceanomare Delphis Onlus, Rimini, Italy

- Cetaceans field monitoring in the Tuscany Archipelago (Italy)

- 1997-2009 **Researcher and scientific/operative project coordinator**
Sapienza University of Rome, Italy (Psychology and Zoology Departments)
University of Naples Federico II, Naples, Italy
Bologna University, Bologna, Italy
Stazione Zoologica of Naples, Italy
Cetacea Foundation, Riccione, Italy
Rimini's Aquarium, Rimini, Italy
C.T.S. – Centro Turistico Studentesco, Rome Italy
Oceanomare Delphis Onlus, Rimini, Italy
- Cetaceans field research and monitoring activities in Lampedusa Island, Rimini, Manfredonia, Rome, Ischia and Ventotene Islands, Messina
- 1992-1996 **Visiting Scientist**
CNR-IRPEM, Ancona, Italy
University of Brisbane St Lucia, Brisbane, Australia
University of Hawaii, Ohau, USA
University of Auckland, Auckland, New Zealand
- Cetaceans (bottlenose dolphin, killer whale, sperm whale) field research and monitoring activities

EDUCATION

- 2012-2016 **PhD in Environmental and Evolutionary Biology**
Sapienza University of Rome, Italy
- 1994-1995 **Visiting Scientist**
University of Hawaii (USA)
University of Brisbane “St. Lucia” (Australia)
University of Auckland (NZ)
- 1985-1990 **Degree in Biological Sciences (Marine specialization)**
Sapienza University of Rome, Italy
- 1980-1985 **Scientific High-School Diploma**
Antonio Labriola High-School, Rome, Italy

TRAINING (last 10 years only)

- Basic and advanced GIS usage**
ESRI, Rome, Italy
- Tutela e distribuzione del coralligeno lungo le coste italiane**
Ordine Nazionale dei Biologi, Roma
- Multi-scale Integrated Modelling of Ecosystem Services**
Salento University, Lecce, Italy
- Introduction to Ecological Statistical Modelling**
St Andrew University, Scotland, UK
- ManagerAttivo**
CFMT Manageritalia, Rome Italy
- La pianificazione strategica nelle aziende non-profit**
CFMT Manageritalia, Rome Italy

Vision e leadership

CFMT Manageritalia, Rome Italy

Project Management avanzato

CFMT Manageritalia, Rome Italy

Parlare in pubblico

CFMT Manageritalia, Rome Italy

Parlare alle grandi platee

CFMT Manageritalia, Rome Italy

La raccolta fondi nelle aziende non profit

CFMT Manageritalia, Rome Italy

Gestione e training delle risorse umane

CFMT Manageritalia, Rome Italy

Comunicazione e best practices nelle presentazioni scritte

CFMT Manageritalia, Rome Italy

Fund raising avanzato

CFMT Manageritalia, Rome Italy

Comunicazione e tecniche di negoziazione

CFMT Manageritalia, Rome Italy

Training and coaching

CFMT Manageritalia, Rome Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2+-C1	B2+-C1	B2+-C1	B2+-C1	B2+-C1

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient	Independent	Proficient	Independent	Independent

- Computer skills**
- Office suite (word processor, spread sheet, presentation software, etc)
 - Photo editing software
 - GIS software (ArcView)
 - IFAW software (Logger, Rainbow Click, Whistle Detector)
 - Acoustic software SeaPro, RX-Izotope, Raven Pro
 - Statistic software SPSS

- Licences**
- Driving Licences, A and B
 - Nautical Licence - Boat master Certificate for recreational crafts (without limits)
 - FIPSAS-CMAS 1 and 2 scuba certificates

ADDITIONAL INFORMATION

Publications	See Annex 1
Presentations/Seminars/ Conferences	More than 150 scientific and lay-public presentations 2015: Member of the Scientific Committee and Chair of the session “Foraging and Fishery” of the 29 th European Cetacean Society Annual Conference, Malta 2018: Member of the Scientific Committee and Chair of the session “Management and Conservation” of the 32 nd European Cetacean Society Annual Conference, La Spezia
Memberships	European Cetacean Society World Marine Mammals Association Mammalogy Association
Certifications	MMO (JNCC certificate) BOSIET (valid until April 2022) HUET (valid until April 2022) OGUK (valid until April 2022)

ANNEXES

- Annex 1: Publication record (selection)
- Annex 2: Theses list (until March 2020)

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

La sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione “Amministrazione trasparente”, nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Rome 14.06.2021

F.to
Dr.ssa Daniela Silvia Pace

ANNEX 1

Submitted Manuscripts (2021)

- Pace D.S., Ferri S., Giacomini G., Silvestri M., Ventura D., Casoli E., and Ardizzone G.D. (2021). Females and fishery st the social structure of bottlenose dolphin (*Tursiops truncatus*) in the Tiber river estuary (Mediterranean Sea). **Submitted to Global Ecology and Conservation**
- Martino S., **Pace D.S.**, Moro S., Casoli E., Ventura D., Frachea A., Silvestri M., Arcangeli A., Giacomini G., Ardizzone G.D., and Jona Lasinio G. (2021). Integration of presence-only data from several data sources. A case study on dolphins' spatial distribution. **Submitted to Ecography. * Equal contribution**
- Casoli E., Ventura D., Mancini G., **Pace D.S.**, Belluscio A. and Ardizzone G.D. (2021). High spatial resolution photo mosaicking for the monitoring of coralligenous rims. **Submitted to Coral Reefs**
- Ventura D., Mancini G., Casoli E., **Pace D.S.**, Jona-Lasinio G., Belluscio A. and Ardizzone G.D. (2021). Marine habitat mapping and seagrass restoration programmes monitoring through Structure-from-Motion photogrammetry-based protocol. **Submitted to Remote Sensing in Ecology and Conservation**

Publications

- **Pace D.S.**, Lanfredi C., Airoidi S., Giacomini G., Silvestri M., Pavan G. and Ardizzone G. (2021). Sperm whale trumpet in the Mediterranean Sea. *Scientific Report* 11, 5867. <https://doi.org/10.1038/s41598-021-84126-8> **IF=3.998**
- **Pace D.S.**, Di Marco C., Giacomini G., Ferri S., Silvestri M., Papale E., Casoli E., Ventura D., Mingione M., Alaimo Di Loro P., Jona Lasinio G., Ardizzone G.D. (2021). Capitoline Dolphins: Residency Patterns and Abundance Estimate of *Tursiops truncatus* at the Tiber River Estuary (Mediterranean Sea). *Biology* 10(4), 275. <https://doi.org/10.3390/biology10040275> **IF=3.796**
- Buscaino G., Ceraulo M., Alonge G., **Pace D.S.**, Grammauta R., Maccarrone V., Bonanno A., Mazzola S. and Papale E. (2021). Artisanal fishing, dolphins and interactive pingers: a study from a passive acoustic perspective. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 1– 16. <https://doi.org/10.1002/aqc.3588> **IF=2.988**
- Vella A., Murphy S., Verdugo J., de Stephanis R., Mussi B., Vella J., Larbi-Doukara K. and **Pace D.S.** (2021). The conservation of the endangered Mediterranean common dolphin (*Delphinus delphis*): Current knowledge and research priorities. *Aquatic Conservation: Marine and Freshwater Ecosystems*. DOI: <https://doi.org/10.1002/aqc.3538> **IF=2.988**
- **Pace D.S.**, Mussi B., Vella A. and Vella J. (2021). Facts and outcomes of the Mediterranean short-beaked common dolphin (*Delphinus delphis*) workshop. *Aquatic Conservation: Marine and Freshwater Ecosystems*. DOI: <https://doi.org/10.1002/aqc.3549> **IF=2.988**
- Gregoriotti M., Papale E., Ceraulo M., de Vita C., **Pace D.S.**, Tranchida G., Mazzola S. and Buscaino G. (2021). Acoustic Presence of Dolphins Through Whistles Detection in Mediterranean Shallow Waters. *Journal of Marine Science and Engineering* 9, 78. DOI: <https://doi.org/10.3390/jmse9010078> **IF=2.033**
- Casoli E., Mancini G., Ventura D., **Pace D.S.**, Belluscio A. and Ardizzone G. (2020). Reteporella spp. success in the re-colonization of bare coralligenous reefs impacted by Costa Concordia shipwreck: The pioneer species you did not expect. *Marine Pollution Bulletin* 161. DOI: <https://doi.org/10.1016/j.marpolbul.2020.111808> **IF=4.049**
- **Pace D.S.**, Giacomini G., Campana I., Paraboschi M., Pellegrino G., Silvestri M., Alessi J., Angeletti D., Cafaro V., Pavan G., Ardizzone G., and Arcangeli A. (2019). An integrated approach for cetacean knowledge and conservation in the central Mediterranean Sea using research and social media data sources. *Aquatic Conservation: Marine and Freshwater Ecosystems* 29(8): 1302-1323. **IF=2.988**
- Papale E., Alonge G., Caruso F., Grammauta R., Mazzola S., Mussi B., **Pace D.S.** and Buscaino G. (2019). The higher, the closer, the better? Influence of sampling frequency and distance on the acoustic properties of common dolphins burst pulses in the Mediterranean Sea. *Aquatic Conservation: Marine and Freshwater Ecosystems*, DOI: 10.1002/aqc.3158 **IF=2.988**
- Azzolin M., Gannier A., Papale E., Buscaino G., Mussi B., Ardizzone G., Giacomini C. and **Pace D.S.** (2019). Whistle variability of Mediterranean short-beaked common dolphin. *Aquatic Conservation: Marine and Freshwater Ecosystems*, DOI: 10.1002/aqc.3168 **IF=2.988**
- Mussi B., Vivaldi C., Zucchini A., Miragliuolo A. and Pace D.S. (2019). The decline of short-beaked common dolphin (*Delphinus delphis*) in the waters off the island of Ischia (Gulf of Naples, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems*, DOI: 10.1002/aqc.3061 **IF=2.988**
- **Pace D.S.**, Arcangeli A., Mussi B., Vivaldi C., Ledon C., Lagorio S., Giacomini G., Pavan G. and Ardizzone G. (2018). Habitat suitability modelling in sperm whale (*Physeter macrocephalus*) social groups. *Journal of Wildlife Management* 82(5): 1062-1073. DOI: 10.1002/jwmg.21453 **IF=2.055**
- Fossati C., Mussi B., Tizzi R., Pavan G. and **Pace D.S.** (2017). Italy introduces ante and post operam monitoring phases for offshore seismic exploration activities. *Marine Pollution Bulletin* 120(1-2): 376-378. **IF=3.146**
- Mariani M., Miragliuolo A., Mussi B., Russo G.F., Ardizzone G. and **Pace D.S.** (2016). Analysis of the natural markings of Risso's dolphin (*Grampus griseus*) in the central Mediterranean Sea. *Journal of Mammalogy* 97 (6): 1512-1524. **IF=1.630**

- **Pace D.S.**, Mussi B., Miragliuolo A., Vivaldi C. and Ardizzone G. (2016). First record of a hagfish anchored to a living bottlenose dolphin in the Mediterranean Sea. *Journal of Mammalogy* 97 (3): 960-965. DOI:10.1093/jmammal/gyw022 **IF=1.630**
- **Pace D.S.**, Tizzi R., Mussi B. (2015). Cetacean value and conservation in the Mediterranean Sea. *Journal of Biodiversity and Endangered Species* S1: S1.004, DOI:10.4172/2332-2543.S1.004
- **Pace D.S.**, Mussi B., Gordon J. and Wurtz M. (2014). Foreward. *Aquatic Conservation: Marine and Freshwater Ecosystems* 24(S1): 1-3. **IF=2.136**
- **Pace D.S.**, Miragliuolo A., Mariani M., Vivaldi C., Mussi B. (2014). Sociality of sperm whale off Ischia Island (Tyrrhenian Sea, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems* 24(S1): 71-82. **IF=2.136**
- Mussi B., Miragliuolo A., Zucchini A. and **Pace D.S.** (2014). Occurrence and spatio-temporal distribution of sperm whale (*Physeter macrocephalus*) in the submarine canyon of Cuma (Tyrrhenian Sea, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems* 24(S1): 59-70. **IF=2.136**
- Carpinelli E., Gauffier P., Verborgh P., Airoldi S., David L., Di-Méglio N., Cañadas A., Frantzis A., Rendell L., Lewis T., Mussi B., **Pace D.S.** and de Stephanis R. (2014). Assessing sperm whale (*Physeter macrocephalus*) movements within the Mediterranean Sea through photo-identification. *Aquatic Conservation: Marine and Freshwater Ecosystems* 24(S1): 23-30. **IF=2.136**
- Pulcini M., **Pace D.S.**, Triossi F., La Manna G., Galante I., Fortuna M.C. (2014). Distribution and abundance estimates of bottlenose dolphins (*Tursiops truncatus*) around Lampedusa Island (Sicily Channel, Italy) - implications for their management. *Journal of the Marine Biological Association – JMBA* 94(6): 1175-1184. DOI: 10.1017/S0025315413000842 **IF=1.064**
- Triossi F., Willis T. and **Pace D.S.** (2013). Occurrence of bottlenose dolphins *Tursiops truncatus* in natural gas fields of the northwestern Adriatic Sea. *Marine Ecology* 34: 373-379. DOI:10.1111/maec.12020. **IF=1.177**
- **Pace D. S.**, Pulcini M. and Triossi F. (2012). Anthropogenic food patches and association patterns of bottlenose dolphin (*Tursiops truncatus*) at Lampedusa Island, Italy. *Behavioural Ecology* 23(2): 254-264. **IF=3.216**
- Benini F., Fabris M., Pace D.S., Versò V., Negro V., De Conno F., Orzalesi M.M. (2011) Awareness, understanding and attitudes of Italians regarding palliative care: *Annali Istituto Superiore Sanità* 47(3): 253-259. **IF=0.941**
- **Pace D.S.**, Zucchini A., Miragliuolo A., Mussi B. (2010). Integrated methodological approaches to the geo-spatial analysis of cetacean species around Ischia island (Italy). *Biol. Mar. Mediterr.* 17(1):406-407.
- Visser I.N., Zaeschmar J., Halliday J., Abraham A., Ball P., Bradley R., Daly S., Hatwell T., Johnson T., Johnson W., Kay L., Maessen T., McKay V., Peters T., Turner N., Umuroa B., **Pace D.S.** (2010). First Record of Predation on False Killer Whales (*Pseudorca crassidens*) by Killer Whales (*Orcinus orca*). *Aquatic Mammals* 36(2): 195- 204. **IF=0.702**
- Berretta C., Cataldi M.A., Morri E., **Pace D.S.**, Scolozzi R., Zaccarelli N., Santolini R. (2009). Stima dei servizi ecosistemici a scala regionale come supporto a strategie di sostenibilità. EURAC book 56(1): 231-239.
- **Pace D.S.** (2009). I cetacei del Mediterraneo e la conservazione. In: Atti del 35° Seminario sulla Evoluzione biologica e i grandi problemi della biologia. La Biodiversità. Accademia Nazionale dei Lincei, pp.51-85.
- **Pace D.S.**, Miragliuolo A. and Mussi B. (2008). Behavior of a social unit of sperm whales (*Physeter macrocephalus*) entangled in a driftnet off Capo Palinuro (Southern Tyrrhenian Sea, Italy). *JCRM* 10(2): 131–135.
- Tizzi R., **Pace D.S.**, Accorsi, P.A., Gamberoni, M., San Juan Rodriguez, J., Catacchio, S. and Azzali, M. (2005). Multidisciplinary approach to the study of *Tursiops truncatus* pregnancy: a crucial value? *Europ. Res. Cet.* 17.
- Mussi B., Miragliuolo A. and **Pace D. S.** (2005). Monitoring short-beaked common dolphin (*Delphinus delphis*) in the south-eastern Tyrrhenian Sea (Italy): a preliminary approach to conservation measures. *Ocean Care*, 24pp.
- Mussi B., Miragliuolo, A. and **Pace D. S.** (2005). Monitoring driftnetting in the Mediterranean Sea. Human Society International, Royal Society for the Prevention of Cruelty to Animals, Whale and Dolphin Conservation Society. 22pp.
- **Pace D. S.**, Pulcini M. and Triossi F. (2004). Interactions with fisheries: modalities of opportunistic feeding for bottlenose dolphins at Lampedusa Island. *Europ. Res. Cet.* 16.
- Tizzi R. and **Pace D. S.** (2004). Individual differences in maternal behaviour profile in bottlenose dolphin: presence of crucial factors? *Europ. Res. Cet.* 16.
- Mussi B., Miragliuolo, A. and **Pace D. S.** (2004). Monitoring driftnetting in the Mediterranean Sea. Human Society International, Royal Society for the Prevention of Cruelty to Animals, Whale and Dolphin Conservation Society. 20pp.
- Mussi B., Miragliuolo, A. and **Pace D. S.** (2004). Monitoring short-beaked common dolphin (*Delphinus delphis*) in the south-eastern Tyrrhenian Sea (Italy): a preliminary approach to conservation measures. *Ocean Care*, 25pp.
- Pulcini M., Triossi F. and **Pace D.S.** (2002). Distribution, habitat use and behavior of bottlenose dolphin at Lampedusa Island: results of five-years survey. *Europ. Res. Cet.* 15:453-456.
- Tizzi R., Gabaldo M. and **Pace D.S.** (2002). Pregnancy in bottlenose dolphin (*Tursiops truncatus*): behavioural and respiratory aspects. *Europ. Res. Cet.* 15: 99-104.
- Tizzi R., Castellano A. and **Pace D.S.** (2001). The development of play behavior in bottlenose dolphin calf (*Tursiops truncatus*). *Europ. Res. Cet.* 14: 152-157.
- Pulcini M., Triossi F. and **Pace D.S.** (2001). Presenza di *Tursiops truncatus* lungo le coste dell'isola di Lampedusa (Arcipelago delle Pelagie). *Natura* 90(2): 189-193.
- **Pace D.S.** (2000). Fluke-made bubble rings as toys in bottlenose dolphin calves (*Tursiops truncatus*). *Aquatic Mammals* 26(1): 57-64.
- Tizzi R., Trombetti C. and **Pace D.S.** (1999). Alloparental care in *Tursiops truncatus*: a case report. *Europ. Res. Cet.* 12: 182-190.
- Pulcini M. and **Pace D.S.** (1999). Behavior and ecology of *Delphinus delphis* in the Ionian Island of Greece. *Europ. Res. Cet.* 12: 170-174.

- **Pace D. S.**, Pulcini M. and Triossi F. (1999). *Tursiops truncatus* population at Lampedusa Island (Italy): preliminary results. *Europ. Res. Cet.* 12: 165-169.
- Triossi F., **Pace D.S.**, Terranova M.L. and Renzi P. (1998). The development of suckling behaviour in two captive- born calves of bottlenose dolphin (*Tursiops truncatus*). *Aq. Mamm.* 24(3): 75-83.
- Pulcini M., **Pace D.S.**, Triossi F. and Cerioni S. (1998). Preliminary results on the occurrence of *Tursiops truncatus* along Lampedusa Island coasts. *Europ. Res. Cet.* 11: 150-152.
- **Pace D.S.**, Triossi F., Terranova M.L. and Renzi P. (1995). Suckling and weaning behavior of two calves of bottlenose dolphin *Tursiops truncatus*. *Europ. Res. Cet.* 9: 192-193.
- Triossi F., **Pace D.S.**, Terranova M.L. and Renzi P. (1995). Mother-calf spatial relationships in two captive-born bottlenose dolphins (*Tursiops truncatus*). *Europ. Res. Cet.* 9: 194-195.
- **Pace D.S.**, Triossi F., Terranova M.L. and Renzi P. (1994). Every breath you take: the ontogeny of respiratory behaviour in two captivity-born bottlenosed dolphins (*Tursiops truncatus*). *It. J. Zool. Suppl.* 61: 101.
- **Pace D.S.**, Triossi F., Terranova M.L. and Renzi P. (1994). Nutritional and spatial mother-calf interactions in two captivity-born bottlenose dolphins (*Tursiops truncatus*). *It. J. Zool. Suppl.* 61: 58.
- Rizzoni M., Gustavino B., **Pace D.S.**, Ferrari C., Fano E.A. (1991). Biomonitoraggio della qualità dell'ambiente: il fiume Tevere nell'area urbana di Roma. *S.IT.E.* 12: 167-169.
- **Pace D.S.** (1991). Dossier emergenza fiumi: inquinamento Tevere. *Insieme* 1-2: 18-19.

Books

- Cerioni S., Fortunato C., **Pace D.S.** & Pulcini M. (1999). Ambiente e territorio: spunti e riflessioni per una realtà in evoluzione. Edizioni "OstiaAzzurra1998". 100pp.
- Cerioni S., Fortunato C., **Pace D.S.** & Pulcini M. (1997). Ambiente e territorio: spunti e riflessioni per una realtà in evoluzione. Edizioni "OstiaAzzurra1997". 120pp.

ABSTRACT AND CONFERENCES

- Borsani J.F., Papale E. and **Pace D.S.** (2019). How are fin whale songs affected by shipping noise in the Mediterranean Sea? World Marine Mammal Science (WMMS) Conference, Barcelona (Spain), 9-12 December 2019.
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- **Pace D.S.** & Iadevito M.L. (2005). Habitat Preference and Feeding Behaviour of a Lone Bottlenose Dolphin (*Tursiops truncatus*) in the Gulf of Manfredonia – Italy. Kyoto Conference “Delphinid and Primate Social Ecology: A Comparative Discussion”. Kyoto, Japan, July 29 - 30, 2005.
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ANNEX 2

Supervision graduation thesis

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Environmental Sciences
Supervisor: D.S. Pace
Candidate: Zenab Irshaid
Thesis title: "Impatto del rumore antropogenico sulla fauna marina"

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Sara Ferri
Thesis title: "Struttura sociale e vocalizzazioni di *Tursiops truncatus* nel Mar Tirreno centrale"

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Chiara Di Marco
Thesis title: "Pressioni antropiche su *Tursiops truncatus* in Mar Tirreno centrale: effetti a livello di popolazione e di individuo"

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Alessandro Frachea
Thesis title: "Modellizzazione della distribuzione di due specie di delfinidi in relazione alla biomassa delle loro principali prede in Mediterraneo centrale"

Academic Year: 2019-2020
University: Sapienza University of Rome & Università della Tuscia
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Mentor: Prof. Dario Angeletti
Candidate: Sara Marini
Thesis title: "Caratterizzazione dei fischi di tursiope (*Tursiops truncatus*) durante le interazioni con la pesca a strascico"

Academic Year: 2019-2020
University: University of Rome 3
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Mentor: Prof. Massimiliano Scalici
Candidate: Zoe Olivieri
Thesis title: "Relation between the anatomy of the beluga's skull and echolocation"

Academic Year: 2016-2017
University: Sapienza University of Rome
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Mentor: Prof. Giandomenico Ardizzone
Candidate: Margherita Silvestri
Thesis title: "The acoustic repertoire of common dolphin *Delphinus delphis* in the Tyrrhenian Sea"

Academic Year: 2015-2016
University: Halmos College of Natural Sciences and Oceanography, Nova Southeastern University, Florida, USA
Supervisor: D.S. Pace
Mentor: Prof. Nicholas Funicelli & Prof. Amy Hirons
Candidate: Cristina Ledon
Thesis title: "Acoustic Repertoire of Sperm Whale (*Physeter macrocephalus*) Bachelor Groups in the Waters surrounding Ischia, Italy (Tyrrhenian Sea)"

Academic Year: 2014-2015

University: Università di Politecnica delle Marche

Graduation Course: Marine Biology

Supervisor: D.S. Pace

Mentor: Prof. Rosamaria Fiorini

Candidate: Serena Lagorio

Thesis title: "Acoustic repertoire of sperm whale's social units, *Physeter macrocephalus*, in the Cuma's canyon (Central Tyrrhenian Sea)"

Academic Year: 2013-2014

University: Sapienza University of Rome

Graduation Course: Natural Sciences

Supervisor: D.S. Pace

Mentor: Prof. Marina Cobolli

Candidate: Elena Catenacci

Thesis title: "Morfologia funzionale e soluzioni fisiologiche all'immersione in *Physeter macrocephalus*: quali implicazioni per l'alimentazione?"

Academic Year: 2012-2013

University: Sapienza University of Rome

Graduation Course: Natural Sciences

Supervisor: D.S. Pace

Mentor: Prof. Marina Cobolli

Candidate: Eleonora Aielli

Thesis title: "Importanza dei canyon sottomarini per i cetacei: quale ruolo nella conservazione di queste specie?"

Academic Year: 2012-2013

University: Università di Napoli 'Parthenope'

Graduation Course: Scienze Ambientali – indirizzo Marino e Risorse

Supervisor: D.S. Pace

Mentor: Prof. Giovanni Fulvio Russo

Candidate: Monica Mariani

Thesis title: "Analisi delle marcature naturali e stima di abbondanza della popolazione di grampo (*Grampus griseus*) presso l'isola di Ischia, Mar Tirreno"

Academic Year: 2011-2012

University: Università di Roma 'La Sapienza'

Graduation Course: Natural Sciences–indirizzo Ecosistemi Marini

Supervisor: D.S. Pace

Mentor: Prof. Giandomenico Ardizzone

Candidate: Carlotta Vivaldi

Thesis title: "Distribuzione e fotoidentificazione di capodoglio (*Physeter macrocephalus*) nell'area del canyon di Cuma (Mar Tirreno)"

Academic Year: 2011-2012

University: Sapienza University of Rome

Graduation Course: Scienze del Mare

Supervisor: D.S. Pace

Mentor: Prof. Giandomenico Ardizzone

Candidate: Lisa Stanzani

Thesis title: "Distribuzione, fotoidentificazione, abbondanza e pattern di associazione di *Tursiops truncatus* (Montagu, 1821) nelle acque costiere della regione Toscana"

Academic Year: 2006-2007

University: Università di Messina

Supervisor: D.S. Pace

Mentor: Prof. Mariolina De Francesco

Candidate: Elena Aloisio

Thesis title: "Comportamento di *Tursiops truncatus* in relazione alle attività di pesca"

Academic Year: 2004-2005

University: Università di Napoli Federico II

Supervisor: D.S. Pace

Mentor: Prof. G. Ciarcia (Zoologia)

Candidate: Iolanda La Ragione

Thesis title: "Comportamento interattivo di un esemplare solitario di *Tursiops truncatus* (Montagu, 1821) presso il golfo di Manfredonia"

Daniela Silvia Pace

Academic Year: 2004-2005

University: Università di Napoli Federico II

Supervisor: D.S. Pace

Mentor: Prof. P. Bianco (Zoologia)

Candidate: Marilù Iadevito

Thesis title: "Preferenza di habitat e comportamento alimentare di un individuo solitario di *Tursiops truncatus* (Montagu, 1821) presso il golfo di Manfredonia"

Academic Year: 2004-2005

University: Università di Bari

Supervisor: D.S. Pace

Mentor: Prof. A. Quaranta (Fisiologia Veterinaria)

Candidate: Clementina Aloè

Thesis title: "Studio delle vocalizzazioni di *Tursiops truncatus*: analisi comparativa tra il repertorio di whistle di un individuo solitario in ambiente naturale e di gruppi sociali in ambiente controllato"

Academic Year: 2003-2004

University: Università di Napoli Federico II

Supervisor: D.S. Pace

Mentor: Prof. G. Matteucig (Zoologia)

Candidate: Danilo Swann Matassa

Thesis title: "Dominanza, aggressività e riconciliazione in femmine di *Tursiops truncatus* nei periodi pre e post parto"

Academic Year: 2003-2004

University: Università di Napoli Federico II

Supervisor: D.S. Pace & R. Tizzi

Mentor: Prof. M. Marini (Zoologia Applicata)

Candidate: Cristiana Balducci

Thesis title: "Evoluzione delle relazioni parentali ed alloparentali in due femmine di *Tursiops truncatus* (Cetacea, Odontoceta) in ambiente controllato durante il primo anno di vita"

Academic Year: 2003-2004

University: Università di Napoli Federico II

Supervisor: R. Tizzi

Mentor: Prof. D.S. Pace (Etologia Marina)

Candidate: Stefania Marcucci

Thesis title: "Significato delle interazioni tattili nel periodo pre e post parto in femmine di *Tursiops truncatus*"

Academic Year: 2003-2004

University: Università di Napoli Federico II

Supervisor: R. Tizzi

Mentor: Prof. D.S. Pace (Etologia Marina)

Candidate: Viviana Coldagelli

Thesis title: "Comportamento sociale in *Tursiops truncatus*: sviluppo delle relazioni spaziali nella coppia madre-piccolo"

Academic Year: 2003-2004

University: Università di Napoli Federico II

Supervisor: D.S. Pace

Mentor: Prof. C. Agnisola (Fisiologia Marina)

Candidate: Gianfranco Granatino

Thesis title: "Studio sugli effetti di alcune sostanze anestetiche in *Octopus vulgaris*"

Academic Year: 1999-2000

University: Università di Bologna

Supervisor: D.S. Pace & R. Tizzi

Mentor: Prof. M.G. Corni (Fisiologia)

Candidate: Mascia Gabaldo

Thesis title: "Comportamento di femmine di *Tursiops truncatus* in ambiente controllato: gestazione, parto e periodo postnatale"

Academic Year: 1998-1999

University: Università di Alessandria

Supervisor: D.S. Pace

Mentor: Prof. G. Malacarne (Etologia)

Candidate: Alexandre Castellano

Thesis title: "Ontogenesi del comportamento di gioco in un piccolo di *Tursiops truncatus* (Cetacea, Odontoceta)"

Academic Year: 1998-1999

University: Università di Pisa

Supervisor: D.S. Pace

Mentor: Prof. E. Baldaccini (Ecologia)

Candidate: Tiziana Chieruzzi

Thesis title: "Ontogenesi dei comportamenti di contatto in 3 coppie madre-piccolo di *Tursiops truncatus* (Cetacea, Odontoceta) durante il primo anno di vita in condizioni controllate"

Academic Year: 1997-1998

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. F. Di Grande (Zoologia)

Candidate: Roberto Amaduzzi

Thesis title: "Studio del comportamento aereo e della formazione di bolle in piccoli di *Tursiops truncatus* (Cetacea, Odontoceta)

Academic Year: 1996-1997

University: Università di Parma

Supervisor: D.S. Pace

Mentor: Prof. G. Gandolfi (Zoologia)

Candidate: Mirella Zullo

Thesis title: "Sviluppo del comportamento alimentare di due piccoli di *Tursiops truncatus* (Cetacea, Odontoceta) durante i primi due anni di vita in condizioni controllate"

Academic Year: 1996-1997

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. B. Sabelli (Zoologia)

Candidate: Manuela Fabbrici

Thesis title: "Studio comparativo di due coppie madre-piccolo di *Tursiops truncatus*: relazioni di spazio nei primi due anni di vita"

Academic Year: 1996-1997

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. F. Di Grande (Zoologia)

Candidate: Elena Balboni

Thesis title: "Analisi del comportamento di due piccoli di tursiope (*Tursiops truncatus*) nei primi due anni di vita"

Academic Year: 1996-1997

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. F. Di Grande (Zoologia)

Candidate: Stefano Furlati

Thesis title: "Studio del comportamento alimentare di un piccolo di *Tursiops truncatus* durante il primo anno di vita"

Academic Year: 1996-1997

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. F. Di Grande (Zoologia)

Candidate: Carlo Trombetti

Thesis title: "Studio del comportamento materno e allomaterno in una coppia madre-piccolo di *Tursiops truncatus* nel primo anno di vita"

Academic Year: 1996-1997

University: Università di Torino

Supervisor: D.S. Pace

Mentor: Prof. C. Giacoma (Etologia)

Candidate: Marta Azzolin

Thesis title: "Studio del comportamento della coppia madre-piccolo di tursiope: un modello per nuovi metodi di indagine"

Academic Year: 1995-1996

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. F. Di Grande (Zoologia)

Candidate: Valentina Barbieri

Thesis title: "Studio ontogenetico dell'attività respiratoria di due piccoli di *Tursiops truncatus* durante i primi due anni di vita"

Academic Year: 1993-1994

University: Università di Bologna

Supervisor: D.S. Pace

Mentor: Prof. M. Marini (Zoologia Applicata)

Candidate: Raffaella Tizzi

Thesis title: "Studio del comportamento di due coppie madre-piccolo di *Tursiops truncatus* durante il primo anno di vita"

Academic Year: 1993-1994

University: Università di Bologna

Supervisor: D.S. Pace & P. Renzi

Mentor: Prof. G. Gandolfi (Zoologia)

Candidate: Francesca Triossi

Thesis title: "Comportamento di due piccoli di *Tursiops truncatus* (Cetacea, Odontoceta): analisi sperimentale dei primi sei mesi di vita in condizioni di cattività"

