

PERSONAL INFORMATION

Marina MORABITO



📍 Via Archimede, 15/F, 98158 Messina, Italy

☎ +39 090 6765745 📠

✉ morabitom@unime.it

🌐 <https://www.unime.it/it/persona/marina-morabito>

Sex Female | Date of birth 30/05/1973 | Nationality Italian

ORCID ID: orcid.org/0000-0002-0224-2113

SCOPUS profile: www.scopus.com/authid/detail.uri?authorId=15136762600

WOS profile: <https://www.webofscience.com/wos/author/record/H-9309-2012>

WORK EXPERIENCE

from 2018 - to present

Associate Professor in Systematic Botany (S.S.D. BIO/02)

University of Messina, Italy

- (2021 - present) Coordinator of the course Marine and Terrestrial Environmental Sciences (triennial degree, L-32)

from 2006 - to 2018

Researcher and Aggregate Professor in Botany (S.S.D. BIO/01)

University of Messina, Italy

from 2006 - to present

Research responsibilities

University of Messina, Italy

- (2020 - present) Member of the research group Forensic Geology and Biology (GeoBioFor)
- (2017 - present) Member of the Technical, Scientific and Management Committee of the "Orto Botanico Pietro Castelli"
- (2009 - present) Founder and Curator of the Phycological Lab Herbarium (PhL in Index Herbariorum)
- (2009 - present) Coordinator of the research group of Phycology and Molecular Phylogenetics
- (2009 - present) Member of the research group of Applied Phycology
- (2007 - 2009) Manager of the Laboratory of Phycology

June 2012

International Mobility (Research)

University of Ghent, Belgium

- Erasmus Staff mobility at the Department of Biology (Researcher at the University of Messina, Italy)

July-September 2011

International Mobility (Research)

Muséum National d'Histoire Naturelle, Paris, France

- Visiting Researcher at the Institut de Systématique, Evolution, Biodiversité (Researcher at the University of Messina, Italy)

from 2006 - to present

Teaching responsibilities

University of Messina (UniME), Italy

- Traceability and labelling of products of plant origin (6 CFU, triennial degree in Sustainability and Environmental Innovation), 2021 to present;
- Systematic Botany (6 CFU, triennial degree in Marine and Terrestrial Environmental Sciences), 2021 to present;
- Systematic Botany with exercises (6 CFU, triennial degree in Sciences of Environment and Nature), in 2020-21;
- Systematic Botany (6 CFU, triennial degree in Biological Sciences), 2018 to present;
- Plant Biology (3 CFU, module within the course of Food and Nutrition of Farm Animals, master degree in Veterinary Medicine), 2015 to 2020;
- General Botany (7 CFU, triennial degree in Biological Sciences), 2011 to 2020;
- Botany (6 CFU, triennial degree in Marine biology and ecology), 2007-2013;
- Evolution and diversity of plants (4 CFU, optional, master degree in Biology), 2011-2014;

- Biology of reproduction of algae (6 CFU, optional, triennial degree in Biological Sciences), 2009-2015;
- Phylogenetic methods for plants (4 CFU, optional, master degree in Biology), 2008-2011;
- Faculty member in the Doctorate School of Applied Biology and Experimental Medicine, 2013 to present;
- Faculty member in the Doctorate School of Experimental Sciences Applied to Animals, 2012-2013;
- Faculty member in the Doctorate School of Tourism, Territory and Environment, 2009-2012;
- Faculty member in the Doctorate School of Biology of Algae, 2007-2008 to 2008-2009;
- Department delegate to the Internationalization for the degree courses of Marine Biology and Ecology and Biology and Ecology of the Marine and Coastal Environment (2011 to 2013);
- Direction of thesis preparation for triennial, master and PhD students (2006-present)

June 2022 **Teaching responsibilities (international)**

University of Concepción, Chile

- Applied Phycology (master and PhD degrees in the faculty of Biological Sciences, Erasmus program) (3 ECTS), 6-17/06/2022

from 2017 - to present **Committee member**

University of Messina (UniME), Italy

- Quality Insurance Committee (AQ) of the triennial degrees in Marine and Terrestrial Environment / Sciences of Environment and Nature, 2020 to present;
- Focus group for Didactics of the Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, 2020 to 2021;
- Quality Insurance Committee (AQ) of the triennial degree in Biological Sciences, 2017 to present

1997-2006 **Teaching assistantship**

University of Messina (UniME), Italy

- "Cultore della materia" (Scholar) in Botany (SSD BIO/01);
- Teaching assistant in courses of Systematic Botany and Botany (SSD BIO/02, BIO/01) in the triennial degree of Marine Biology and Ecology and in the master degree of Biology and Ecology of the Marine and Coastal Environment, 2005;
- Seminars of "Introduction to biology, diversity and economic uses of algae" to undergraduate students in Biology and Natural Sciences, 2004-2005;
- Support in laboratory work to undergraduate and PhD students, 1998-2005;
- Teaching assistant in laboratory lessons to undergraduate students (courses: Biology of algae, Marine Botany, Marine Systematic Botany, Developmental Biology of marine plant, Laboratory methods in Botany, Economic Marine Algae), 1997-2005.

2006 - present **Extra-University teaching**

- Lectures on macroalgal diversity and commercial applications for cultural associations

January-May 2002 **Extra-University teaching**

Farm "Polito", Vibo Valenzia, Italy

- Teacher in lessons of "Plant diversity and evolution" to secondary school students

1997-1998 **Extra-University teaching**

Botanical Garden, University of Messina, Italy

- Service as visitor guide (Plant diversity and evolution)

EDUCATION AND TRAINING

1996 - 2001 **PhD in Biology of Algae**

University of Messina, Italy

1991 - 1997 **Laurea Degree in Biological Sciences (Master equivalent)**

University of Messina, Italy

- final evaluation: summa cum laudae
- 2001-2002 **Specialization in Officinal plants**
University of Messina, Italy
- 2000 **Specialization in Cladistics – Isozymes electrophoresis**
University of Messina, Italy
- 1999 **Specialization in Molecular biology techniques applied to ecology and taxonomy of macroalgae**
University of Messina, Italy
- 1996, 1998, 2000 **Specialization in Phycology**
Società Botanica Italiana, Algology working group, Italy
- 1997 - 1998 **Apprenticeship as Biologist (Botany/Microbiology)**
University of Messina, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills
- Good communication skills gained through my teaching experience (both to University students and general public) and conferences attended.
- Organisational / managerial skills
- Good organization skills gained through my experience as laboratory coordinator (with several student supervised) and as member of AQ committee and Course coordinator.
- Computer skills
- Good skills in basic software (Office) and in bioinformatics software (sequence assembling and aligning, cladistics and phylogenetics).
- Driving licence
- B

ADDITIONAL INFORMATION

Honours and awards

- 2021 - 2030
- National scientific qualification (ASN) for the role of full professor (S.C. 05/A1, Botany)
- 2022
- Best Poster Award “Legal Medicine and Anthropology” to “Macrobotanic data implementing Forensic Geology investigations” (Morabito M., Mondello F., Somma R.), September 26 2022
- 2011
- Visiting researcher, Museum National d'Histoire Naturelle, Paris, France
- 2005 - 2006
- Post-doctoral fellow, Government of Canada Award, University of New Brunswick, Canada
- 2002 - 2004
- Post-doctoral fellow, University of Messina, Italy
- 2003
- “Premio Società Botanica Italiana”, award for outstanding PhD thesis in Botany (2000-2002), Società Botanica Italiana
- January 2003
- Visiting post-doc fellow at the Martin Ryan Institute, National University of Ireland, Galway
- 1998 - 2000
- PhD fellowship, University of Messina, Italy
- October-December 1999
- Guest student at the Ecology of Benthos Laboratory, Stazione Zoologica “A. Dohrn”, Italy

Research interests

- Phylogenesis, molecular systematics and DNA barcoding of the algal flora aimed to the taxonomic revision of the Mediterranean flora, with particular attention to the identification of invasive and cryptic species.
- Development of methods for the taxonomic identification of plant traces in Forensic Sciences.
- Valorisation of macroalgal biomasses and exploitation in biotechnological and economic framework; extraction and evaluation of antimicrobials; plant growth regulators, fertilizers in agriculture.
- Cultivation and cryopreservation of algal organisms for the development of sustainable methods, including the use of protoplasts as a starting point for large-scale cultivation.

Research cooperation

- Centre for Environmental and Molecular Algal Research of the University of New Brunswick, Fredericton, Canada,
- Muséum National d'Histoire Naturelle of Paris, France,
- Research School of Chemistry & Applied Biomedical Sciences, Tomsk Polytechnic University, Russia,
- National Institute of Aquatic Resources, Section for Coastal Ecology, Technical University of Denmark, Danimarca,
- Laboratorio de Algas Marinas, Facultad de Ciencias, Universidad de A Coruña, Spain;
- Department of Agriculture (USDA), Agriculture Research Service, Livestock Nutrient Management Unit, Bushland, Texas, USA,
- Moulay Ismail University, Meknes, Morocco,
- Laboratorio de Química de Productos Naturales, Departamento de Botánica Universidad de Concepción, Chile.

Past research cooperation

- Universidad de La Laguna, Tenerife, Islas Canarias, Spain,
- University of Roma "Sapienza", Italy,
- University of Padua, Italy,
- University Ca' Foscari Venice, Italy,
- Universitat de Barcelona, Spain,
- University of Catania, Italy,
- CNR – Istituto per i Processi Chimico Fisici, Messina, Italy,
- CNR – Istituto di Tecnologie Avanzate per l'Energia "Nicola Giordano", Messina, Italy,
- Chungnam National University, Korea,
- University of Ghent, Belgium,
- National Reference Center for Leishmaniasis (C.Re.Na.L.) of the Istituto Zooprofilattico Sperimentale della Sicilia, Palermo, Italy,
- Universidad de A Coruña, Spain.

Agreement promoter between the University of Messina and other Universities and Research Institutions for Student Mobility

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| 2014-present | ▪ University of Sfax, Tunisia. |
| 2008-present | ▪ Muséum National d'Histoire Naturelle of Paris, France. |
| 2010-2012 | ▪ University of Ghent, Belgium (Erasmus programme). |
| 2011 | ▪ Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle D'Aosta, sezione di Genova e Savona. |
| 2010 | ▪ Universidad de Las Palmas de Gran Canaria, Islas Canarias, Spain. |

Peer reviewer

- Molecular Phylogenetics and Evolution, ISSN: 1055-7903, 2022
- External reviewer VQR 2015-2019 (ANVUR), 2021
- Journal of Applied Phycology, ISSN: 0921-8971, 2019
- Scientific Reports-NatureResearch, ISSN 2045-2322, 2019
- Diversity, ISSN 1424-2818, 2018
- Algae, ISSN 1226-2617, 2018
- Marine Drugs, ISSN 1660-3397, 2010-2017
- Cryptogamie, Algologie, ISSN 0181-1568, 2017
- European Journal of Phycology, ISSN 0967-0262, 2016

- Joint Projects, University of Verona, 2014
- Aquaculture Research, ISSN: 1365-2109, 2014
- Futuro in ricerca (MIUR), 2013
- Botanica Marina, ISSN 1437-4323, 2010, 2013
- Cahiers de Biologie Marine, ISSN 2262-3094, 2013
- FIRB-Futuro in ricerca (MIUR), 2011
- Chinese Journal of Oceanology and Limnology, ISSN 0254-4059, 2012
- Cryptogamie: Algologie, ISSN 0181-1568, 2011, 2017
- Sexual Plant Reproduction, ISSN 0934-0882, 2011

Evaluation committees

- June 2021 ▪ Member of the comparative evaluation committee for the appointment of a fixed-term researcher in Systematic Botany (SC 05/A1, SSD BIO/02) at the University of Rome "La Sapienza"
- June 2019 ▪ Member of the comparative evaluation committee for the appointment of an Associate Professor in Pharmaceutical Biology (SC 05/A1, SSD BIO/15) at University of Messina, Italy.
- 2016-2017 ▪ Committee for OFA test of the triennial degree in Biological Sciences
- 2010-2011 ▪ Admission to the Doctorate School of Tourism, Territory and Environment
- 2011 ▪ Final exam of the Doctorate School of Biology of Algae
- 2009 ▪ Final exam of the Doctorate School of Pharmacy at the University of Barcelona, Spain
- 2007-2008 ▪ Admission to the Doctorate School of Biology of Algae

Organization of workshops, meetings and schools

- 23-28 April 2023 ▪ "European Geosciences Union General Assembly 2023" (Vienna, Austria), Convener at the session: "Criminal investigation and scientific methods applied to geological evidence: the contribution of Forensic Geology, Botany, and Entomology to the judicial system" (Research papers will be published in a Special Issue indexed in SCOPUS and WoS) [EVENT IN PREPARATION]
- 26 January 2023 ▪ Scientific Workshop "The role of Entomology in the multidisciplinary approach of Forensic Sciences" Specialization School in Legal Medicine, organizing committee and scientific committee, University of Messina, Italy
- 26 September 2022 ▪ International Workshop on "Advances and Applications in Geoforensics: Unraveling Crimes with Geology" (Messina, Italy), scientific committee and Chair, organized with the patronage of the Accademia Peloritana dei Pericolanti (APP) and of the University of Messina, Italy
- 21-24 June 2022 ▪ Summer School Forensic Geology, organizing committee, University of Messina, Italy
- 19-23 June 2023 ▪ Summer School Forensic Geology, organizing committee, University of Messina, Italy [EVENT IN PREPARATION]

Research Projects: funded grant basing on peer-reviewing

- 2021 ▪ FFABR-UNIME 2021- Funding for Fundamental Research, University of Messina, Italy;
- 2014/2020 ▪ FISH PATH NET - Strengthening of Sicilian ichthyopathology centres- 2.56, Measures relating to animal health and welfare - Po Feamp Sicilia 2014/2020, European Community;
- 2017 ▪ FFABR-UNIME 2017- Funding for Fundamental Research, University of Messina, Italy;
- 2012 - 2015 ▪ PON02_000451_3362185 INNOVAQUA - "Technological innovation to support increased productivity and competitiveness of Sicilian aquaculture" (University of Messina), MUR;
- 2011 ▪ Proyecto de Investigación Fundamental no orientada "Diversidad y relaciones filogenéticas de algas marinas bentónicas con potencial farmacológico: el complejo Laurencia (Rhodophyta) en las costas de la Macaronesia, Atlántico Tropical y Subtropical", Universidad de La Laguna, Tenerife, Islas Canarias, Spain;
- 2009 ▪ Ordinary research program 2009 "Settlement and success dynamics of non indigenous populations in the brackish system of Cape Peloro", University of Messina;
- 2006/2007 ▪ Ordinary research program 2006/2007 "Evaluation of the antimicrobial activity of macroalgae identified by DNA barcoding", University of Messina;
- 2002 ▪ Research program GR2002 "Molecular systematics of the *Gracilaria gracilis*-complex (Gracilariales, Rhodophyta) in the Mediterranean", University of Messina.

Research Projects: cooperation to research projects

- 2011 - 2015 ▪ "BioWALK4Biofuels – Biowaste and algae knowledge for the production of 2nd generation biofuels", project financed by the European Commission to produce biofuel from algae cultivation
- 2009 - 2011 ▪ "Algal Life Global Audit", led by the Canadian Barcode of Life Network (CBLN) within the International Barcode of Life Initiative (iBOL)

Memberships

- Marine Organism Taxonomy (MOTax) Service of the European Marine Biological Resource Centre (EMBRC)
- National Consortium Interuniversity for Marine Sciences (Co.N.I.S.Ma.)
- Società Botanica Italiana
- British Phycological Society
- Federation of European Phycological Societies
- International Phycological Society
- Italian Network for DNA barcoding

Third mission and services

- Forensic Botanist and Phycologist in technical-scientific consultancy for the Procura della Repubblica, Italy;
- Incoming and ongoing orientation services for students at the University of Messina, Italy and at secondary schools in the provinces of Messina and Reggio Calabria, Italy.

Taxonomic descriptions

Gen. nov.

Felcinia Manghisi, Le Gall, Ribera, Gargiulo et Morabito 2014

Sp. nov.

Gracilaria viridis A. Sfriso, M.A. Wolf, K. Sciuto, Morabito, C. Andreoli et I. Moro 2013

Pachymeniopsis gargiuloi S.Y. Kim, Manghisi, Morabito et S.M. Boo 2014

Yonagunia atimo-vatae Manghisi, Morabito, G.H. Boo, S.M. Boo et Le Gall 2015

Comb. nov.

Dermocorynus dichotomus (J. Agardh) Gargiulo, Morabito et Manghisi 2013

Dermocorynus horridus (Kützing) Gargiulo, Morabito et Manghisi 2013

Felcinia marginata (Roussel) Manghisi, Le Gall, Ribera, Gargiulo et Morabito 2014

Phyllymenia capensis (O. De Clerck) Gargiulo, Morabito et Manghisi 2013

Yonagunia ligulata (Harvey ex Kützing) Manghisi, Morabito, De Clerck et Le Gall 2015

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

16 February 2023