

DETAILED CURRICULUM VITAE (*en anglais*)

Name	Laura Giuliano
Date of Birth	March, 23, 1968.
Place of Birth	Messina, Italy
Nationality	Italian
Languages	fluently spoken and written: Italian, French, English
Languages	basic, spoken: Russian, German

Dr. **Laura Giuliano** – officially qualified full professor (Italian Ministry of Research, 2013), is Research Director (DRI) at the Coastal Marine Environment Institute (IAMC) Section of Messina, of the National Research Council (CNR).

Her scientific experience covers marine microbial natural patterns in relation to oceanographic and geological driving forces, and the potential industrial applications associated to microbial adaptation mechanisms (i.e. Marine biotechnology). For this aim she developed new techniques based on the combination of cultivation and molecular methodologies.

During her early career, Dr. Giuliano hold national fellowships to work in collaboration with the Laboratoire de Microbiologie Marine of CNRS of Marseilles (France) and the National Center of Biotechnology (GBF) of Braunschweig (Germany). As senior researcher, she participated to national (EOCUMM, PNRA, CLUSTER-SAM, PON-SABIE) and international projects (BIODEEP EVK3-2000-22057, COMMODE, EUR-OCEANS) mainly with leading responsibilities. She has coordinated the SAME-8 EU International Project (HPCF-CT-2002-00404).

Dr. **Laura Giuliano** has frequently acted as Member of Evaluation Committees both at national (Member of PNEC Scientific Committee, France; Evaluation of *UMR5119-*, UMS 2348/UMR 7621/UMR 7628, CRELA, *France*) and international level (EuroDEEP-ESF; INCO; STREP/IP projects within the EU 5th, and 6th Framework Programme). She has published more than 40 peer-reviewed scientific articles (including on *Science*, *Nature*, *PNAS*) and has been Guest Editor of various international peer-reviewed scientific journals (*FEMS Microbiology and Ecology*, *Deep-Sea Research Part I*, *Marine Biotechnology*; *Marine Genomics*).

More recently, Dr. Giuliano has contributed various strategic panels (OCDE, IUCN) and side-events (EU Parliament) at the interface between science and policy especially targeting legal and socio-economic issues related to the development of the marine biotechnology sector.

Dr. **Laura Giuliano** acted as Italian Ambassador of the International Society for Microbial Ecology (ISME, 2003-2006). Currently Member of the Scientific Advisory Board of the European Federation of Biotechnology (EFB), and elected Member of the Strategic Advisory Board (StAB) of the JPI Ocean, Dr. Giuliano is detached (since 2004) to the Mediterranean Science Commission (CIESM) Headquarters as Scientific Advisor.

Research activities

- Structure of microbial communities in marine environments (e.g. hydrothermal sites, pelagic and coastal, anoxic deep sea basins)
- Use of bacteriological parameters as bioindicators of marine water bodies
- Use of bacterial taxa and/or bacteriological genes or enzymes for monitoring oil pollution in marine environments
- Development of new isolation techniques for culturing bacteria with specific requirements (e.g. oligotrophic marine autochthonous bacteria, halophilic anaerobic bacteria)
- Bacterial characterization by means of classical and molecular techniques

Education and degrees:

Years	Activity	Place
1987-1992	Awarded B.Sc. in Biology in 1992	Messina University (Dept. of Animal Biol. & Mar. Ecol.), Messina, Italy
1992	Bonino-Pulejo Found. fellow	Laboratoire de Microbiologie CNRS Luminy, Marseilles, France
1996	Awarded Ph.D Env. Sc.: Mar. Env. and Res. (VIII)	University of Messina, Italy & Lab. Microb. Luminy, (CNRS)Marseilles FR
1997-1999	Post-doc fellow	National Centre for Biotechnology (GBF) Braunschweig, Germany
1999-2000	CDD, Researcher	University of Messina (Environmental Sciences)
2001-2011	CDI, Researcher (CR2→ DR2→DR1)*	IAMC (ex Talassografico)-CNR, Messina, IT
2004-2014	Scientific advisor (Seconded)	CIESM, Monaco
2014-2018	Full Professor of Ecology	MIUR, Italy (National habilitation)

- *Forwarding to DR2, after participation to the CNR national concours in 2007*
- *Forwarding to DR1, after participation to the CNR national concours in 2007*

Career

Year	Degree	Place
1987-1992	Student	Lab. of Micr. Ecol., University of Messina, Italy
1992	Joung Res. fellow	Lab. of Micr., CNRS, Marseilles, France
1993-1996	Ph.D student	Univ. Messina, Italy & CNRS Marseilles, France
1994	NATO-Adv. Student	"Mol. Ecol. Aq. Microbes"; Siena, Italy
1997-1999	Post-doc fellow	GBF-Nat. Res. Cent. for Biotechnology, Braunschweig, Germany
1999-2001	CDD, Researcher, University of Messina, IT	University of Messina, Italy
2001-2007	CDI Researcher	IAMC, CNR, Messina, Italy
2007-2013	CDI, DR2	IAMC, CNR, Messina, Italy
2013-2014	CDI, DR1	IAMC, CNR, Messina, Italy
2014-2018	University, Full Professor of Ecology (National scientific habilitation)	Italian Ministry of Research (MIUR)
2014-2018	Director (4yrs mandate)	IAMC, CNR, Messina, Italy

Projects

Years	Project	Title	Role
1994-1996	EMPS-JGOFS, EU	Microbiology of particulate systems	Participant
1999-2001	PNRA, IT	Genetic and Phenotypical characterization of hydrocarbon degrading bacteria from Antarctica and analysis of their possible biotechnological applications	Co-PI
2001-2003	BIODEEP, EU fp5	Biotechnologies from the Deep	PI, Coord. ref.
2001-2003	CLUSTER-SAM, IT	Platforms and marine observation	PI of W2A2
2002	SAME-8, EU fp5	Aquatic Microbial Ecology Forum	Coordinator
2002-2005	COMMODE, EU fp5	Communities of Marine Microorganisms for Oil Degradation	Participant
2002-2005	SABIE, PON, IT	Analysis of the activity of surfactant by <i>in situ</i> and <i>ex-situ</i> pilot-scale bioremediation experiments	PI
2002-2004	IT-GR, Bilateral	Microbial Symbionts of Marine Invertebrates as Possible Source of Metabolites with Industrial Applications	PI, It. Ref.
2002-2004	PNRA, IT	Bacteria from Antarctica marine	PI

		environments: possibility of industrial applications	
2010-2012	MARCOM+, EU fp6	Towards an Integrated Marine and Maritime Science Community	PI
2011-2013	MarineBIOTECH, EU fp7	ERA-NET Preparatory action in Marine Biotechnology	Member of Stakeholder Group
2011-2015	MicroB3, EU fp7 OCEAN-2011	Marine Microbial Biodiversity, Bioinformatics and Biotechnology, Coop. (287589)	Participant
2012-2015	RITMARE		WP2 leader
2012-2015	PharmaSea		Steering Committee

Organizing Committees (Workshop/Conferences)

2015	Integrated Management of port areas	EcoMondo, Rimini, Italy, 6 November 2015
2012	Making Research count in Marine Governance	Roma (INSEAN, CNR), Italy, 15 March
2011	Molecular adaptations of Marine microbial life to extreme environments - Mediterranean opportunities	Samos, Greece, 12 – 15 October
2011	Harmonization of Blue Biotech National Policies', a Multipoint video-teleconference	La Spezia (NURC), Italy, 12 April
2011	Potential of videogames in marine resources governance	Goteborg, Sweden, 24 March
2010	New Partnerships for Blue Biotechnology Development - Innovative solutions from the sea,	Monaco 11-12 November

Scientific multidisciplinary cruises* *chief of cruise*

Year	Month	Nationality	R/V	Cruise name	Geographic area
1993	Oct	IT	Copernaut		Tyrrhenian Sea
1993	Nov	FR	Tethys	DYFABAC 03	Ligurian Sea
1994	Apr	FR	Tethys	DYFABAC 04	Ligurian Sea
1994	Jun	IT	Magnaghi	EOCUMM '94	Eolian islands
1994	Nov	FR	Tethys	DYFABAC 05	Ligurian Sea
1995	Mar/Apr	IT-Chili	Italica	PNRA	Straits of Magellan
2001*	Mar	Intl (EU)	Urania	BIODEEP	Ionian Sea

Evaluation Committees membership

Year	Evaluation Committee
2001-2005	FR Programme National Environnement Côtier (PNEC) , Sc. Council
2001	IT CNR: CDD selection (Project CLUSTER SAM), Concours IST/ADR/01/2001
2001	IT CNR: CDD selection (Project CLUSTER SAM), Concours IST/ADR/02/2001
2002	FR Sc. Comm., Evaluation UMR 5119-Ecosystèmes Lagunaires : Organisation Biologique et Fonctionnement (Directeur : Thang Do Chi)
2003	EU Invited expert : fp6 Cordis INCO West Balkans call
2003	EU Invited expert : Call FP6-2003-Global-2 "Global Change and Ecosystems" (IP and NoE, 1st STEP)
2005	FR Sc. Comm., Evaluation UMR CNRS –UMII 5119-Ecosystèmes Lagunaires : Organisation Biologique et Fonctionnement (Directeur : Thang Do Chi)
2006	FR PhD School Comm., « Biologie des Systèmes Intégrés, Agronomie et Environnement » (BSIAE), Montpellier II ; Eval. of candidates for a FR fellow
2006	FR Expert to evaluate projects within the EC2CO national call
2007	FR Sc. Comm., Evaluation Centre de recherche sur les écosystèmes littoraux anthropisés (CRELA)" (Directeur G. Blanchard). La Rochelle
2007	EU Invited expert : Call FP7-ENV-2007-1 "Environment, (including climate change)" Sub-activity 6.4.1: "Earth and Ocean Observation systems and monitoring methods for the environment and sustainable development"
2007	FR Sc. Comm., Evaluation l'Observatoire Océanologique de Banyuls UMS 2348/UMR 7621/UMR 7628" Banyuls sur mer (Directeur P. Lebaron)
2008	FR Jury for selecting the best candidate to the International Chair professorship at the University Paris VI - Observatoire de Banyuls sur mer
2009	FR Expert to evaluate projects within the call by Région Languedoc-Roussillon, Grands Plateaux Techniques pour la Recherche (GPTR)
2010	FR Expert to evaluate projects within the CNRS Inter-disciplinary Program : "Environnement Planétaires et Origines de la Vie"(EPOV)

Referee-Editorial activity

Year	Journal	Activity
2002	International Journal of Oceanology: "Oceanologica Acta"	Referee
2002	FEMS Ecology", Special Issue N°1	<u>Guest Editor</u>
2002/4	Environmental Microbiology	Referee
2006	Annals of Microbiology	Referee
2008	Handbook on "Microbial Interactions with Hydrophobic Organics". Eds: K. Timmis, V. de Lorenzo, T. McGenity, J. R. van der Meer. Springer Verlag	Referee
2009	International Journal Deep Sea Research Part II, Volume 56, Issues 11-12	<u>Guest Editor</u>
2010	International Journal "Microbial Biotechnology", Special Issue N. 3 (5)	<u>Guest Editor</u>
2013	International Journal "Marine Genomics", Special Issue N.	<u>Guest Editor</u>

Honor (awards)

- 1999 Selected member of the *European Register of Marine Species project (EMRS-Project)*
- 2001 Selected speaker by the European Commission to promote the EU activity across the public domain by introducing the BIODEEP (No.EVK3-2000-22057) project during a targeted European Press Release event
- 2002 President of the Organising Committee for the Eighth European Symposium on Aquatic Microbial Ecology (SAME-8), Taormina, 25-30 October 2002
- 2003 Invited Member of the International Board of Ambassadors of the International Society for Microbial Ecology (ISME)
- 2004 Distinct Honour by the American Biographical Institute: Great Women of the 21st Century. Reference work dedicated to the women of our world whose impact has been outstanding, sometimes under unusual or difficult circumstances.
- 2005 Principal investigator (PI), Representative to General Assembly, and unanimously Voted Vice-chairman of the EUR-OCEANS (Net of Excellence) General Assembly (51 National delegates)
- 2012 Elected Member of the Strategic Advisory Board of the Joint Programming Initiative Healthy and Productive Seas and Oceans (JPI Oceans) (*appointed for a term of 3 years*)

- 2013** Elected Member of the Experts Group of the European Federation of Biotechnology - Sect. Environmental Biotechnology
- 2014** Member of the Italian Consultation Board **Societal Challenge 2** “Food Security, Sustainable Agriculture and Forestry, Marine And Maritime and Inland Water Research and The Bioeconomy” (Italian Ministry of Research and Education) Horizon2020
- 2014** Marraine de la promotion des Elèves Ingénieurs ESAIP 2014-2017

Invited lectures and panel chairing activity

Year	Conference	Role	Title of the presentation
2002	EG, XXVII General Assembly, Nice, FR, 21-26 April	co-Chair	Section BG2: Role of water column microbes in the oceanic carbon cycle
2002	Int. Workshop: “Towards a Model of Microbial Evolution” Alicante, ES, 10-11 Dec	Inv. Lecturer	Analyses of Gram (-) and Gram (+) bacteria alkane degradation gene clusters: evolution and regulation of the <i>alk</i> genes
2003	Int. Conf. Sust. Develop. of the Med. and Black Sea Env., Thessaloniki, GR, 28May-1 June	Inv. Lecturer	Bacterial diversity in the Mediterranean and Black Seas: A comparative approach
2003	CIESM Workshop on <i>Gaps in Mediterranean Deep Sea Biology</i> Heraklion, GR, 2-5 July	Inv. Lecturer	Deep sea bacteria: the Mediterranean as a model environment
2004	EUROCEAN2004, Galway, IR, 10-13 May	Inv. Lecturer	Frontiers in deep-sea biological research: towards understanding the functional and structural adaptation of marine microbial communities to the deep-sea ocean margins
2006	CoNISMa 5th Nat. Congr. for Mar. Science, Viareggio, IT, 14-18 Nov	Inv. Lecturer	Biotechnologies of Marine environments: the bacteria of industrial interest
2007	EU WK on Mar. Biotech., Bremen, DE, May	Inv. Expert	Biotechnologies related priorities in the Mediterranean region
2007	NSF-EU Forum Washington, USA	Inv. Expert	Bioinformatic Platform on Microbial molecular data; the potential of Mediterranean facilities

2008	NSF-EU, and CIESM WK, Monaco, MC, 12 - 14 Oct	Co-organizer	Marine Genomics: The Interface of Marine Microbial Ecology and Biotechnological Applications
2010	ESF-COST High-Level Research Conference, Maratea (IT), 20-25 June	Inv. Lecturer	Marine biotechnology in the Mediterranean region, the CIESM perspective
2010	EU Brokerage event, Istanbul, TU, 23-24 Sept.	Inv. Lecturer	CIESM input on Mediterranean Research priorities
2011	NILOS, Netherlands Institute for the Law of the Sea & The Netherlands Ministry of Economic Affaires, Agriculture and Innovation. 'Biological Diversity and Governance of Areas beyond National Jurisdiction', Utrecht, NL, 8 Jul	Inv. Participant	Contribution on the role of research in marine governance. The Mediterranean as case study.
2011	Int. Seminar on Conservation and Sustainable Use of Marine Biodiversity beyond National Jurisdiction, BfN & IUCN, Bonn (DE), 1-3 Dec.	Inv. Panelist	The role of the research sector in ABS Governance
2012	MARCOM/EMAR2RES joint conference: 'Fish and Ships', Brussels (BE), 22 March	Inv. Lecturer	Blue biotechnology bridges between marine / maritime sectors – Snapshots from the Mediterranean
2012	SUBMARINER Blue Biotech. Coop. Event: New Strategies and Future perspectives, Kiel (DE), · 9–10 May	Inv. Participant	Contribution to the Baltic-Med workshop on Marine Bioindustry (regional) landscapes
2012	First National Workshop on Marine Biotechnology and Genomics. Bodrum (Turkey), 24-25 May	Keynote Lecturer	Blue Biotechnologies – Bridges between Marine and Maritime Sectors
2012	OECD Global Forum On Biotechnology: Marine Biotechnology – Enabling Solutions For Ocean Productivity And Sustainability. Vancouver (CA), 30-31 May	Inv. Lecturer	Marine biotechnology perspectives in the Mediterranean - scientific and legal challenges

2012	« Droit de la mer, 30 ans après Montego Bay : opportunités économiques et défis environnementaux ». Monaco, 9 October	Inv. Participant	Développer une vision prospective de la gouvernance des océans
2012	EFIB – European Forum for Industrial Biotechnology & the Biobased Economy. Dusseldorf (DE), 16-18 October	Inv. Lecturer	The potential of the Mediterranean region
2012	LOSC: 30 Years of signature: the protection of environment and the future of the Law of the Sea. Porto (PO), 15-17 November	Inv. Lecturer	Current status of the protection of marine environment and prospects of evolution of the Law of the Sea
2013	COST: Plen. Conf. on Jurisdiction and control at sea. Rome (IT), 06 June	Inv. Lecturer	On Marine Science and Maritime Law: from sub-regional to regional strategies
2013	OCDE: workshop on definition and indicators for Marine biotechnology. Paris (FR), 7 November	Inv. panelist	Marine Biotech indicators – personal considerations
2014	EU parliamentary briefing set up by the MEP Ulrike Rodust (Germany): <i>“New Frontiers in Blue Biotechnology – Research & SME Alliances in Early Drug Discovery”</i> , held in the European Parliament on January 29th,.	Inv. Speaker	New openings for Marine BioIndustry – The Mediterranean as an opportunity
2014	IFIB – Italian Bioindustries, Genova 25-26 Sept,.	Inv. Speaker	Marine Biotechnology perspectives in the Mediterranean – Scientific and Legal Challenges
2014	EFIB – EU Bioindustries, Reims, 29 Sept (Pre-workshop)	Inv. Speaker	Bioindustry Clusters – The Mediterranean potential
2014	AntERA IBBR, CNR, 2 Oct	Inv. Speaker	Scientific and Legal Challenges in Marine Biotechnology – The Mediterranean Region
2014	EurOCEAN2014, Rome, CNR, 6-9 Oct	Inv. Speaker	Snapshots of Mediterranean marine research and its cross-sector potential
2015	OCDE, Plentzia-Bizkaia, Basque Country, ES, 29-30	Inv. Speaker	Protection and management of the ocean health: biosensors,

Sept.

biomarkers, bioassays,
bioremediation and biorestitution

2016 University of Geneva, CH, Inv. Speaker
4-5 April

Workshop on application of
genomic tools for biomonitoring of
marine environment: from
technology to legal and socio-
economic aspects

2016 OCDE, Symposium: The Inv. Speaker
Future of the Ocean
Economy, Seoul, (SKorea),
27-28 April

Climate change and pollution –
technical, scientific and legal
challenges. L Giuliano & I. Martinez

Research & Policy

Popular scientific products

Audio-visuals

i. Multipoint Videoconference (Re-edited Film) 'Harmonization of Blue Biotech National Policies' (UNEP, Nairobi; AIMS, Australia; WTO, Switzerland; GRIPS, Japan) (*podcast*).

ii. 'Stealing from a community garden?' – Conceptualisation of a cartoon on issues related to access to marine genetic resources and the sharing of benefits derived from their use (UNCLOS) (*cortometraggio*).

Blog (on-line)

2012 (January-April) : Conceptualisation and animation of the blog "Let's dialogue on governance of Fisheries and Blue Biotechnology" – under titles: *(i)* Blue Biotech: Help research, STOP Biopiracy! *(ii)* The future of fishing is not a joke – could it be a game? (www.ciesmseforum.org)

Popular reviews (freely downloadable)

F. Briand, L. Giuliano Eds. (2007) : Priorities for marine research and policy in the Mediterranean Sea – a multilateral view. 12 pp. (www.ciesm.org)

F. Briand, L. Giuliano & M. Barbier Eds. (2010) : New Partnerships for Blue Biotechnology Development - Innovative solutions from the sea. 44 pp. (www.ciesm.org)

F. Briand, L. Giuliano Eds. (2011) : Potential of videogames in marine resources governance. (www.ciesm.org)

Patents

n. B12-082IT – Patent for industrial invention (process + apparatus) deposited on 05-03-2012 : "Procedimento di Recupero *in situ* di sedimenti marini contaminati e relativa apparecchiatura"; Michail M. Yakimov, Simone Cappello, Renata Denaro, Lucrezia Genovese, Maria Genovese, **Laura Giuliano**, Gaetano Irrera.

Teaching courses

- 1999-2000** Teacher of Molecular technologies at the Sicilian specialization courses for “*Plant Engineering*”
- 2001** Invited lecturer for the National Conference: Molecular Microbial Ecology, Florence, Italy, 28th of June, 2001.
- 2001** Invited teacher for the integrative course entitled: “Marine Microbiology and Biotechnology of Marine Bacteria: Possible Applications”, within the “Marine Biology” main course of the University of Ancona, Faculty of Science.
- 2002** Invited Teacher at the MASTER in: “Integrated management of coastal areas (GIAC)”, EUCC International Secretary Leiden, NL; Vice- president Prof. Giovanni Randazzo, University of Messina (Syracuse, Italy, November 2001-November 2002).
- 2005** Invited Seminaire on Marine biotechnology: « Bacteria of industrial interest », Marseille, Laboratoire de Microbiologie Géochimie et Ecologie Marines, France.
- 2007** Invited professor at the LMGEM CNRS/ Université de la Méditerranée (Marseille), France.
- 2015** Invited professor at winter school : « Introduction to Off-Shore and Marine Systems Engineering », University of Bologna, 25 February.

Training and Education related activity

Students evaluation :

- 2005** Invited *rapporteur* for the PhD Thesis of Nicolas Bourget: “Role de l’activité hydrolytique bactérienne dans le cycle de la matière organique en milieu marin: étude du mode lipides-lipase”. Université de Provence Aix-Marseille I.
- 2006** Invited External Member of the Commission of the PhD School (BSIAE – Biologie des Systèmes Intégrés, Agronomie et Environnement) for the Evaluation of candidates to the research fellowships granted by the French Ministry of Education. University of Montpellier II, France.
- 2007** Invited *rapporteur* for the PhD Thesis of Gilles Miraille: “Devenir d’une contamination pétrolière dans des sédiments côtiers infralittoraux et son impact sur les communautés bactériennes”. Université de la Méditerranée – Centre océanologique de Marseille (Observatoire des Sciences de l’Univers).
- 2010** Invited *rapporteur* for the PhD Thesis of Badr Al Ali: « Effet de la pression hydrostatique sur la distribution et l’activité (bioluminescence, dégradation de la matière organique) de différents microorganismes marins ». Université de la Méditerranée – Centre océanologique de Marseille (Observatoire des Sciences de l’Univers).
- 2010** Invited *rapporteur* for the PhD Thesis of Marie Duflos: “Biogéochimie des lipides en milieu marin côtier anthropisé. Baie de Marseille – Méditerranée.” Université de la Méditerranée – Centre océanologique de Marseille (Observatoire des Sciences de l’Univers).

Students education :

From 1992 to date: Co-supervised B. Sc. (DEA) at the University of Messina (Dept. of Animal Biology and Marine Ecology): **16**

1998-2003 Number of co-supervised Ph.D. (completed): **4**

1998-2003 Number of post-doc fellows co-supervised (completed): **1**

2003-2006 Number of co-supervised Ph.D. thesis: **6**

2003-2007 Number of post-doc fellows co-supervised (ongoing): **3**

List of publications

Citation indices	All	Since 2011
Citations	2236	1338
h-index	28	22
i10-index	39	34



67. Crisafi F, Genovese M., Smedile, F., Russo D., Catalfamo M., Yakimov M.M.; Giuliano L., Denaro R. (2016) Bioremediation technologies for polluted seawater sampled after an oil-spill in Taranto Gulf (Italy): A comparison of biostimulation, bioaugmentation and use of a washing agent in microcosm studies. *Marine Pollution Bulletin* 106 (1), 119-126
66. Yakimov M.M., Crisafi F., Messina E., Smedile F., Lopatina A., Denaro R., Pieper D.H., Golyshin P.N., Giuliano L. (2016) Analysis of defence systems and a conjugative IncP-1 plasmid in the marine polyaromatic hydrocarbons-degrading bacterium *Cycloclasticus* sp. 78-ME *Environmental Microbiology Reports* (accepted online: DOI: 10.1111/1758-2229.12424)
65. Gentile G., Bonsignore M., Santisi S., Catalfamo M., Giuliano L., Genovese L., Yakimov MM., Denaro R., Genovese M., Cappello S. (2016) Biodegradation potentiality of psychrophilic bacterial strain *Oleispira antarctica* RB-8 T. *Marine pollution bulletin* 105 (1), 125-130

64. Giordano D., Coppola D., Russo R., Denaro R., Giuliano L., Lauro F.M., di Prisco G., Verde C. (2015) Chapter Four-Marine Microbial Secondary Metabolites: Pathways, Evolution and Physiological Roles. *Advances in microbial physiology* 66, 357-428
63. Crisafi F., Denaro R., Yakimov M.M., Felice M.R., Giuliano L., Genovese L. (2015) NaCl concentration in the medium modulates the secretion of active EmpA protease in *Vibrio anguillarum* at post transcriptional level. *Journal of applied microbiology* 119 (6), 1494-1501
62. Messina E., Denaro R., Crisafi F., Smedile F., Cappello S., Genovese M., Genovese L., Giuliano L., Russo D., Ferrer M., Golyshin P.N., Yakimov, M.M. (2015). Genome sequence of obligate marine polycyclic aromatic hydrocarbons-degrading bacterium *Cycloclasticus* sp. 78-ME isolated from petroleum deposits of the sunken tanker Amoco Milford Haven, Mediterranean Sea. *Marine Genomics* (25): 11-13.
61. Cappello S., Calogero R., Santisi S., Genovese M., Denaro R., Genovese L., Giuliano L., Mancini G., Yakimov, M.M. (2015) Bioremediation of oil polluted marine sediments: A bio-engineering treatment. *International Microbiology* 18 (2), 127-134
60. La Cono V., Arcadi E., La Spada G., Barreca D., Laganà G., Bellocco E., Catalfamo M., Smedile F., Messina E., Giuliano L., Yakimov, M.M. (2015) A three-component microbial consortium from deep-sea salt-saturated anoxic lake thetis links anaerobic glycine betaine degradation with methanogenesis. *Microorganisms* 3 (3), 500-517
59. Smedile F., Scarfi, S., De Domenico E., Garel M., Glanville H., Gentile G., La Cono V., Tamburini C., Giuliano L., Yakimov, M.M. (2015) Variations in Microbial community structure through the stratified water column in the Tyrrhenian sea (central Mediterranean). *Journal of Marine Science and Engineering* 3 (3), 845-865
58. Santisi S., Cappello S., Catalfamo M., Mancini G., Hassanshahian M., Genovese L., Giuliano L., Yakimov, M.M. (2015) Biodegradation of crude oil by individual bacterial strains and a mixed bacterial consortium. *Brazilian Journal of Microbiology* 46 (2), 377-387
57. La Cono V., Smedile F., La Spada G., Arcadi E., Genovese M., Ruggeri G., Lucrezia Genovese, Giuliano L., Yakimov, M.M. (2015) Shifts in meso- e bathypagic archaea communities composition during recovery and short term handling of decompressed deep-sea samples. *Environmental microbiology reports* 7 (3), 450-459
56. Genovese M., Crisafi F., Denaro R., Cappello S., Russo D., Calogero R., Santisi S., Catalfamo M., Modica A., Smedile F., Genovese L., Golyshin P.N., Giuliano L., Yakimov, M.M. (2015) Effective bioremediation strategy for rapid in situ cleanup of anoxic marine sediments in mesocosm oil spill. The metabolic pathways and environmental controls of hydrocarbon biodegradation in marine ecosystems. 146
55. Yakimov M.M., La Cono V., La Spada G., Bortoluzzi G., Messina E., Smedile F., Arcadi E., Borghini M., Ferrer M., Schmitt-Kopplin P., Hertkorn N., Cray J.A., Hallsworth J.E., Golyshin P.N., Giuliano L. (2015) Microbial Community of deep-sea brine Lake Kryos seawater-brine interface is active below the chaotropicity limit of life as revealed by recovery of mRNA. *Environmental microbiology* 17 (2), 364-382

54. Kalogerakis N., Arff, J., Banat IM, Broch O.J., Daffonchio D., Edvardsen, T., Eguiraun H., Giuliano L., Handå A., López-de-Ipiña K., Marigomez I., Martinez I., Øie G., Rojo F., Skjermo J., Zanaroli G., Fava F. (2015) The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. *New biotechnology* 32 (1), 157-167
53. Yakimov MM, V La Cono, M Ferrer, PN Golyshin, L Giuliano (2015) Metagenomics of deep hypersaline anoxic basins. *Encyclopedia of Metagenomics: Environmental Metagenomics*, 341-348
52. Kalogerakis, N., Arff, J., Banat, I.M., Broch, O.J., Daffonchio, D., Edvardsen, T., Eguiraun, H., Giuliano, L., Handå, A., López-de-Ipiña, K., Marigomez, I., Martinez, I., Øie, G., Rojo, F., Skjermo, J., Giulio Zanaroli, G., Fava, F., (2015) The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment *New biotechnology* 32 (1), 157-167
51. Cappello, S., Genovese, M., Denaro, R., Santisi, S., Volta, A., Bonsignore, M., Mancini, G., Giuliano, L., Genovese, L., Yakimov, M.M. (2015) Quick stimulation of *Alcanivorax* sp. by bioemulsificant EPS2003 on microcosm oil spill simulation. *Brazilian Journal of Microbiology* 45 (4), 1317-1323
50. Yakimov, M.M., La Cono, V., Smedile, F., Crisafi, F., Arcadi, E., Leonardi, M., Decembrini, F., Catalfamo, M., Bargiela, R., Ferrer, M., Golyshin, P.N., Giuliano, L. (2014) Heterotrophic bicarbonate assimilation is the main process of *de novo* organic carbon synthesis in hadal zone of the Hellenic Trench, the deepest part of Mediterranean Sea. *Environ. Microbiol.* (in press)
49. Kalogerakis, N., Arff, J., Banat, I. M., Broch, O.J., Daffonchio, D., Edvardsen, T., Harkaitz Eguiraun, H., **Giuliano, L.**, Handå, A., Lopez-de-Ipiña, K., Marigomez, I., Martinez, I., Øie, G., Rojo, F., Skjermo, J., Zanaroli, G., Fava, F. (2014) The role of environmental biotechnology in exploring, exploiting, monitoring, protecting, preserving and decontaminating the marine environment. *New Biotechnology* (in press).
48. Genovese, M., Crisafi, F., Denaro, R., Cappello, Russo, D., Calogero, R., Santisi, S., Catalfamo, M., Modica, A., Smedile, F., Genovese, L., Golyshin, P.N., **Giuliano, L.**, Yakimov, M. (2014) Effective bioremediation strategy for rapid in situ cleanup of anoxic marine sediments in mesocosm oil spill simulation. *Front. Microbiol.* 5 (Art 162): 1-14.
47. Yakimov M, La Cono V, Slepak VZ, La Spada G, Arcadi E, Messina E, Borghini M, Monticelli LS, Rojo D, Barbas C, Golyshina OV, Ferrer M, Golyshin PN, **Giuliano L** (2013) Microbial life in the Lake Medee, the largest deep-sea salt-saturated formation. *Nature Sci. Rep.* 3:3554
46. La Cono V, La Spada G, Arcadi E, Placenti F, Smedile F, Ruggeri G, Michaud L, Raffa C, De Domenico E, Sprovieri M, Mazzola S, Genovese L, **Giuliano L**, Slepak, VZ, Yakimov, MM. (2013) Partaking of Archaea to biogeochemical cycling in oxygen-deficient zones of meromictic saline Lake Faro (Messina, Italy). *Environ Microbiol* 15(6): 1717-33.

45. Smedile F, Messina E, La Cono V, Tsoy O, Monticelli LS, Borghini M, **Giuliano L**, Golyshin PN, Mushegian A, Yakimov MM **(2013)** Metagenomic analysis of hadopelagic microbial assemblages thriving at the deepest part of Mediterranean Sea, Matapan-Vavilov Deep. *Environ Microbiol* 15(1):167-82.
44. Giordano D, Rinelli P, Russo A, Sala A, Azzali M, La Spada G, **Giuliano L**, Crisafi E, De Domenico E, Yakimov M. **(2011)** Phylogenetic relationships of the Antarctic euphausiids inhabiting the Ross Sea and the adjacent regions of southern ocean. *Cahiers de Biologie Marine* 52 (1), pp. 1-11.
43. La Cono V, Smedile F, Bortoluzzi G, Arcadi E, Maimone G, Messina E, Borghini M, Oliveri E, Mazzola S, L'Haridon S, Toffin L, Genovese L, Ferrer M, **Giuliano L**, Golyshin PN, Yakimov MM. **(2011)**. Unveiling microbial life in new deep-sea hypersaline Lake Thetis. Part I: Prokaryotes and environmental settings. *Environ Microbiol.* (8):2250-68.
42. La Cono V, Smedile F, Ferrer M, Golyshin PN, **Giuliano L**, Yakimov MM. **(2010)** Genomic signatures of fifth autotrophic carbon assimilation pathway in bathypelagic Crenarchaeota. *Microb Biotechnol.* (5):595-606.
41. **Giuliano L**, Barbier M, Briand F. Editorial - preview. *Microb Biotechnol.* **(2010)** Sep;3(5):489-90.
40. Grossi V, Yakimov MM, Al Ali B, Tapilatu Y, Cuny P, Goutx M, La Cono V, **Giuliano L**, Tamburini C. (2010) Hydrostatic pressure affects membrane and storage lipid compositions of the piezotolerant hydrocarbon-degrading *Marinobacter hydrocarbonoclasticus* strain #5. *Environ Microbiol.* 12(7):2020-33.
39. Yakimov, M.M., La Cono, V., Smedile, F., Ferrer, M., Golyshin, P.N., **Giuliano, L.** **(2011)**. Contribution of crenarchaeal autotrophic ammonia oxidizers to the dark primary production in Tyrrhenian Deep Waters (Central Mediterranean Sea). *The ISME Journal* 5: 945-961.
38. La Cono, V., Smedile, F., Ferrer, M. Golyshin, P.N., **Giuliano, L.**, Yakimov, M.M. **(2010)** Genomic signatures of fifth autotrophic carbon assimilation pathway in bathypelagic Crenarchaeota. **Microb. Biotechnology** 3 (5): 595-606.
37. Grossi, V., Yakimov, M.M., Al Ali, B., Tapilatu, Y., Cuny, P., Goutx, M., La Cono, V., **Giuliano, L.**, Tamburini, C. (2010). Hydrostatic pressure affects the membrane and storage lipid compositions of the piezotolerant hydrocarbon-degrading *Marinobacter hydrocarbonoclasticus* strain #5. **Env. Microbiol.** 12 (7): 2020-2033.
36. Borin, S., Brusetti L., Mapelli F., D'Auria G.*, Brusa T., Marzorati M., Rizzi A., Yakimov M., Marty D., De Lange G. J., Van der Wielen P., Bolhuis H., McGenity T. J., Polymenakou N. P., Malinverno E., **Giuliano L.**, Corselli C., Daffonchio D. **(2009)**. Sulfur cycling primarily drives microbial colonisation of Urania deep hypersaline basin, the most sulfidic marine body on Earth. **PNAS** 106 (23): 9151-6.
35. Briand, F. **L. Giuliano (2009)** Multi-disciplinary forays into the southern Tyrrhenian Sea, western Mediterranean – CIESM/SUB cruises 1 and 2. Editorial. **Deep Sea Res. II** Vol. 56, Issues 11-12: 675.

34. Genovese M., Denaro R., Cappello S., DiMarco G., La Spada G., **Giuliano L.**, Genovese L., Yakimov M.M. (2008). Bioremediation of BTEX-Contaminated Soil: a Biopile Pilot Experiment. *Journal of Applied Microbiology*. Vol. 105, issue 5: 1694–1702 (IF2006: 2.2)
33. Yakimov, M.M., V. La Cono, R. Denaro, G. D’Auria, F. Decembrini, K. Timmis, P.N. Golyshin, **L. Giuliano**. (2007). Primary producine prokaryotic communities of brine, interface and seawater above the halocline of deep anoxic lake L’Atalante, Eastern Mediterranean Sea. *The ISME Journal* 1: 743-755
32. Hallsworth, J.E., M.M. Yakimov, P.N. Golyshin, J.L.M. Gillion, G. D’Auria, F. de Lima Alves, V. La Cono, M. Genovese, B.A. McKew, S.L. Hayes, G. Harris, L. Giuliano, K.N. Timmis, T.J. McGenity (2007). Limits of life in MgCl₂-containing environments: chaotricity defines the window. *Environm Microbiol* 9(3): 801-13
31. Cappello, S., G. Caruso, D. Zampino, L.S. Monticelli, G. Maimone, B. Tripodo, R. Denaro, M. Troussellier, M.M. Yakimov, **L. Giuliano** (2007). Microbial community dynamics during assays of a harbour oil spill bioremediation: a microscale simulation study. *J Appl Microbiol* 102(1): 184-94.
30. Yakimov M. M., **L. Giuliano**, S. Cappello, R. Denaro, P. N. Golyshin (2007). Microbial Community of a Hydrothermal Mud Vent Underneath the Deep-Sea Anoxic Brine Lake Urania (Eastern Mediterranean). *Orig. Life Evol. Biosph.*, 37(2):177-188 (doi 10.1007/s11084-006-9021-x)
29. Cappello S, Denaro R, Genovese M, **Giuliano L**, Yakimov MM. (2007). Predominant growth of *Alcanivorax* during experiments on "oil spill bioremediation" in mesocosms. *Microbiol Res*, 162 (2): 185-190
28. Gentile G., **L. Giuliano**, G. D’Auria, F. Smedile, M. Azzaro, M. De Domenico, M. M. Yakimov (2006) Study of bacterial communities in Antarctic coastal waters by a combination of 16S rRNA and 16S rDNA sequencing. *Env. Microbiol.* (8) 12: 2150–2161
27. Daffonchio, D., S. Borin, T. Brusa, L. Brusetti, P. W.J.J. van der Wielen, H. Bolhuis, G. D’Auria, M. M. Yakimov, **L. Giuliano**, D. Marty, T.J. McGenity, J.E. Hallsworth, A. Sass, K.N. Timmis, A. Tselepides, G.J. de Lange, A. Hübner, J. Thomson, S.P. Varnavas, F. Gasparoni, H.W. Gerber, E. Malinverno, C. Corselli & Biodeep Scientific Party (2006) “Stratified prokaryote network in the oxic-anoxic transition of a deep sea halocline”. *Nature* 440: 203-207.
26. Yakimov M. M., S. Cappello, E. Crisafi, A. Tursi, A. Savini, C. Corselli, S. Scarfi, **L. Giuliano** (2006) « Phylogenetic survey of metabolically active microbial communities associated with the deep-sea coral *Lophelia pertusa* from the Apulian plateau, central Mediterranean sea » *Deep Sea Res I*. 53 : 62-75.
25. Troussellier, M., P. Got, M. Mboup, D. Corbin, **L. Giuliano**, S. Cappello, M. Bouvy (2005) “Daily bacterioplankton dynamics in a sub-Saharan estuary (Senegal River, West Africa): a mesocosm study “ *Aquat. Microb. Ecol.* 40: 13-24

24. Yakimov, M.M. R. Denaro, M. Genovese, S. Cappello, G. D'Auria, T. N. Chernikova, K. N. Timmis, P. N. Golyshin, L. Giuliano (2005) Natural microbial diversity in superficial sediments of Milazzo Harbor (Sicily) and community successions during microcosm enrichment with various hydrocarbons. **Environm. Microbiol.** 7 (9): 1426-1441
23. van der Wielen, P. W. J. J., H. Bolhuis, S. Bolin, D. Daffonchio, C. Corselli, G. D'Auria, L. Giuliano, G. J. de Lange, A. Huebner, S. P. Varnavas, J. Thompson, C. Tamburini, D. Marty, T. J. McGenity and K. N. Timmis (2005) *The enigma of prokaryotic life in deep hypersaline anoxic basins.* **Science** 307: 121-123.
22. Denaro R., G. D'Auria, G. Di Marco, M. Genovese, M. Troussellier, M.M. Yakimov, L. Giuliano (2005) *Assessing T-RFLP suitability for the description of bacterial community structure and dynamics in oil-polluted marine environments* **Environm. Microbiol.** 7 (1): 78-87.
21. Yakimov M.M., G. Gentile, V. Bruni, S. Cappello, V. Bonasera, P.N. Golyshin and L. Giuliano (2004) *Natural and oil-degrading bacterial communities in a coastal area of Ross Sea (Antarctica) and characterization of cultured cold-adapted hydrocarbonoclastic bacteria.* **FEMS Microbiol. Ecol.** 49 (3): 419-432.
20. Caruso G., Denaro R., Genovese M., Giuliano L., Mancuso M., Yakimov M.M. (2004) *New methodological strategies for detecting bacterial indicators.* **Chemistry and Ecology** : 20 (3): 167-181.
19. Luna G.M., A. Dell'Anno, L. Giuliano, R. Danovaro (2004) *Bacterial diversity in deep Mediterranean sediments: relationship with the active bacterial fraction and substrate availability* **Environm. Microbiol.** 6(7): 745-753.
18. Yakimov M.M., L. Giuliano, R. Denaro, E. Crisafi, T.N. Chernikova, W.-R. Abraham, H. Lünsdorf, K.N. Timmis, P.N. Golyshin (2004). *Thalassolitus oleivorans gen. nov. sp. nov., a new marine bacterium confined to the utilization of hydrocarbons.* **Int. J. Syst. Evol. Microbiol.** 54: 141-148.
17. Fry J.C., L. Giuliano, P.N. Golyshin (2003) *New tools for elucidating the ecology of microorganisms in aquatic environments.* (Editorial) **FEMS Microbiol. Ecol.** 46: 231.
16. Gentile G.*, V. Bonasera, C. Amico, L. Giuliano and M.M. Yakimov (2003) *Shewanella livingstonensis GA-22, a psychrophilic hydrocarbonoclastic Antarctic bacterium producing polyunsaturated fatty acids.* **J. Appl. Microbiol.** 95(5): 1124-1133.
15. Yakimov M.M., L. Giuliano, G. Gentile, E. Crisafi, T.N. Chernikova, W-R. Abraham, H. Lünsdorf, K. N. Timmis, P. N. Golyshin (2003). *Oleispira antarctica gen. nov., sp. nov., a novel hydrocarbonoclastic marine bacterium isolated from Antarctic coastal sea water.* **Int. J. Syst. Evol. Microbiol.** 53: 779-785
14. Yakimov, M.M., L. Giuliano, E. Crisafi, T.N. Chernikova, K.N. Timmis, P.N. Golyshin (2002). *Microbial community of a saline mud volcano at San Biagio-Belpasso, Mt. Etna (Italy).* **Environm. Microbiol** 4/5: 249-256. (3.649)

13. Yakimov M.M., **L. Giuliano**, K.N. Timmis, P.N. Golyshin (2001) *Upstream-independent ribosomal RNA amplification Analysis (URA): a novel approach to characterize the diversity and structure of natural microbial communities*. **Environm Microbiol** **3**: 662-666.
12. Yakimov M.M., **L.Giuliano**, T. Chernikova, G.Gentile, W.R.Abraham, H.Lunsdorf, K.N.Timmis, P.G. Golyshin (2001). *Alkalilimnicola halodurans, gen.nov., sp.nov. an alkaliphilic extremely halotolerant bacterium isolated from sediments of soda-depositing lake Natron, Tanzania*. **Int. J. Syst. Evolut. Microbiol.** **51**: 2133-2143.
11. Yakimov M.M. **Giuliano L.**, K.N.Timmis, P.M.Golyshin (2000). *Recombinant Acylheptapeptide lichenysin A: high level of production by recombinant Bacillus subtilis cells*. **J. Mol. Microbiol. Biotechnol**, **2**(2):217-224
10. Yakimov M.M., W.-R Abraham, H. Meyer, **Giuliano L.**, P.M. Golyshin, (1999). *Structural characterization of lichenysin A components by fast atom bombardment (FAB) tandem mass spectrometry (MS/MS)*. **BBA -Biochimica et Biophysica Acta**, **1438**: 273-280.
9. Golyshin, P.N., H.L. Frederickson, **L. Giuliano**, R. Rothmel, K.N. Timmis, M.M. Yakimov (1999). *Effect of novel biosurfactants on biodegradation of polychlorinated biphenils by pure and mixed bacterial cultures*. **The New Microbiol.**, **22**: 257-267.
8. Yakimov M.M., **L. Giuliano**, V. Bruni, S. Scarfi', P.M. Golyshin. (1999). *Characterization of antarctic hydrocarbon-degrading bacteria capable to produce bioemulsifiers*. **The New Microbiologica**. **22**: 249-256.
7. Yakimov M.M., W.-R Abraham, H. Meyer, **L. Giuliano**, P.M. Golyshin, (1999). *Structural characterization of lichenysin A components by fast atom bombardment (FAB) tandem mass spectrometry (MS/MS)*. **BBA -Biochimica et Biophysica Acta**, **1438**: 273-280.
6. Yakimov M. M., A. Kroger, T. N. Slepak, **L. Giuliano**, K. N. Timmis and P. N. Golyshin. (1998). *A putative lichenysin A synthetase operon in Bacillus licheniformis: initial characterization*. **BBA Biochim. Biophys. Acta**. **1399** (2-3):141-53.
5. **Giuliano L.**, P. Furci, M. De Domenico, V. Bruni, L. Salomone, V. Alonzo. (1999). *Variability of some microbial parameters in relation to the hydrological features of the water column in the Eolian basin (Southern Tyrrhenian Sea)*. **The New Microbiol.** **22**: 139-150.
4. **Giuliano L.**, E. De Domenico, M. De Domenico, M.G. Höfle, M.M.Yakimov. (1999). *Identification of Culturable oligotrophic bacteria within naturally occurring marine bacterioplankton communities of the Ligurian Sea by 16S rRNA sequencing and probing*. **Microb. Ecol.** **37**: 77-85
3. Yakimov M.M., A. Kröger, T.N. Slepak, **L. Giuliano**, K.N.Timmis, P.M. Golyshin (1998). *A putative lichenysin A synthetase operon in Bacillus licheniformis: initial characterization*. **BBA Biochim. Biophys. Acta**, **1399**: 141-153.
2. Talbot V., **L. Giuliano**, V. Bruni, M. Bianchi. (1997). *Bacterial abundance, production and ectoproteolytic activity in the Strait of Magellan* **Mar. Ecology Progr. Ser.**, **154**: 293-302.

1. Bianchi A., **L. Giuliano (1996)**. *Enumeration of viable bacteria in the Marine Pelagic Environment Appl. Environm. Microbiol.*, **62**(1): 174-177.

BOOKS' CHAPTERS

9. **Giuliano, L. (2013)** 'Marine Biotechnology – scientific and legal challenges' . Proceedings of the Congress on the Law of the Sea, (Porto, PT, Nov. 2012). Coimbra Ed.
8. **Giuliano L. (2012)** "Blue Biotechnologies – Bridges between Marine and Maritime Sectors" In: TURAN C (Ed) TUDAV Publ. 36. P.1-9
7. **Giuliano L. (2004)** "Frontiers in deep-sea biological research: towards understanding the functional and structural adaptation of marine microbial communities to the deep-sea ocean margins." EUROCEAN 2004 Conference.
6. **Giuliano L. (2003)** "Bacterial diversity in the Mediterranean and Black Seas: A comparative approach". International Conference on Sustainable Development of the Mediterranean and Black Sea Environment (IASON).
5. **Giuliano L., C. Tamburini, A. Tursi, and C. Corselli (2003)** Deep-sea bacteria: the Mediterranean sea as a model environment. CIESM, 2003. *In: Mare Incognitum? Exploring Mediterranean deep-sea biology. CIESM Workshop Monographs n°23*, 128-Monaco: pp 61-66.
4. **Giuliano L., M. De Domenico, M.M.Yakimov. (1999)**. *Distribution of representative oligotrophic bacteria in a pelagic marine environment (Ligurian Sea) by in situ hybridization with rRNA-targeted, fluorescently labelled oligonucleotides*. In: Structures and processes in the mediterranean ecosystems. Faranda, F. M., L. Guglielmo, and G. Spezie (Eds.). Springer Verlag. pp.191-195
3. **Giuliano L. (1997)**. *Analysis of the natural bacterioplankton community structure in a marine oligotrophic environment (Ligurian Sea)*. Scientific Annual Report 1997. G. H. Walsdorff (Ed.). GBF National Center for Biotechnology Ltd., Braunschweig - Stoeckheim ISSN0935-0497
2. Bruni V., M. De Domenico, **L. Giuliano**, V. Talbot, E. De Domenico **(1995)**. *Bacterioplankton in the Straits of Magellan (March-April 1995)* Nat.Sc.Com.Ant., Magellan Cruise-Faranda F.M., Guglielmo L., Povero P. (Eds.), pp. 83-98
1. Bruni V., M. De Domenico, **L. Giuliano**, E. De Domenico **(1996)**. *Ulteriori indagini sul batterioplancton nell'area delle Isole Eolie* In: EOCUMM95-F.M.Faranda Ed.pp. 147-159

Highlights of the National research

Darwin (Scientific Press) (Jan-Feb, 2005): "*Mare Nostrum: vicino e ancora ignoto*"

Focus (CNR yearly selection for press) 2003: *I batteri “mangiatori di petrolio”: prospettive per la bioremediation*

Focus (CNR yearly selection for press) 2002: *Popolazioni batteriche vive caratteristiche dei bacini profondi ipersalini ed anossici del Mar Mediterraneo*

Cross-sector thematic Issues

2013 (September) : Marine Biotechnology in a changing world. L. Giuliano, Kiminori Ushida. ICES Insight Issue N.50

2011 (March) : Potential of videogames in marine resources governance – Report on CIESM International Workshop, F. Briand, **L. Giuliano** Eds.

2010 (November) : New Partnerships for Blue Biotechnology Development - Innovative solutions from the sea - Report on CIESM International Workshop, F. Briand, **L. Giuliano** & M. Barbier Eds.

2010 (September) International Journal “Microbial Biotechnology”, Special Issue N. 3 (5). **L. Giuliano**, M. Barbier , F. Briand Eds.