



**UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI**

**VERBALE DELLA RIUNIONE TELEMATICA DEL CONSIGLIO DI DOTTORATO IN
“BIOLOGIA APPLICATA E MEDICINA SPERIMENTALE”**

DEL 06/11/2020

AD HORAS

Il Consiglio si è riunito per via telematica il giorno **06 Novembre 2020** per discutere e deliberare sui seguenti punti all'O.d.G.:

- 1. Graduatoria di ammissione al XXXVI Ciclo di Dottorato in Biologia Applicata e Medicina Sperimentale;**
- 2. Proposta di tutor per i dottorandi del XXXVI ciclo in Biologia Applicata e Medicina Sperimentale;**
- 3. Proposta Commissione, luogo e data per gli esami finali XXXIII Ciclo in Biologia Applicata e Medicina Sperimentale;**
- 4. Proposta Dottorato honoris causa alla Prof.ssa Laura Giuliano;**

Il Coordinatore per via telematica chiede a tutti i componenti del dottorato di esprimersi entro le **ore 13:30 del 06.11.2020** a decorrere dal **03.11.2020**, giusta convocazione telematica, AD HORAS, sui punti all'O.d.G.

PRIMO PUNTO ALL'O.D.G.:

Il Coordinatore comunica di aver ricevuto dall'ufficio dottorandi la graduatoria dei dottorandi ammessi al XXXVI Ciclo di Dottorato in Biologia Applicata e Medicina Sperimentale, con avvio in data 01.11.2020 e che risulta così composta:

- | | |
|---------------------------------|-----------------|
| 1. Scuderi Sarah Adriana | Borsa Unime/MUR |
| 2. D'Iglio Claudio | Borsa UnimeMUR |



UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI

3. Ferrara Erik Francesco	Borsa Unime/MUR
4. Gervasi Claudio	Borsa Unime/MUR
5. Terzo Stella Maria Concetta	Borsa SZN
6. Famulari Sergio	Borsa Unime/MUR
7. Laface Federica	Borsa SZN
8. Palummo Valeria	Borsa SZN
9. Ricci Federico	Borsa Unime/ MUR
10. Calapai Fabrizio	Borsa AOU
11. Spanò Antonio	Senza borsa
12. Stipa Mariagiulia	Senza borsa
13. Natalotto Antonino	Senza borsa

In data 28 ottobre 2020, l'UOP Dottorati di Ricerca, a seguito di decadenza del Dott. Antonino Natalotto comunicava lo scorrimento della graduatoria a favore del **Dott. Kristian Riolo**.

I seguenti componenti del collegio hanno preso visione della graduatoria di ammissione al XXXVI° Ciclo:

Arcoraci Vincenzo, Granata Antonia, Visalli Giuseppa, Faggio Caterina, Cordaro Marika, Romeo Orazio, Capillo Gioele, Genovese Giuseppa, Angileri Filippo Flavio, Barreca Davide, Calapai Gioacchino, Di Paola Rosanna, De Leo Filomena, Galbo Roberta, Germanò Maria Paola, Giannetto Alessia, Guglielmino Salvatore, Lauriano Eugenia Rita, Maisano Maria, Mandalari Giuseppina, Marino Andreana, Marino Angela, Mauceri Angela Rita, Morabito Marina, Morabito Rossana, Navarra Michele, Lanteri Giovanni, Mondello Stefania, Gitto Rosaria, Tellone Ester, Ientile Riccardo, Di Pietro Angela, Cappello Tiziana, Esposito Emanuela, Nostro Antonia, Parrino Vincenzo, Paterniti Irene, Saija Antonina, Sciortino Maria Teresa, Impellizzeri Daniela, Speciale Antonio, Trifilò Patrizia, Trombetta Domenico, Urzì Clara Enza, Costa Chiara, Palmara Vittorio, Sidoti Antonina, Gugliandolo Concetta, Cimino Francesco, Cristani Maria Teresa e De Luca Laura .

Non hanno partecipato alla votazione per via telematica i prof.ri:

Marino Fabio e Cuzzocrea Salvatore



UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI

SECONDO PUNTO ALL'O.D.G.:

Il Coordinatore per quanto attiene il secondo punto all'O.d.G comunica di aver ricevuto dai dottorandi la richiesta di assegnazione dei tutor e ne propone l'approvazione secondo la tabella:

	TUTOR	CO-TUTOR
1. Scuderi Sarah Adriana	Prof. Emanuela Esposito	Prof.
2. D'Iglio Claudio	Prof. Gioele Capillo	Prof.
3. Ferrara Erik Francesco	Prof. Orazio Romeo	Prof.
4. Gervasi Claudio	Prof. Fabio Marino	Prof.
5. Terzo Stella Maria Concetta	Prof. Nunziacarla Spanò	Prof. Gianluca Sarà – Dott. Donatella De Pascale (SZN)
6. Famulari Sergio	Prof. Nunzacarla Spanò	Prof.
7. Laface Federica	Prof. Nunziacarla Spanò	Dott. Teresa Romeo (SZN)
8. Palummo Valeria	Prof. Antonia Granata	Dott. Silvio Greco
9. Ricci Federico	Prof. Laura De Luca	Prof.
10. Calapai Fabrizio	Prof. Emanuela Esposito	Prof.
11. Spanò Antonio	Prof. Concetta Gugliandolo	Prof.
12. Stipa Mariagiulia	Prof. Antonia Granata	Dott. Pietro Battaglia (SZN)
13. Riolo Kristian	Prof. Alessia Giannetto	Prof.

I seguenti componenti del collegio hanno espresso parere favorevole alla richiesta di assegnazione dei tutor:

Arcoraci Vincenzo, Granata Antonia, Visalli Giuseppa, Faggio Caterina, Cordaro Marika, Romeo Orazio, Capillo Gioele, Genovese Giuseppa, Angileri Filippo Flavio, Barreca Davide, Calapai



UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI

Gioacchino, Di Paola Rosanna, De Leo Filomena, Galbo Roberta, Germanò Maria Paola, Giannetto Alessia, Guglielmino Salvatore, Lauriano Eugenia Rita, Maisano Maria, Mandalari Giuseppina, Marino Andreana, Marino Angela, Mauceri Angela Rita, Morabito Marina, Morabito Rossana, Navarra Michele, Lanteri Giovanni, Mondello Stefania, Gitto Rosaria, Tellone Ester, Ientile Riccardo, Di Pietro Angela, Cappello Tiziana, Esposito Emanuela, Nostro Antonia, Parrino Vincenzo, Paterniti Irene, Saija Antonina, Sciortino Maria Teresa, Impellizzeri Daniela, Speciale Antonio, Trifilò Patrizia, Trombetta Domenico, Urzì Clara Enza, Costa Chiara, Palmara Vittorio, Sidoti Antonina, Gugliandolo Concetta, Cimino Francesco, Cristani Maria Teresa e De Luca Laura .

Non hanno partecipato alla votazione per via telematica i prof.ri:

Marino Fabio e Cuzzocrea Salvatore

TERZO PUNTO ALL'O.D.G.:

Il Coordinatore per quanto attiene il terzo punto all'O.d.G. propone la seguente composizione della Commissione per l'esame finale di Dottorato, valida anche per la nomina come Doctor Europeus, che si terrà martedì **24 Novembre 2020 alle ore 10:00 sulla piattaforma Teams e presso l'aula HT14 sita al piano terra dell'incubatore d'impresa sito in Viale Ferdinando Stagno D'Alcontres n.31.**

Membri	Cognome e nome	- Università e Dipartimento - Indirizzo e mail
Effettivi	Prof. Gioacchino Calapai	Università degli Studi di Messina gioacchino.calapai@unime.it
	Prof. Vittorio Calabrese	Università degli Studi di Catania calabres@unict.it
	Prof. Árni Kristmundsson	University of Iceland rac@sund.ku.dk
Supplente (Docente esterno)*	Prof.ssa Angela Trovato	Università degli Studi di Catania atrovato@unict.it



UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI

Supplente (Docente interno)**	Prof.ssa Antonia Granata	Università degli Studi di Messina antonia.granata@unime.it
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I seguenti componenti del collegio hanno espresso parere favorevole alla nomina della commissione per l'espletamento degli esami finali:

Arcoraci Vincenzo, Granata Antonia, Visalli Giuseppa, Faggio Caterina, Cordaro Marika, Romeo Orazio, Capillo Gioele, Genovese Giuseppa, Angileri Filippo Flavio, Barreca Davide, Calapai Gioacchino, Di Paola Rosanna, De Leo Filomena, Galbo Roberta, Germanò Maria Paola, Giannetto Alessia, Guglielmino Salvatore, Lauriano Eugenia Rita, Maisano Maria, Mandalari Giuseppina, Marino Andreana, Marino Angela, Mauceri Angela Rita, Morabito Marina, Morabito Rossana, Navarra Michele, Lanteri Giovanni, Mondello Stefania, Gitto Rosaria, Tellone Ester, Ientile Riccardo, Di Pietro Angela, Cappello Tiziana, Esposito Emanuela, Nostro Antonia, Parrino Vincenzo, Paterniti Irene, Saija Antonina, Sciortino Maria Teresa, Impellizzeri Daniela, Speciale Antonio, Trifilò Patrizia, Trombetta Domenico, Urzì Clara Enza, Costa Chiara, Palmara Vittorio, Sidoti Antonina, Gugliandolo Concetta, Cimino Francesco, Cristani Maria Teresa e De Luca Laura .

Non hanno partecipato alla votazione per via telematica i prof.ri:

Marino Fabio e Cuzzocrea Salvatore

QUARTO PUNTO ALL'O.D.G.:

Il Coordinatore per quanto attiene il quarto punto all'O.d.G. comunica che vi è la possibilità di assegnare alla Prof.ssa **Laura Giuliano** Direttore Scientifico presso la Mediterranean Science Commission (CIESM) di Monaco (Principato di Monaco), il Dottorato honoris causa. Durante la sua carriera si è occupata di modelli naturali microbici marini in relazione alle caratteristiche geologiche ed oceanografiche e alle potenziali applicazioni industriali associate ai meccanismi microbici di adattamento. La Prof.ssa Giuliano si è anche occupata degli sviluppi di nuove tecniche basate sulla combinazione di coltivazione e metodologie molecolari. Ritengo personalmente un



UNIVERSITÀ DEGLI STUDI DI MESSINA
DIPARTIMENTO DI SCIENZE CHIMICHE, BIOLOGICHE,
FARMACEUTICHE E AMBIENTALI

grande privilegio associare il nostro dottorato alla figura della Prof.ssa Giuliano che ha dato un importante contributo agli studi sulla Biologia Marina.

I seguenti componenti del collegio hanno espresso parere favorevole all'assegnazione alla Prof.ssa

Laura Giuliano del Dottorato honoris causa:

Arcoraci Vincenzo, Granata Antonia, Visalli Giuseppa, Faggio Caterina, Cordaro Marika, Romeo Orazio, Capillo Gioele, Genovese Giuseppa, Angileri Filippo Flavio, Barreca Davide, Calapai Gioacchino, Di Paola Rosanna, De Leo Filomena, Galbo Roberta, Germanò Maria Paola, Giannetto Alessia, Guglielmino Salvatore, Lauriano Eugenia Rita, Maisano Maria, Mandalari Giuseppina, Marino Andreana, Marino Angela, Mauceri Angela Rita, Morabito Marina, Morabito Rossana, Navarra Michele, Lanteri Giovanni, Mondello Stefania, Gitto Rosaria, Tellone Ester, Ientile Riccardo, Di Pietro Angela, Cappello Tiziana, Esposito Emanuela, Nostro Antonia, Parrino Vincenzo, Paterniti Irene, Saija Antonina, Sciortino Maria Teresa, Impellizzeri Daniela, Speciale Antonio, Trifilò Patrizia, Trombetta Domenico, Urzì Clara Enza, Costa Chiara, Palmara Vittorio, Sidoti Antonina, Gugliandolo Concetta, Cimino Francesco, Cristani Maria Teresa e De Luca Laura .

Non hanno partecipato alla votazione per via telematica i prof.ri:

Marino Fabio e Cuzzocrea Salvatore

Il presente verbale è letto, approvato e sottoscritto, seduta stante.

Il segretario

(Prof.ssa Angela Marino)

Il Coordinatore

(Prof.ssa Nunziata Spanò)

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** – previously Research Director (DRI) at the Coastal Marine Environment Institute (IAMC) Section of Messina, of the National Research Council (CNR), is currently Scientific Director at the Mediterranean Science Commission (CIESM).

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). She was Member of the Scientific Advisory Board of the European Federation of Biotechnology (EFB, 2013), and Member of the Strategic Advisory Board (StAB) of the JPI Ocean (2012-2017).

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
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	Fondazione Bonino-Pulejo. Work carried out at Lab. of Micr., CNRS, Marseilles, France
1993-1996	Ph.D student	Univ. Messina, Italy – work in collaboration with CNRS Marseilles, France
1994	NATO-Adv. Student	“Mol. Ecol. Aq. Microbes”; Siena, Italy
1997-1999	Post-doc fellow	Univ. Messina, Italy – work in collaboration with 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
2014-2016	Director	IAMC, CNR, Messina, Italy
2016 to date	Scientific Director	CIESM – The Mediterranean Science Commission (MC)

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	PI, It. Ref.

2002-2004	PNRA, IT	Metabolites with Industrial Applications Bacteria from Antarctica marine environments: possibility of industrial applications	PI
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
2020	UN-Decade of Ocean Science for Sustainable Development (2021-2030) – regional workshop.	Venice, Italy, 21-23 January
2020	Intl. Symposium: 'Human Health & the Ocean'	Monaco, 2-3 December

Scientific multidisciplinary cruises** chief of cruise*

Year	Month	Nationality	R/V	Cruise name	Geografic 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, renewed for a second mandate*)

- 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** Sponsor of the School of Engineering 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, 4-5 April	Inv. Speaker	Workshop on application of genomic tools for biomonitoring of marine environment: from technology to legal and socio- economic aspects
2016	OCDE, Symposium: The Future of the Ocean Economy, Seoul, (SKorea), 27-28 April	Inv. Speaker	Climate change and pollution – technical, scientific and legal challenges. L Giuliano & I. Martinez
2019	BLUEMED for a Plastic- free Healthy Mediterranean Sea. 12 March, Brussels (BE)	Inv. Speaker	
2019	'New insights on gene regulations - lessons from the sea (microbial) life' CIESM round table, 29 March, Monaco (Musée Océanographique)		
2019	OTGA/DOALOS Training Course: Conduct of Marine Scientific Research (MSR) under the United Nations Convention on the Law of the Sea (UNCLOS), 6-10 May, Ostende (BE)	Inv. teacher	Marine scientific research in the Mediterranean region – Challenges and perspectives (
2019	GESAMP International Workshop on assessing the risks associated with plastics and microplastics in the marine environment, 21-23 May 2019, Geneva, Switzerland	Inv. Speaker	Pathogens thrive on ocean plastics
2019	21st MBSHC Conference, 11-13 June, Cadiz (ES)	Invited speaker 4.4 Cooperation / doc: MBSHC21- 04.4 CIESM	- CIESM Actions of possible interest to MBSCH

Activities that
may affect
MBSHC (CIESM)
(to be
confirmed).

- 2020** Mediterranean regional Member of Working Group II: A healthy & resilient Mediterranean Sea
workshop within the UN- *steering*
Decade of Ocean Science *committee*
for Sustainable
Development (2021-
2030); 21-23 January,
Venice (IT)
- 2020** Human Health & the Member of the
Ocean, 2-3 December, Sc. Board
Monaco

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.ciesmseaforum.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, November2001-November2002).
- 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 modale 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).

List of publications

73. La Cono V., Messina E., Rohde M., Arcadi E., Ciordia S., Crisafi F., Denaro R., Ferrer M. Giuliano L., Golyshin P.N., Golishina O.V., Hallsworth J.E., La Spada G., Mena M.C. Merkel A.Y., Shevchenko M.A., Smedile F., Sorokin D.Y., Toshchakov S.V., Yakimov M.M. (2020) Symbiosis between nanohaloarchaeon and haloarchaeon is based on utilization of different polysaccharides. *PNAS* 117 (33): 1-12.
72. La Cono V., Bortoluzzi G., Messina E., La Spada G., Smedile F., Giuliano L., Borghini M., Stumpp C., Schmitt-Kopplin P., Harir M., O'Neill W. K., Hallsworth J.E., M.M. Yakimov (2019) The discovery of Lake Hephaestus, the youngest athalassoline deep-sea formation on Earth. *Scientific reports* 9 (1), 1679
71. La Cono V., Messina E., Rohde M., Arcadi E., Ciordia S., Crisafi F., Denaro R., Ferrer M., Giuliano L., Golyshin P.N., Golyshina O.G., Hallsworth J.E., La Spada G., Mena M.C., Shevchenko M.A., Smedile F., Sorokin D.Y., Toshchakov S.V., Mushegian A., M.M. Yakimov (2019). Differential polysaccharide utilization is the basis for a nanohaloarchaeon: haloarchaeon symbiosis. *BioRxiv* Oct. 7, 2019 doi: <http://dx.doi.org/10.1101/794461>
70. Giuliano L., Labes A., Reich M., Verde C. (2017) Navigating the Future: Cross-sector Marine Genomics . *Marine genomics* (36), 1-2.
69. Bortoluzzi G., Romeo T., La Cono V., G La Spada, Smedile F., V Esposito, Sabatino G., Di Bella M., Canese S., Scotti G., Bo M., Giuliano L., Jones D., Golyshin P.N., Yakimov M.M., Andaloro F. (2017) Ferrous iron and ammonium rich diffuse vents support habitat-specific communities in a shallow hydrothermal field off the Basiluzzo Islet (Aeolian Volcanic Archipelago) *Geobiology* 15 (5), 664-677
69. Bortoluzzi G., Romeo T., La Cono V., G La Spada, Smedile F., V Esposito, Sabatino G., Di Bella M., Canese S., Scotti G., Bo M., **Giuliano L.**, Jones D., Golyshin P.N., Yakimov M.M., Andaloro F. (2017) Ferrous iron and ammonium rich diffuse vents support habitat-specific communities in a shallow hydrothermal field off the Basiluzzo Islet (Aeolian Volcanic Archipelago) **Geobiology** 15 (5), 664-677
68. La Cono V., Ruggeri G., Azzaro M., Crisafi,F., Decembrini F., Denaro R., La Spada G., Maimone G., *Monticelli L. S., Smedile F., Giuliano L., Yakimov M.M.* (2018) Contribution of Bicarbonate Assimilation to Carbon Pool Dynamics in the Deep Mediterranean Sea and Cultivation of Actively Nitrifying and CO₂-Fixing Bathypelagic Prokaryotic Consortia *Front. Microbiol.* 3 (9) doi: 10.3389/fmicb.2018.00003
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 **Environ. Microbiol. 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 *Cyclocasticus* 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., Genovese L., **Giuliano L.**, Yakimov, M.M. (2015) Shifts in meso- e bathypelagic archaea communities composition during recovery and short term handling of decompressed deep-sea samples. **Env. Microbiol. 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. **Env. Microbiol.** 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.** (6): 709-722.
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.

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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 (IF**2006**: 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.
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bacterioplankton dynamics in a sub-Saharan estuary (Senegal River, West Africa): a mesocosm study “ **Aquat. Microb. Ecol.** 40: 13-24

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