

CURRICULUM VITAE



DR. GONZÁLEZ-WANGÜEMERT

PERSONAL DATA

SURNAME: González-Wangüemert

NAME: Mercedes

BIRTH DATE: 25/08/1972

SEX: Woman

OFFICE ADDRESS: CCMAR, CIMAR-Laboratório Associado Faculdade de Ciências do Mar e Ambiente

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ACADEMIC BACKGROUND

- 2004 Ph.D. University of Murcia, Biological Sciences. Advisors: Dr. Ángel Pérez Ruzafa and Dr. Jose Antonio García Charton. Dissertation Title: “*Scales of variability on the genetic structure of SW Mediterranean populations of Diplodus sargus. Genetic effects of fishery protection in marine reserves.*” *Magna Cum Laudem.*
- 1997 M.S. University of Murcia, Biological Sciences. Advisors: Dr. Ángel Pérez Ruzafa and Dr. Antonio Ortiz Cervantes. Dissertation Title: “*Morphologic and PGI locus variability of Cardium glaucum at Mar Menor coastal lagoon (SE Spain) and its relationship to environmental conditions.*” *Magna Cum Laudem.*
- 1996 Master of Environmental Impact Assessment. Institute of Ecological Research. UICN. Málaga, Spain.

1995 B.S. University of Murcia, Zoology. Second Cycle. Spain.

1993 B.S. University of Alicante, Environmental Sciences. First Cycle. Spain.

ACADEMIC POSITIONS

- 2015- Principal Investigator belonging to IFCT Program, CCMAR
- 2010- 2015 CCMAR, Universidade do Algarve. Post-Doctoral Researcher FCT.
- 2008-2009 University of Murcia, Marine Ecology Department. Post-Doctoral Researcher (24 months).
- 2007 University of Girona, Sciences Department, (Spain). Lecturer (6 months).
- 2005-2007 University of Oporto, CIBIO (Centro de Investigação em Biodiversidade e Recursos Genéticos), (Portugal). MEC Post-Doctoral Researcher (22 months).
- 2004-2005 University of Murcia, Department of Ecology (Spain). Post-Doctoral Researcher (6 months).
- 1999-2004 University of Murcia, Department of Ecology (Spain). Pre-Doctoral Researcher.
- 2000-2002 University of Murcia, Department of Ecology (Spain). Ph.D. Student.
- 1997-1999 University of Murcia, Department of Ecology (Spain). Research fellow.
- 1993-1995 University of Murcia, Department of Ecology (Spain). Pre-graduate collaborator student.

TEACHING EXPERIENCE

To join the Spanish University Teaching Bodies, i.e. Senior lecturer and Professors, prior national assessment is required which, by assessing the merits and competences of the candidates, ensures quality when selecting university academic staff. The assessment procedure is carried out per teaching body and branch of knowledge. Dr. Mercedes Wangüemert got in 2012 the positive assessment for Senior Lecture activity by the National Agency for Quality Assessment and Accreditation of Spain (<http://www.aneca.es/eng/Programmes/ACADEMIA>).

During several years Dr. Mercedes González-Wangüemert has given practical and theorist lessons at the University of Girona, University of Murcia (Spain) and Universidade do Algarve (Portugal) reaching more than 550 hours.

- 2014-2015 CCMAR & Universidade do Algarve:
Experimental methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 4 ETCS (36 h).
- 2014-2015 CCMAR & Universidade do Algarve:
Field and laboratory methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 6 ETCS (54 h).
- 2013-2014 CCMAR & Universidade do Algarve:
Experimental methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 4 ETCS (36 h).
- 2012-2013 CCMAR & Universidade do Algarve:
Field and laboratory methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 2 ETCS (18 h).
- Experimental methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 4 ETCS (36 h).
- 2011-2012 CCMAR & Universidade do Algarve:
Field and laboratory methods in Marine Biology. Erasmus Mundus Msc in Marine Biodiversity and Conservation. 6 ETCS (54 h).
- 2009- (February) 2010 University of Murcia:
1. *Marine Ecology: Biological Oceanography*, practical and theoretical lessons. 4th Course of Biology Degree, Marine Biology Speciality.
2. *Exploitation of Marine Resources*, practical and theoretical lessons. 5th Course of Biology Degree, Marine Biology Speciality.
- 2008- 2009 University of Murcia:
1. *Methodological and Quantitative Ecology*, practical lessons. 4th Course of Biology Degree.
2. *Ecology*, practical lessons. 2nd Course of Biology Degree
3. *Exploitation of Marine Resources*, practical and theoretical lessons. 5th Course of Biology Degree, Marine Biology Speciality.

4. *Ecology and exploitation of marine populations*, theoretical lessons. Master “Fishes Biology. Basic and functional aspects”.

5. *Biodiversity patterns and management at marine ecosystems and brackish waters*, theoretical lessons. Master “Biodiversity management at Mediterranean environment”.

2007- 2008 University of Murcia:

1. *Exploitation of Marine Resources*, practical and theoretical lessons. 5th Course of Biology Degree, Marine Biology Speciality.

2. *Ecology*, practical lessons. 2nd Course of Biology Degree.

3. *Ecology*, practical lessons. 3rd Course of Environmental Sciences Degree.

4. *Methodological and Quantitative Ecology*, practical lessons. 4th Course of Biology Degree.

5. *Biodiversity patterns and management at marine ecosystems and brackish water*, theoretical lessons. Master “Biodiversity management at Mediterranean environment”.

6. *Ecology and exploitation of marine populations*, theoretical lessons. Master “Fishes Biology. Basic and functional aspects”.

7. *Ecology at XXI Century*. Theorist lessons. 2nd Course. Senior University of Murcia. Ecology Speciality.

2006- 2007 *Evolutionary Biology*, practical lessons. 2nd Course Biology Degree. University of Girona.

2004-2005 University of Murcia:

1. *Ecology and Management of Marine Ecosystems*, theorist lessons. 4th Course Biology Degree.

2. *Exploitation of Marine Resources*, practical lessons. 5th Course Biology Degree, Marine Biology Speciality.

3. *Ecology at XXI Century*. Theorist lessons. 2nd Course. Senior University of Murcia. Ecology Speciality.

2003-2004 1. *Introduction to marine mammals*. Diving with dolphins. Theorist and practical lessons. University Club of Diving Activities. University of Murcia.

2. *Ecology at XXI Century*. Theorist lessons. 2nd Course. Senior University of Murcia. Ecology Speciality.

- 2001-2002 *Marine Resources Exploitation*, practical lessons. 5th Course Biology Degree, Marine Biology Speciality. University of Murcia.
- 2000-2001 *Marine Resources Exploitation*, practical lessons. 5th Course Biology Degree, Marine Biology Speciality. University of Murcia.
- 1995-1996 *Oceanography*, practical lessons. 5th Course Biology Degree, Marine Biology Speciality. University of Murcia.

ADVISOR EXPERIENCE

PhD students

MGW was co-advisor of Dr. Giomar Helena Borrero Pérez. European Program ALBAN (2007-2010). University of Murcia (Spain). Thesis: *Systematics and phylogeography of species of subgenus Holothuria (Echinodermata: Holothuriidae: Holothuria) from Atlantic Mediterranean region*. 26th March 2010. Classification: *Magna Cum Laudem*.

MGW was co-advisor of Dr. Carlos Vergara Chen. European Program ALBAN (2007-2009) and SENACYT (2010-2011). University of Murcia (Spain). Thesis: *Genetic diversity, adaptation, and selection processes on the fauna from the Mar Menor coastal lagoon (SE Spain)*. 15th December 2011. Classification: *Magna Cum Laudem*. European PhD.

MGW is being co-advisor of the following Ph.D. Student: José Martínez Garrido. Thesis: *Molecular ecology and climate change: adaptive differentiation of Ruppia sp populations through environmental clines*. CCMAR, Universidade do Algarve & Universidad de Alicante. 2011-

MGW is being co-advisor of the following Ph.D. Student: María Segovia Viadero. Thesis: *Viability of restocking and improvement of sea urchin stocks (Paracentrotus lividus) in Cantábrico Sea*. University of Alicante & Universidade do Algarve. 2011-

MGW is being co-advisor of the following Ph.D. student: Nathalie Marquet. Thesis: Study of the reproductive biology and chemical communication of sea cucumbers (*Holothuria arguinensis* and *H. mammata*). FCT grant (SFRH/BD/90761/2012). Universidade do Algarve. 2013-

MGW is being advisor of the following Ph.D. Student: Jorge Dominguez Godino. Thesis: SEa CUcumbers: new perspectives for Integrated Multi-Trophic Aquaculture. SECUIMTA. CCMAR, Universidade do Algarve, Universidade do Algarve & Universidad de Cádiz. 2015-

Msc students

MGW was advisor of the following Master student: Kerstin Hübner. Master Thesis (EMBC Program): *Comparing traditional mark-recapture method with a the molecular approach based on genetic parentage assessment to estimate population size of syngnathids in patches of seagrass*. CCMAR, Universidade do Algarve. 2012.

MGW was supervisor of the following Master student: Fernanda Rodrigues. Master Thesis (EMBC): *Role of coastal lagoon on genetic diversity: are they hotspots of biodiversity?* CCMAR, Universidade do Algarve. 2013.

MGW was supervisor of the following Master student: Andjin Siegenthaler. Master Thesis (EMBC): *Spatial distribution patterns and population structure of *Holothuria mammata* and *Holothuria arguinensis* in the Ria Formosa (Portugal)*. CCMAR, Universidade do Algarve. 2013.

MGW was co-advisor of the following Master student: Tiago Braga. Master Thesis (BMB): *Evaluation of the antioxidant and antitumor activity of extracts from marine invertebrates*. CCMAR, Universidade do Algarve. 2014.

MGW was co-advisor of the following Master student: Camilla Maggi. Master Thesis (Universita' Politecnica delle Marche): *Population and genetic structure of *Parastichopus regalis* (Cuvier, 1817) and its commensal *Carapus acus* (Brünnich, 1768)*. CCMAR, Universidade do Algarve (Portugal) and Universita' Politecnica delle Marche (Italy). 2014.

MGW was co-supervisor of the following Master student: Siel Wellens. Master Thesis (EMBC): Mangrove propagule predation by the crab *Goniopsis cruentata* in the subtropical Paranaguá Bay (S Brazil). Centro de Estudos do Mar – Universidade Federal do Paraná, Brazil. 2014.

MGW was supervisor of the following Master student: Julian Olaya. Master Thesis (EMBC): Mapping the *Holothuria arguinensis* populations from Ria Formosa (Portugal). CCMAR, Universidade do Algarve. 2014.

MGW was co-supervisor of the following Master student: Silke Bossers. Marine Master Thesis from Amsterdam University. The Sea Cucumber Microbiome. CCMAR, Universidade do Algarve and University of Amsterdam. 2015.

MGW is co-advisor of the following Master student: Filipe Henriques. Master Thesis (BMB): *Genetic connectivity patterns in Holothuria mammata considering different spatial scales*. CCMAR, Universidade do Algarve. On going.

MGW is co-advisor of the following Master student: Marlene Wesselmann. Master Thesis (EMBC): *Connectivity patterns of Pinna nobilis from Western Mediterranean Sea; a multidisciplinary approach*. CCMAR, Universidade do Algarve. On going.

Bachelor degree' projects

MGW was co-advisor of the following student: Catarina Antunes. Degree' Thesis: *Effects of fishing protection on sea cucumber populations from Turkish coast*. Universidade do Algarve. 2012-2013.

MGW was co-advisor of the following student: Rafaela Vicente. Degree' Thesis: *Ecological contribution of the sea cucumbers from SE Iberian Peninsula*. Universidade do Algarve. 2012-2013.

Students' stays

MGW was advisor of Mario León Ortega, Ph.D. Student from University of Murcia (Spain), during his CCMAR stay (02-11-2010/04-02-2011). This student was working with ecology and population genetics of owl (*Bubo bubo*, Linnaeus 1758).

MGW was advisor of Lorena Basso, Ph.D. Student from IMEDEA (Spain), during her CCMAR stay (05-03-2011/20-05-2011). This student was working with population genetics of *Pinna nobilis* (Linnaeus, 1758).

MGW was advisor of José Martínez Garrido, Ph.D. during his CCMAR stay (10-01-2011/10-07-2011) with a fellowship from Leonardo da Vinci Programme. This student was working with population genetics of several seagrass species (*Cymodocea nodosa*, *Zoostera noltii* and *Ruppia cirrhosa*).

MGW was advisor of the following Master students for practical credits: Jorge Domínguez Godino (28 h laboratory work, EMBC laboratory methods A), Roberto Buonomo (28 h laboratory work, EMBC laboratory methods A) and Marco Pérez (48 h laboratory work, EMBC laboratory methods A), CCMAR. 2011-2012.

MGW was co-advisor of the following Master students for practical credits: Mariana Silva (Marine Biology Master, University of Algarve, stay 48 hours, "*Study of the *Holothuria arguinensis*' population dynamics in Ria Formosa*") and Tiago Braga (Marine Biology Master, University of Algarve, stay 48 hours, "*Assessing the abundance and density of sea cucumber populations in Ria Formosa*"). Universidade do Algarve. 2012-2013.

MGW was advisor of the following Master student for practical credits (2 ETCS, EMBC laboratory methods A): Mathilde Lemoine "Comparative study of the epifauna community associated to *Holothuria arguinensis* (Koehler & Vaney, 1906) between different sampling sites (Praia de Faro and Fuzeta) and months (October and November)." CCMAR. 2012-2013.

MGW was advisor of the following Master students for practical credits (2 ETCS, EMBC laboratory methods A): Naomi de Roeck "Mark-recapture experiment of sea cucumber *Holothuria arguinensis* in the Ria Formosa" and Jana Rajnohova "Assessing the Ecology of *Holothuria arguinensis* Population in Ria Formosa, Portugal" CCMAR. 2012-2013.

MGW was advisor of the following Master students for practical credits (2 ETCS, EMBC Field methods B): Ignacio Pérez-Blasco "Ecology and aquaculture of *Holothuria arguinensis*" and (2 ETCS, EMBC Lab methods A): Justine Siegwald "Ossicles morphology on *Holothuria arguinensis*". CCMAR. 2014-2015.

MGW is advisor of the following degree student for practical credits (2 ETCS, Field methods B): Clhoé Moreau "*Sea urchins populations in Ria Formosa (S Portugal)*" and (2 ETCS, Lab methods A): "*Echinoderms larvae in Ria Formosa (S Portugal)*". CCMAR. 2014-2015.

MGW is advisor of the following degree student for practical credits (2 ETCS, Field methods B): Louise Merquiol "*Sea cucumber behavior during low tide in Praia de Faro (Ria Formosa, S Portugal)*". CCMAR. 2014-2015.

Stays of foreign researchers

Maria Segovia Viadero (PhD student). *Genetic considerations on the releases of hatchery-reared juveniles into the wild populations to rebuild the sea urchin stocks from Cantabrico Sea*. 7 weeks. ASSEMBLE MARINE program (<http://www.assemblemarine.org/>), 2012.

Katerina Vasileiadou (PhD student), Christina Pavloudi (Msc student) and Dr. Eva Chatzinikolaou. *Effects of stressful environmental factors in lagoonal ecosystems on marine microbial and invertebrate populations*. 5 weeks. ASSEMBLE MARINE program (<http://www.assemblemarine.org/>), 2012.

Dr. Pilar Casado de Amezua. *Genetic characterization of zooxanthellae hosted by Mediterranean and Atlantic sea anemones from sea grass meadows: in search of species-specific clade*. 4 weeks. ASSEMBLE MARINE program (<http://www.assemblemarine.org/>), 2013.

Katerina Vasileiadou (PhD student), Christina Pavloudi (Msc student) and Dr. Eva Chatzinikolaou. *Effects of stressful environmental factors in lagoonal ecosystems on marine microbial and invertebrate populations*. 3 weeks. ASSEMBLE MARINE program (<http://www.assemblemarine.org/>), 2013.

MGW was advisor of the following Master student, Ozan Sen, from Ordu University (Turkey) during his stay at CCMAR under ERASMUS program. 4 months. *Genetic diversity of the H. mammata populations from the Turkish coasts*. CCMAR, Universidade do Algarve. 2013.

MGW was co-advisor of the following Master student, Chloé Moreau from Paris University (France) during her stay at CCMAR under ERASMUS program. 6 months. Density and length distribution of *Paracentrotus lividus* in Ria Formosa (South Portugal). Practical credits of Field Methods B subject (48 h) and Lab Methods (24h). 2014-2015.

MGW was co-advisor of the following Degree student, Rachel Conell from Brigham Young University United States of America during her stay at CCMAR. 1 month (2nd- 30th June 2014). She collaborated on CUMFISH Project (PTDC/MAR/ 119363/2010) funded by Fundação para a Ciência e a Tecnologia (Portugal). 2014.

RESEARCH INTERESTS

My research activity can be subdivided in the following lines:

1. Cryptic biodiversity in the genera *Holothuria* from the Mediterranean and Atlantic populations.
2. Sea cucumber fisheries and aquaculture.
3. Importance of population genetics in the management of marine protected areas and fisheries. Effects of fishing protection on the genetic structure of target species (fishes and sea cucumbers). Connectivity of Marine Protected Areas.
4. Spatial and temporal genetic variability and gene flow in the Mediterranean and Atlantic populations of fishes and echinoderms. Relation of gene flow and open sea circulation pattern: connectivity.
5. Genetic adaptation in coastal lagoons, genetic responses to environmental stress (*Elysia timida*, *Cerastoderma glaucum*, *Holothuria polii*, *Holothuria arguinensis*, *Pomatochistus marmoratus*, *Diplodus sargus*, *Caulerpa prolifera*, *Cymodocea nodosa* and *Ruppia cirrhosa*).
6. Genetic assessment of restocking in marine ecosystems.

LAB WORK

Most of MGW's lab activities were carried out at University of Murcia (Spain), Université de Perpignan (France), CIBIO (Portugal) and CCMAR (Portugal). Also, MGW has collaborated with other labs:

- Centro do Estudos do Mar, Universidad Federal do Paraná, Pontal do Sul, Brasil (2014-2015);
- University of Amsterdam, Netherlands (2013-2015);
- INDICASAT-AIP, Panamá (2012-2015);
- Universidad de La Paz, México (2011-2014);
- University College Dublin, Ireland (2010-2012);
- University of Salford, United Kingdom (2012-2015);
- Australian Institute of Marine Science, Australia (2011-2015);
- Southern Cross University, Australia (2015);
- Reunion University, French Polynesia (2011-2015);
- Ordu University, Turkey (2011-2015);
- Spanish Institute of Oceanography, Mallorca, Spain (2011-2012);
- Institute de Ciéncies del Mar, CSIC, Barcelona, Spain (2011-2012);
- Smithsonian Tropical Research Institute, Panamá (2008-2015);
- Instituto de Investigaciones Marinas y Costeras, INVEMAR, Colombia (2011-2015);
- Museo Nacional de Ciencias Naturales, CSIC, Madrid, Spain (2009-2015);
- Laboratorio di Ecologia Marina, National Research Council (CNR), Italy (2008-2013);
- Departament of Sciences, Ichthyology Laboratory, University of Girona, Spain (2007);
- Centro de Investigação em Biodiversidade e Recursos Genéticos (CIBIO), Universidade do Porto (2005-2010);
- Departament of Biology, University of Tunisia (2006-2012);
- Department of Fisheries, Oceanography Spanish Institute (IEO)(2004-2013);
- Department of Marine Biology, University of Alicante (2004-2005);
- Centre de Biologie et d'Ecologie Tropicale et Méditerranéenne Laboratoire d'Ichtyoécologie Tropicale et Méditerranéenne. Ecole Pratique des Hautes Etudes –CNRS. Université Perpignan, France (2002-2004).
- Laboratório de Praias Arenosas do Centro do Estudos do Mar, Universidad Federal do Paraná. Pontal do Sul (Brasil) (1997).

- Laboratório de Electroforeses, Departamento de Bioquímica da Universidad Federal do Paraná (Brasil) (1997).

PROJECTS

Participation in 36 projects

- 2015-2016 *Pilot study of *Holothuria polii* culture in La Encañizada de la Torre (Mar Menor, Murcia, Spain). Project leader: Dr. Mercedes Gonzalez-Wangüemert.* Piscifactorías Albadalejo S.A y CCMAR en el ámbito del convenio firmado entre ambas instituciones el 01/08/2014.
- 2014-2016 COL12IP036. “*Genetic and physiological variability of sea sea cucumber (*Isostichopus fuscus*, Ludwig 1875) in the Pacific (Panamá)*”. GENPHYSOS. SENACYT, (Secretaría Nacional de Ciencia, tecnología e Inovación), Panamá. Project leader: Dr. Carlos Vergara-Chen. CCMAR (Portugal), INDICASAT (Panamá), INVEMAR (Colombia). **MGW’s role: Portuguese coordinator.**
- 2012-2015 FCT, PTDC/MAR/119363/2010. “*Sea cucumbers: the new resource for a hungry fishery (CUMFISH)*”. **Project leader: Dr. Mercedes Gonzalez-Wangüemert.** CCMAR (Portugal), CSIC (Spain), IEO (Spain), INVEMAR (Colombia), Université de La Réunion (French Polynesia), Australia Institute of Marine Science (Australia) and Ordu University (Turkey). <http://www.ccmар.ualg.pt/cumfish/>
- 2015-2017 Minsiterio de Economía y Competitividad. “*Coastal species with low dispersal ability: connectivity, genetic structure and conservation (CONCoast)*”. Project leader: Dr. Annie Machordom. MNCN (Spain), Universidad de Roma (Italy), Centro de Ciências do Mar (CCMAR) and Istituto di Scienze Marine (ISMAR, Italy). MGW's role: genetic researcher.
- 2013-2015 Edital Universal, MCTI/CNPq 14/2013 . “*Efetividade da área de exclusão de pesca da Reserva Extrativista do Corumbau na exportação de larvas de *Scarus trispinosus* e conectividade entre populações* ”. Project leader: Dr. Fabiana Hackradt. Universidade Federal da Paraíba (Brasil), Universidade federal de Pernambuco (Brasil), Centro do Ciências do Mar, Universidade do Algarve (Portugal). MGW's role: genetic researcher.

- 2014-2016 SENACYT (Secretaría Nacional de Ciencia, tecnología e Innovación), ITE12-007. “*Identification of genetic adaptive variation in wild populations of sea bass, Centropomus armatus (Gill, 1863)*”. ADAPVAR. Project leader: Dr. Carlos Vergara-Chen. INDICASAT-AIP (Panamá), University of Georgia (EEUU) and Centro do Ciencias do Mar (Universidade do Algarve, Portugal). **MGW’s role: Portuguese coordinator.**
- 2010-2014 SENECA Foundation. Murcia Government. “*Molecular ecology and climate change: adaptive differentiation of Cymodocea nodosa and Caulerpa prolifera populations through environmental clines.*” **Project leader: Dr. Mercedes González-Wangüemert.** University of Murcia (Spain) and Centro do Ciencias do Mar (Universidade do Algarve, Portugal).
- 2009-2011 BBVA Foundation. “*Assessment of population dynamic and mobility to grouper management: Comparison among fishery and biological marine reserves.*” Project leader: Dr. García-Charton. University of Murcia (Spain), Universidade Federal de Santa Catarina (Brasil). MGW’s role: genetic researcher.
- 2009-2011 Ministerio de Ciencia e Innovación (MCI, Spain). “*GENCONNECT: Genetic structure and connectivity in marine species and parameters (biotic and abiotic) determining their evolution*”. Project leader: Dr. Annie Machordom. MNCN (Spain), Universidad de Roma (Italy), National Institute of Water and Atmospheric Research (NIWA, New Zealand), Universidad de Murcia (Spain), Istituto di Scienze Marine (ISMAR, Italy). MGW’s role: genetic researcher.
- 2008-2009 Regional Ministry of Universities, Company and Research, Comunidad Autónoma de Murcia (Spain). “*PEPLAN: Coastal monitoring system in Mar Menor.*” Project leader: Angel Pérez Ruzafa. University of Murcia and University of Cartagena. MGW’s role: genetic researcher.
- 2008-2009 Laboratorio di Ecologia Marina, National Research Council (CNR, Italy). “*Genetic variability of cultivated and wild populations of white sea bream (Diplodus sargus) in Sicilia.*” Project leader: Dr. Pérez-Ruzafa and Dr. Giovanni D’Anna. MGW’s role: genetic researcher.

- 2006-2008 SENECA Foundation. Murcia Government. *“Role of coastal lagoons about marine genetic diversity”*. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.
- 2006-2008 European Commission; INTERREG Program. *“AMPAMED : Le rôle des Aires Marine Protégées dans la gestion durable d’Activités économiques, telles que la pêche artisanale et le tourisme, en harmonie avec l’identité culturelle des régions de Méditerranée Occidentale”*. Project leader: Dr. Maddy Cancemi. Office de l’Environnement de la Corse (France), Istituto per l’Ambiente MarinoCostiero del CNR (Italy), Fondazione IMC - Internacional Marine Centre (Italy), Are marina Protesta Penisola del Sinis – Isola de Mal di Ventre – Comune di Cabras (Italy) & Universidad de Murcia (Spain). MGW’s role: researcher.
- 2006-2007 AECI. *“Ecology, biology, genetics and parasitology of Tunisian and Spanish Sparid populations”*. Project leader: Dr. Ángel Pérez Ruzafa and Dr. Ben Hassine. MGW’s role: genetic researcher.
- 2005-2007 European Commission (VI Marco Program). *“EMPAFISH: European Marine Protected Areas as tools for fisheries management and conservation”*. Project leader: Dr. Ángel Pérez Ruzafa and Dr. Jose Antonio García Charton. MGW’s role: genetic researcher.
- 2004-2007 EUTROCOST. Ministry of Science and Technology. *“Response of trophic network of coastal lagoon to agricultural nutrient inputs”*. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 2004-2005 Oceanography Spanish Institute (IEO). *“Comparison of genetic structure of Pomatichistus between coastal lagoon and marine populations”*. **Project leader:** Dr. Elena Barcala Bellod, **Dr. Mercedes González-Wangüemert**, Dr. Julio Mas. MGW’s role: genetic researcher.
- 2003-2005 SENECA Foundation. Murcia Government. *“Importance of genetic flows and marine reserves in the biodiversity management”*. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.

- 2003-2005 Research Group: Ecology and Management of Marine Coastal Ecosystems, University of Murcia. “*Genetic differentiation of Elysia timida (Risso, 1818) populations in Southwest Mediterranean and Mar Menor coastal lagoon (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa, **Dr. Mercedes González-Wangüemert** and Dr. Francisca Giménez-Casalduero. MGW’s role: genetic researcher.
- 2004 Regional Ministry of Agriculture, Environment and Water. “*Follow-up of marine reserve Cape of Palos-Hormigas Islands (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 2000-2003 SENECA Foundation. Murcia Government. “*Scales of spatio-temporal variability of protection marine areas effects: range of propagules and adult fishes dispersion and cascade effect*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.
- 2003 Research Groups: Ecology and Management of Marine Coastal Ecosystems and Zoology Group, University of Murcia. “*Genetic differentiation of Atherina boyeri populations in Mediterranean Sea and Mar Menor coastal lagoon (Spain)*”. **Project leader:** Dr. Mar Torralva, **Dr. Mercedes González-Wangüemert** and Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.
- 2003 Regional Ministry of Agriculture, Environment and Water. “*Follow-up of littoral water condition and pollution by agriculture nitrate in Mar Menor coastal lagoon (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 2002 Regional Ministry of Agriculture, Environment and Water. “*Control of littoral water quality of Mar Menor (Murcia, Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 2002 Regional Ministry of Agriculture, Environment and Water. “*Follow-up of marine reserve Cape of Palos-Hormigas Islands (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.

- 2001 “Environment watching of YAIZATUN S.A activities: fattening and greasing of tuna. (Canarian Islands, Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 2001 “Environment watching of fish farming activities of BLUE & GREEN PISCIFACTORÍA DEL SURESTE S.L. (Murcia, Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 2001 “Environment watching of Viver-Atún S.A activities: fattening and greasing of red tuna. (Murcia, Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 2001 “Environment watching of Tunagrasso S.A activities: fattening and greasing of red tuna. (Murcia, Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 2001 “Environment watching of fish farming activities in Tenerife (Canarian islands, Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 2001 “Environment watching of fish farming activities of CULMAMUR S.A.(Spain)”. Project leader: Pangea Mediterranea S.L. MGW’s role: researcher.
- 1999-2001 CICYT MAR 98-0449-C-2-01. Ministry of Science and Technology. “Study of habitat effect on adults and recruitment reef fishes at marine protected areas (SE Spain). Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: genetic researcher.
- 1997-1999 UNIVALI, Parana Marine Center and Parana State University. “Biology, genetic variability and management of *Pecten ziczac* in Brazil”. Project leader: Dr. Borzone and Dr. Pezzuto. MGW’s role: genetic researcher.
- 1997 Regional Ministry of Agriculture, Environment and Water. “Study of jellyfish populations (*Cotylorhiza tuberculata*) at Mar Menor. Problems and solutions”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.

- 1996 Regional Ministry of Agriculture, Environment and Water. “*Study of jellyfish populations (Cotylorhiza tuberculata) at Mar Menor coastal lagoon (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 1995 IBERDROLA S.A. “*Valuation of marine habitat that surround thermal power station (Escombreras, Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.
- 1995 Regional Ministry of Agriculture, Environment and Water. “*Management of artificial reefs and establishment of initial condition of marine reserve Cape Palos and Hormigas islands (Spain)*”. Project leader: Dr. Ángel Pérez Ruzafa. MGW’s role: researcher.

MEMBER IN PROFESSIONAL ASSOCIATIONS

- 2007- 2015 Member of Spanish Society of Evolution Biology (SESBE).
- 2004-2009 Member of the Committee for Courses and Activities of Diving University Club (CUAS) (University of Murcia, Spain).
- 2002-2005 Member of the Committee for University Staff Meeting. University of Murcia.
- 1995-2010 Member of Diving University Club, University of Murcia (Spain).

PUBLICATIONS

Book-chapters

6 chapters of books

García-Charton, J.A., **González-Wangüemert, M.**, Marcos, C., Esparza-Alaminos, O., Felix-Hackradt, F., Hackradt, C., Treviño-Oton, J., Perez-Ruzafa, A. (2012). Marine protected areas and connectivity. Estevez-Selma, M.A., Martínez-Paz, J.M., Soro-Mateo, B. (Eds). In: *Ecological, economic and legal assessment of the natural areas network from Murcia (Spain)*. 181-209 pp. ISBN: 978-84-15463-18-4. Editum, Universidad de Murcia, Servicio de Publicaciones, Murcia, Spain. 404 pp.

García-Charton, J.A., Esparza-Alaminos, O., **González-Wangüemert, M.**, Marcos, C., Salas, F. & Pérez-Ruzafa, A. (2008). *Ecological effects of Atlanto-Mediterranean MPAs in the EU. Case Studies: Cabo de Palos-Islas Hormigas*. Higgins, R., Mangi, S., Salas, F., Smith, P., Vandeperre, F. (Eds.). Vol. I, 15-19. MU-1614-2008. ISBN: 978-84-8371-723-3.

Pérez-Ruzafa, A., Esparza-Alaminos, O., García-Charton, J.A., **González-Wangüemert, M.**, Marcos, C. & Salas, F. (2008). *Fishery regimes in Atlanto-Mediterranean European MPAs*. Vol. II, 7-11. MU-1293-2008. ISBN: 978-84-8371-724-0.

García-Charton, J.A., Pérez-Ruzafa, A., **González-Wangüemert, M.**, Marcos, C., Herrero, A., Esparza, O., Polti, S., Entrambasaguas, L. (2007). Amenazas ambientales y Conservación. Capítulo 6. In: *Fondos del Mediterráneo Español*. Nextcomm S.L. (Eds.). M-11727-2007.

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Gonzalez-Wanguemert, M., Marcos, C., García-Charton, J.A & Pérez-Ruzafa, A. (2002). Importance of population genetics in the management of marine protected areas. Aragonés, E. (ed.). In: *Mediterranean Symposium on Marine and Coastal Protected Areas*, 339-348. ISBN: 84-393-5937-3.

Papers in international refereed journals (listed in SCI)

42 papers in ISI, 33 papers with ≤ 4 authors, only 2 papers with more than 5 authors, 17 papers as first author, 10 papers as supervisor/ coordinator of research

Siegenthaler, A., Cánovas, F., **González-Wangüemert, M.** (2015) Spatial distribution patterns of *Holothuria arguinensis* in the Ria Formosa (Portugal). *Journal of Sea Research*, doi 10.1016/j.seares.2015.04.003.

Maggi, C., **González-Wangüemert, M.** (2015) Genetic differentiation among *Parastichopus regalis* populations from Western Mediterranean Sea: potential effects of its fishery and current connectivity". *Mediterranean Marine Science*, doi: 10.12681/mms.1020.

León-Ortega, M., **González-Wangüemert, M.** (Accepted with review) New highly polymorphic microsatellite markers for the European eagle owl, *Bubo bubo*. *Journal of Wildlife Research* (EJWR-14-00260).

Wellens, S., Sandrini-Neto, L., **González-Wangüemert, M.**, Lana, P. (2015). Do the crabs *Goniopsis cruentata* and *Ucides cordatus* compete for mangrove propagules? A field-based experimental approach. *Hydrobiologia*, doi: 10.1007/s10750-015-2245-x. IF: 2.21

Cánovas, F., Magliozzi, C., Mestre, F., Palazón-Ferrando, J.A., **González-Wangüemert, M.** (2015). ENiRG: R-GRASS interface for efficiently characterizing the ecological niche of species and predicting habitat suitability. *Ecography*, 38 doi: 10.1111/ecog.01426. IF: 4.21

Domínguez-Godino, J., Slater, M., Colin, H., **González-Wangüemert, M.** (2015). A new species for sea cucumber ranching and aquaculture: breeding and rearing of *Holothuria arguinensis*. *Aquaculture*, 438: 122-128. IF: 1.828

Valente, S., Serrão E., **González-Wangüemert, M.** (2015) West vs East Mediterranean Sea: origin and genetic differentiation of the sea cucumber *Holothuria polii*. *Marine Ecology*, doi 10.1111/maec.12156. IF: 2.561.

Vergara-Chen, C., Rodrigues, F., **González-Wangüemert, M.** (2015) Population genetics of *Cerastoderma edule* in Ria Formosa (South Portugal): the challenge of understanding an intraspecific hotspot of genetic diversity. *Journal of the Marine Biological Association of the United Kingdom*, 95: 371-379. IF: 1.129

Rodrigues, F., Valente, S., **González-Wangüemert, M.** (2015) Genetic diversity across geographical scales in marine coastal ecosystems: *Holothuria arguinensis* a model species. *Journal of Experimental Marine Biology and Ecology*, 463: 158-167. IF: 2.475

González-Wangüemert, M., Valente, S., Aydin, M. (2015) Effects of fishery protection on growth and genetic structure of three target sea cucumber species. *Hydrobiologia*, 743: 65-74. IF: 2.475.

González-Wangüemert, M., Costa, J., Basso, L., Duarte, C.M., Serrão, E.A., Hendriks, I.E. (2015) Highly polymorphic microsatellite markers for the Mediterranean endemic fan mussel *Pinna nobilis*. *Mediterranean Marine Science*, 16/1: 31-35. IF: 1.734.

Casado-Amezua, P., Machordom, A., Bernardo, J., **González-Wangüemert, M.** (2014) New insights on genetic diversity of zooxanthellae in Mediterranean anthozoans. *Symbiosis* 63: 41-46. IF: 1.107

González-Wangüemert, M. & Vergara-Chen, C. (2014) Environmental variables, habitat discontinuity and life history shaping the genetic structure of *Pomatoschistus marmoratus*. *Helgoland Marine Research*, 68: 357-371. IF: 1.408

León-Ortega, M., **González- Wangüemert, M.**, Martínez, J.E., Calvo-Sendín, J.F. (2014) Spatial patterns of genetic diversity in Mediterranean Eagle Owl *Bubo bubo* populations. *Ardeola*, 61: 45-62 . IF: 0. 824

González-Wangüemert, M., Aydin, M., Chantal, C. (2014) Assessment of target sea cucumber populations from Aegean Sea (Turkey): first insights for a right management of their fisheries. *Ocean & Coastal Management*, 92: 87-94. IF: 1.769

González-Wangüemert, M., Domínguez-Godino, J., Giménez-Casalduero, F., Serrão E. (2014) Genetic signature of a recent invasion: *Bursatella leachii* (Blainville, 1817) coming to Mar Menor coastal lagoon. *Biochemical and Systematics Ecology* 54: 123-129. IF: 1.170.

Martinez-Garrido, J., **González-Wangüemert, M.**, Serrão E. (2014) New highly polymorphic microsatellite markers for the aquatic angiosperm *Ruppia cirrhosa* (Petagna) Grande reveal population diversity and differentiation. *Genome* 57: 57-59. IF: 1.558.

Hübner, K., **González-Wanguemert, M.**, Serrão E., Diekmann, O. (2013) Genetic polygynandry in the sex-role reversed pipefish *Syngnathus abaster* revealed by microsatellite-based parentage assignment. *Journal of Heredity* 104 (6): 791-797. IF: 2.799.

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González-Wangüemert, M. & Borrero-Pérez, G. (2012) A new record of *Holothuria arguinensis* colonizing the Mediterranean Sea. *Marine Biodiversity Records*, 5: e105. IF: 1.023.

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González-Wangüemert, M., Vega-Fernández, T., Pérez-Ruzafa, A., Giacalone, V.M. & Badalamenti, F. (2012). Genetic impact of a restocking experiment of white seabream in Sicily (Northwestern Mediterranean Sea). *Journal of Sea Research*, 68: 41-48. IF: 2.683.

Giménez-Casaldueiro, F., Muniain, C., **González-Wangüemert, M.**, Garrote-Moreno, A. (2011) *Elysia timida* (Risso, 1818) three decades of research. *Animal Biodiversity and Conservation* 34 (1): 217-227. IF: 0.196.

Kaouche, M., Barhi-Sfar, L., **González-Wangüemert, M.**, Pérez-Ruzafa, Á. & Ben Hassine, O.K. (2011) Is the Siculo-Tunisian strait an authentic gene flow barrier for fishes? Studying the case of white seabream along Tunisian coasts. *African Journal of Marine Sciences*, 33 (1): 79-90. IF: 1.520.

Borrero-Pérez, G., **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, A. (2011) Phylogeography of the Atlanto-Mediterranean sea cucumber *Holothuria (Holothuria) mammata*: the combined effects of historical processes and current oceanographical pattern. *Molecular Ecology*, 20 (9): 1964-1975. IF: 6.457.

González-Wangüemert, M., Froufe, E., Pérez-Ruzafa, A. & Alexandrino, P. (2011) Phylogeographical history of the white seabream *Diplodus sargus* (Sparidae): Implications for insularity. *Marine Biology Research*, 7: 250-260. IF: 1.484.

Borrero-Pérez, G., Gómez-Zurita, J., **Gonzalez-Wanguemert, M.**, Marcos, C. & Pérez-Ruzafa, A. (2010) Molecular systematic of the genus *Holothuria* in the Mediterranean and Northeastern Atlantic and a molecular clock for the diversification of the Holothuriidae (Echinodermata: Holothuroidea). *Molecular Phylogenetics and Evolution*, 57: 899-906. IF: 3.889.

Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, A. (2010) Genetic diversity and connectivity remain high in *Holothuria polii* (Delle Chiaje 1823) across a coastal lagoon-open sea environmental gradient. *Genetica*, 138: 895-906. IF: 2.358.

Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, A. (2010) High gene flow promotes the genetic homogeneity of *Pomatoschistus marmoratus* (Risso 1810) from Mar Menor coastal lagoon and adjacent marine waters. *Marine Ecology: An evolutionary Perspective*, 31: 270-275. IF: 1.558.

González-Wangüemert, M., Cánovas, F., Pérez-Ruzafa, A., Marcos, C. & Alexandrino, P. (2010). Connectivity patterns inferred from the genetic structure of white seabream (*Diplodus sargus* L.). *Journal of Experimental Marine Biology and Ecology*, 383: 23-31. IF: 2.116.

Vergara-Chen, C., Windsor, E.A., **González-Wangüemert, M.** & Bermingham, E. (2009). A mitochondrial DNA based phylogeny of weakfish species of the genus *Cynoscion* (Pisces: Sciaenidae). *Molecular Phylogenetics and Evolution*, 53: 602-607. IF: 3.871.

Vergara-Chen, C., **González-Wangüemert, M.**, Bermingham, E. & D'Croz, L. (2009) Identification of weakfish *Cynoscion* (Gill, 1861) in the Bay of Panama with RFLP markers. *Journal of Fish Biology*, 75: 1101-1107. IF: 1.246.

González-Wangüemert, M., Cánovas, F., Marcos, C. & Pérez-Ruzafa, Á. (2009) Phosphoglucose isomerase variability of *Cerastoderma glaucum* as a model for testing the influence of environmental conditions and dispersal patterns through quantitative ecology approaches. *Biochemical Systematics and Ecology*, 37: 325-333. IF: 1.136.

Borrero-Pérez, G., Pérez-Ruzafa, Á., Marcos, C. & **González-Wangüemert, M.** (2009) The taxonomic status of some Atlanto-Mediterranean species in the subgenus *Holothuria* (Echinodermata: Holothuroidea: Holothuriidae) based on molecular evidence. *Zoological Journal of the Linnean Society*, 157: 51-69. IF: 2.290.

Pérez-Ruzafa, A., Martín, E., Marcos, C., Zamarro, J.M., Stobart, B., Harmelin-Vivien, M., Polti, S., Planes, S., García-Charton, J. A., & **González-Wangüemert, M.** (2008). Modelling spatial and temporal scales for spillover and biomass exportation from MPAs and their potential for fisheries enhancement. *Journal for Nature Conservation* 16:234-255. IF : 0.940.

González-Wangüemert, M., Pérez-Ruzafa, Á., Cánovas, F., García-Charton, J.A. & Marcos, C. (2007) Temporal genetic variation in populations of *Diplodus sargus* from the SW Mediterranean. *Marine Ecology Progress Series* 334: 237-244. IF: 2.286.

González-Wangüemert, M., Pérez-Ruzafa, Á., García-Charton, J.A. & Marcos, C. (2006). Genetic differentiation and gene flow of two sparidae subspecies, *Diplodus sargus sargus* and *Diplodus sargus cadenati*, in Atlantic and SW Mediterranean populations. *Biological Journal of the Linnean Society* 89/4: 705-718. IF: 2.245.

Pérez-Ruzafa, Á., **González-Wangüemert, M.,** Lenfant, P., Marcos, C. & García-Charton, J.A. (2006) Effects of fishing protection on the genetic structure of fish populations. *Biological Conservation* 129: 244-255. IF: 2.854.

González-Wangüemert, M., Giménez-Casaldueiro, F. & Pérez-Ruzafa, Á. (2006). Genetic differentiation of *Elysia timida* (Risso, 1818) populations in Southwest Mediterranean and Mar Menor coastal lagoon. *Biochemical Systematics and Ecology*, 34: 514-527. IF: 0.906.

González-Wangüemert, M., Pérez Ruzafa, Á., Marcos, C. & García-Charton, J.A. (2004). Genetic differentiation of *Diplodus sargus* (L) populations in Southwest Mediterranean. *Biological Journal of the Linnean Society*, 82: 249-261. IF: 1.935.

González-Wangüemert, M., Pérez-Ruzafa, A., Rosique, M.J. & Ortiz, A. (2004). Genetic differentiation in two cryptic species of Ostreidae, *Ostrea edulis* (Linné, 1758) and *Ostreola stentina* (Payraudeau, 1826), in the Mar Menor lagoon (SW Mediterranean). *The Nautilus*, 118: 103-111. IF: 0.500.

González-Wangüemert, M., Pezzuto, R & Borzone, C. (2000). Preliminary analysis of the genetic variability of two natural beds of the scallop *Euvola ziczac* (Linnaeus, 1758) in Brazil. *Brazilian Archives of Biology and Technology*, 43(2). 235-240. IF: 0.397.

Papers in review

3 papers in review

Custodio, L., Roggatz, C., **González-Wangüemert, M.,** Pereira, H., Rodrigues, M., da Silva, M., Varela, J. (In review). First report of the nutritional profile and antioxidant potential of *Holothuria arguinensis*, a new resource for aquaculture in Europe. *Natural Product Research Journal* (GNPL-2015-0643)

Valente, S., Henriques, F., Serrão, E., **González-Wangüemert, M.** (in review). Setting biometric baselines for sea cucumber populations as new target fisheries in the NE Atlantic and Mediterranean. *Marine Environmental Research* (MERE-S-14-00485)

Segovia-Viadero, M., Serrão, E.A., Canteras-Jordana, J.C., **González-Wangüemert, M.** (in review). Are hatchery-reared sea urchins a potential threat to genetic diversity in wild populations? *Journal of Experimental Marine Biology and Ecology* (JEMBE-S-15-00233).

Papers in other journals

3 papers in international refereed journals not listed in ISI

González-Wangüemert, M., Maggi, M., Valente, S., Martínez-Garrido, J., Vasco-Rodrigues, N. (2014) *Parastichopus regalis*, the best host to shelter *Carapus acus* in temperate waters from Mediterranean Sea and Northeastern Atlantic Ocean. *Beche- de- Mer Bulletin*, 34: 38-42.

González-Wangüemert, M., Conand, C., Uthicke, S., Borrero-Pérez, G., Aydin, M., Erzini, K., Serrão. (2013) Sea cucumbers: the new resource for a hungry fishery (CUMFISH). Project PTDC/MAR/119363/2010. *Beche- de- Mer Bulletin*, 33: 65-66.

González-Wangüemert, M., Braga, T., Silva, M., Valente, S., Rodrigues, F., Serrão, E. (2013) Volunteer programme assesses the *Holothuria arguinensis* populations in Ria Formosa (southern Portugal). *Beche- de- Mer Bulletin*, 33: 44-48.

5 papers in journals not listed in ISC

González-Wangüemert, M., Conand, C., Uthicke, S., Borrero-Pérez, G., Erzini, K., Serrão, E. (2011). Sea cucumbers: the new resource for a hungry fishery (CUMFISH). *Ecologi@*, 3: 70-72.

González Wangüemert, M., Martínez-Garrido, J.A., Vergara-Chen., C., Serrão, E. (2011). Entre dos aguas: evolución de las poblaciones lagunares y marinas. *Eubacteria*, 26: 1-3.

González Wangüemert, M. (2005). El sargo en el litoral murciano. *Eubacteria*, 15: 20-21.

González-Wangüemert, M., Pérez-Ruzafa, A., Rosique, M.J. & Ortiz, A. (2002). Phosphoglucose isomerase variability in two sympatric species of Ostreidae in the coastal lagoon Mar Menor (SE Spain). *Revista de la Academia Canaria de Ciencias*, XIV: 295-303.

González Wangüemert, M. (2002). La reserva marina de Cabo de Palos-Islas Hormigas. *Eubacteria*, 10: 26-27.

CONGRESS

14 communications in National Congresses

57 communications in International Congress

Authors: Domínguez-Godino, J.A., Slater, M., Serrão, E. A., **González-Wangüemert, M.**

Title: Seagrass as new potential food resource for sea cucumber aquaculture

Congress: Mares Conference on Marine Ecosystems Health and Conservation

Communication: poster

Celebration place: Olhão (Portugal)

Year: 2014

Authors: Marquet, N., Hubbard, P., Canario, A., **González-Wangüemert, M.**

Title: The reproductive cycle of the sea cucumber *Holothuria arguinensis* in the Algarve (Southern Portugal).

Congress: Mares Conference on Marine Ecosystems Health and Conservation

Communication: poster

Celebration place: Olhão (Portugal)

Year: 2014

Authors: **González-Wangüemert, M.**, Aydin, M., Maggi, C., Valente, S., Conand, C

Title: Sea cucumbers in the Mediterranean Sea: effects of their fishery on growth and genetic structure.

Congress: Mares Conference on Marine Ecosystems Health and Conservation

Communication: poster

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Year: 2014

Authors: Valente, S., Borrero-Pérez, G., Serrão, E.A., **González-Wangüemert, M.**

Title: Genetic patterns and growth parameters of two new target sea cucumber species of the Mediterranean Sea fishery.

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Communication: poster

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Year: 2014

Authors: **González-Wangüemert, M.**, Cánovas, F., Valente, S., Henriques, F., Rodrigues, F., Maggi, C., Erzini, K., Gonçalves, J., Serrão, E., Conand C.

Title: CUMFISH project. Sea CUcumbers: the new resource for a hungry FISHery

Congress: Mares Conference on Marine Ecosystems Health and Conservation

Communication: Digital Object presentation

Celebration place: Olhão (Portugal)

Year: 2014

Authors: Martínez-Garrido, J., Engelen, A., Serrão, E.A., **González-Wangüemert, M.**

Title: Improving the knowledge of *Ruppia sp.*: microsatellite markers as a useful tool to species differentiation

Congress: Mares Conference on Marine Ecosystems Health and Conservation

Communication: poster

Celebration place: Olhão (Portugal)

Year: 2014

Authors: Domínguez-Godino, J., Custodio, L., Pereira, O., Reis, J., **González-Wangüemert, M.**

Title: Sea cucumbers: new perspectives for integrated multi-trophic aquaculture (SECUIMTA)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Magliozzi, C., **González-Wangüemert, M.**, Cánovas, F.

Title: The analysis of the ecological niche of *Holothuria arguinensis* for conservation purposes

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Olaya, J., Erzini, K., **González-Wangüemert, M.**

Title: Ecology of *Holothuria arguinensis*: estimation of population parameters and relation with substrate types.

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Marquet, N., Conand, C., Canario, A., Hubbard, P., **González-Wangüemert, M.**

Title: The reproductive cycle of the sea cucumber *Holothuria arguinensis* in the Algarve (Southern Portugal): preliminary results.

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Braga, T., Silva, M., Valente, S., Rodrigues, F., Siegenthaler, A., Serrão, E., **González-Wangüermert, M.**

Title: CUMFISH, get involved as a volunteer

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Bossers, S., **Gonzalez-Wanguemert, M.**, Dominguez, J., Engelen, A., Cucio, C., Muyzer, G.

Title: The sea cucumber microbiome

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Custodio, L., Roggatz, C., **González-Wangüemert, M.**, Pereira, H., Barreira, L., João-Rodrigues, M., Moreira da Silva, M., Varela, J.

Title: Nutritional profile and antioxidant activity of sea cucumbers from the Mediterranean Sea and North-Eastern Atlantic.

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Maggi, C., **González-Wangüemert, M.**

Title: Population and genetic structure of *Parastichopus regalis* (Cuvier, 1817) from the Mediterranean Sea and its commensal *Carapus acus* (Brünnich, 1768).

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Henriques, F., Serrão, E., **González-Wangüemert, M.**

Title: Genetic connectivity patterns in *Holothuria mammata* considering different spatial scales.

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Valente, S., Serrão, E., **González-Wangüemert, M.**

Title: West versus east Mediterranean Sea: origin and genetic differentiation of the sea cucumber *Holothuria polii*.

Workshop: Sea cucumbers: the new resource for a hungry fishery (CUMFISH)

Celebration place: Faro (Portugal)

Year: 2014

Authors: Valente, S., Sen, O., Ciftci, Y., Aydin, M., Serrão, E., **González-Wangüemert, M.**

Title: Assessing the effects of human selection through fishery on sea cucumber genetic structure and population dynamics

Congress: 14th Congress of the European Society for Evolutionary Biology

Celebration place: Lisbon (Portugal)

Year: 2013

Authors: Valente, S., Serrão, E., **González-Wangüemert, M.**

Title: West vs East Mediterranean: origin and genetic differentiation of the sea cucumber *Holothuria polii*

Congress: 14th Congress of the European Society for Evolutionary Biology

Celebration place: Lisbon (Portugal)

Year: 2013

Authors: Vasileiadou, K., Pavludi, C., Chatzinikolaou, E., **González-Wangüemert, M.**, Tsikopoulou, I., Kotoulas, G., Arvanitidis, C.

Title: Genetic diversity patterns of macrobenthic populations from lagoonal ecosystems.

Congress: 14th Congress of the European Society for Evolutionary Biology

Celebration place: Lisbon (Portugal)

Year: 2013

Authors: Custodio, L., Braga, T., **González-Wangüemert, M.**, Rodrigues, M.J., Barreira, L., Varela, J.

Title: Antioxidant and in vitro neuroprotective potential of the sea hare *Bursatella leachii*.

Congress: XIV International Symposium on Marine Natural Products.

Celebration place: La Toja (Spain)

Year: 2013

Authors: Hübner, K., **González-Wangüemert, M.**, Diekmann, O., Erzini, K., Serrão, E.

Title: Genetic polygynandry in the sex-role reversed pipefish *Syngnathus abaster* revealed by microsatellite-based parentage assignment.

Congress: 2nd Syngnathid Biology International Symposium

Celebration place: Faro (Portugal)

Year: 2013

Authors: Hübner, K., **González-Wangüemert, M.**, Diekmann, O., Erzini, K., Serrão, E.

Title: Comparing mark-recapture methods with a genetic approach based on parentage assignment to estimate size population of Syngnathids.

Congress: 2nd Syngnathid Biology International Symposium

Celebration place: Faro (Portugal)

Year: 2013

Authors: Vergara-Chen, C., **González-Wangüemert, M.**

Title: Assessing the population genetic structure in estuaries and coastal lagoons: implications for coastal management.

Congress: I Marine Sciences Congress. International Marine Science University of Panamá.

Celebration place: Ciudad de Panamá (Panamá)

Year: 2012

Authors: Segovia-Viadero, M., **González-Wangüemert, M.**, Jordana-Canteras, J.C., Serrão, E.
Title: Assessing the genetic impact of sea urchin restocking.
Congress: ASSEMBLE Conference, Access to Marine Resources - Generating Knowledge for Science and Society
Celebration place: Olhão, Portugal
Year: 2012

Authors: Chatzinikolaou, E., Pavludi, C., Vasileiadou, A., **González-Wangüemert, M.**
Title: Effects of stressful environmental factors in lagoonal ecosystems on marine microbial and invertebrate populations
Congress: ASSEMBLE Conference, Access to Marine Resources - Generating Knowledge for Science and Society
Celebration place: Olhão, Portugal
Year: 2012

Authors: **González-Wangüemert, M.**, Conand, C., Uthicke, S., Borrero-Pérez, G., Erzini, K., Aydın, M., Serrão, E.
Title: Sea cucumbers: the new resource for a hungry fishery (CUMFISH project)
Congress: 14th International Echinoderm Conference
Celebration place: Brussels, Belgium
Year: 2012

Authors: Roggatz, C.C., Custódio, L., **González-Wangüemert, M.**, Barreira, L., Pereira, H., Varela, J.
Title: Nutritional value and fatty acid profile of five sea cucumber species from the Mediterranean Sea and Northeast Atlantic Ocean
Congress: 14th International Echinoderm Conference
Celebration place: Brussels, Belgium
Year: 2012

Authors: Roggatz, C.C., Custódio, L., **González-Wangüemert, M.**, Barreira, L., Pereira, H., Varela, J.
Title: Nutritional profile and antioxidant properties of the sea cucumber *Holothuria arguinensis*.
Congress: 14th International Echinoderm Conference
Celebration place: Brussels, Belgium
Year: 2012

Authors: Segovia-Viadero, M. & **González-Wangüemert, M.**

Title: Assessing the genetic impact of sea urchin restocking.

Congress: 14th International Echinoderm Conference

Celebration place: Brussels, Belgium

Year: 2012

Authors: **González-Wangüemert, M.**, Domínguez Godino, J., Giménez Casalduero, F., Serrão, E.

Title: Genetic signature of a recent invasion: *Bursatella leachii* coming to Mar Menor coastal lagoon.

Congress: XVII Iberian Symposium of Marine Biology Studies

Celebration place: País Vasco, Spain

Year: 2012

Authors: **González-Wangüemert, M.**, Cánovas, F., Martínez-Garrido, J., Serrão, E.

Title: Molecular ecology and climate change: adaptive differentiation of *Cymodocea nodosa* populations through environmental clines.

Congress: XVII Iberian Symposium of Marine Biology Studies

Celebration place: País Vasco, Spain

Year: 2012

Authors: Martínez-Garrido, J., **González-Wangüemert, M.**, Serrão, E.

Title: Conservation and management of *Ruppia cirrhosa* genetic resources from south of Iberian Peninsula.

Congress: XVII Iberian Symposium of Marine Biology Studies

Celebration place: País Vasco, Spain

Year: 2012

Authors: Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C., Pérez-Ruzafa, A.

Title: Factors that shape the evolution of population differentiation in a coastal fish (*Pomatoschistus marmoratus*) along a lagoonal-marine transition.

Congress: III Congress of Spanish Society of Evolution Biology (SESBE)

Celebration place: Madrid

Year: 2011

Authors: Borrero-Pérez, G., **González-Wangüemert, M.**, Pérez-Ruzafa, A.

Title: La familia Holothuriidae de la región Atlántico-Mediterránea: taxonomía y relaciones evolutivas.

Congress: I Congreso Latinoamericano de Equinodermos

Celebration place: Puerto Madryn, Argentina

Year: 2011

Authors: Benvenuto C., **González-Wangüemert M.**, Mariani S.

Title: Geographical patterns of reproductive life-history plasticity in a sex-changing fish.

Congress: 46th European Marine Biology Symposium

Celebration place: Rovinj, Croatia

Year: 2011

Authors: **González-Wangüemert, M.**, Martínez-Garrido, J., Cánovas, F., Vergara-Chen, C., Serrao, E.

Title: In two waters: contemporary evolution of lagoon and marine populations.

Communication: Oral

Congress: World Conference on Marine Biodiversity

Celebration place: Aberdeen, Scotland

Year: 2011

Authors: **González-Wangüemert, M.**

Title: White seabream, what is telling us?

Communication: Oral

Congress: World Conference on Marine Biodiversity

Celebration place: Aberdeen, Scotland

Year: 2011

Authors: Martínez-Garrido, J., **González-Wangüemert, M.**, Cánovas, F., Serrao, E.

Title: Jardines olvidados bajo el mar: evaluación del estado de conservación de las fanerógamas *Ruppia cirrhosa* Petagna (Grande) y *Zostera noltii* (Hornemann) mediante su estudio genético.

Communication: Oral

Congress: III Congreso Nacional de Biodiversidad

Celebration place: Granada, Spain

Year: 2011

Authors: León-Ortega, M., **González-Wangüemert, M.**, Pérez, E., Lacalle, J.A., Martínez, J.E., Calvo-Sendín, J.F.

Title: Qué nos ululan los Búhos Reales de la Región de Murcia? Patrones de diversidad genética.

Communication: Oral

Congress: III Congreso Nacional de Biodiversidad

Celebration place: Granada, Spain

Year: 2011

Authors: Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C., Pérez-Ruzafa, A.

Title: Molecular ecology of lagoon populations: history of *Pomatochistus marmoratus* (Pisces, Gobiidae) in Mar Menor coastal lagoon.

Communication: Poster

Congress: XVI Simposio Iberico de Estudios de Biología Marina

Celebration place: Alicante (Spain)

Year: September 2010

Authors: Vergara-Chen, C., Aguirre, W.E., **González-Wangüemert, M.**, Bermingham, E.

Title: Phylogenetic and phylogeographic analysis of genus *Cynoscion* (Pisces: Scianidae) using mt and nuclear DNA.

Communication: Oral

Congress: XVI Simposio Iberico de Estudios de Biología Marina

Celebration place: Alicante (Spain)

Year: September 2010

Authors: Muniain, C., Giménez-Casalduero, F., **González-Wangüemert, M.**, Garrote-Moreno, A.

Title: Review about *Elysia timida* (Risso, 1818).

Communication: Poster

Congress: XVI Simposio Iberico de Estudios de Biología Marina

Celebration place: Alicante (Spain)

Year: September 2010

Authors: Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, A.

Title: High genetic diversity and absence of population differentiation in coastal lagoon environments: the case of the cockle *Cerastoderma glaucum* (Bivalvia: Cardiidae).

Communication: Oral

Congress: Congresso Português de Malacologia 2010

Celebration place: Faro (Portugal)

Year: 2010

Authors: Vergara-Chen, C., **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, A.

Title: Do the environmental conditions shape the genetic structure of local populations in a Mediterranean coastal lagoon?

Communication: Poster

Congress: 4th European Conference on Coastal Lagoon Research

Celebration place: Montpellier (France)

Year: 2009

Authors: Vergara-Chen, C., **González-Wangüemert, M.**, Pérez-Ruzafa, Á. & Marcos, C.

Title: Influence of lagoon environment on genetic structure of a recent colonizer of Mar Menor coastal lagoon (*Holothuria polii*) and a typical lagoon species (*Pomatoschistus marmoratus*).

Communication: Oral

Congress: 3^a ALBAN Conference

Celebration place: Porto (Portugal)

Year: 2009

Authors: Kaouache, M., Bahri-Sfar, L., **González-Wangüemert, M.**, Pérez-Ruzafa, Á., Ben Hassinne, O.

Title: Étude de la structure génétique des populations du sar commun *Diplodus sargus* des côtes tunisiennes.

Communication: Oral

Congress: 4^e Rencontres de l'Ichtyologie en France

Celebration place: Paris (France)

Year: 2009

Authors: **González Wangüemert, M.**, Pérez-Ruzafa, A., Marcos, C., & Alexandrino, P.

Title: Understanding the biogeography of the atlantic and mediterranean islands using mitochondrial and nuclear markers. A case of study: the white seabream (*Diplodus sargus*).

Communication: Poster

Congress: Evolutionary islands 150 years after Darwin

Celebration place: Leiden (Holanda)

Year: 2009

Authors: Borrero-Pérez GB., **González-Wangüemert, M.** Pérez-Ruzafa A., Marcos-Diego C.

Title: Genetic diversity and population structure of the sea cucumber *Holothuria mammata* in the Atlanto-Mediterranean region

Communication: Poster

Congress: Evolutionary islands 150 years after Darwin

Celebration place: Leiden (Holanda)

Year: 2009

Authors: Vergara-Chen, C., **González Wangüemert, M.**, Marcos, C., & Pérez-Ruzafa, A.

Title: Divergencia poblacional adaptativa de *Holothuria polii* en lagunas costeras: implicaciones genéticas.

Communication: Oral

Congress: IV Congreso de la Naturaleza de la Región de Murcia

Celebration place: Murcia (España)

Year: 2008

Authors: Borrero-Pérez, G., Pérez-Ruzafa, A. Marcos, C. & **González Wangüemert, M.**

Title: Estatus taxonómico de algunas especies del subgénero *Holothuria* (*Echinodermata: Holothuroidea: Holothuriidae*) con base en datos moleculares.

Communication: Oral

Congress: IV Congreso de la Naturaleza de la Región de Murcia

Celebration place: Murcia (España)

Year: 2008

Authors: Borrero-Pérez, G., Pérez-Ruzafa, A. & **González Wangüemert, M.**

Title: Taxonomic status of *Holothuria* subgenus species (*Holothuria: Holothuriidae*) from the Mediterranean Sea and Macaronesian Islands using mt-DNA.

Communication: Panel

Congress: I Congreso de la Sociedad Española de Biología Evolutiva

Celebration place: Tarragona (España)

Year: 2007

Authors: **González-Wangüemert, M.**, Cánovas, F., Pérez-Ruzafa, Á., Marcos, C.

Title: Aplicación de los modelos aditivos generalizados para establecer relaciones entre la composición genética de *Cerastoderma glaucum* y la variabilidad ambiental de la laguna costera del Mar Menor (SE de España).

Communication: Poster

Congress: II Congresso Iberico de Ecologia

Celebration place: Lisboa, Portugal

Year: Jul/2006

Authors: **González Wangüemert, M.**, Alexandrino, P., Froufe, E., Marcos, C. & Pérez-Ruzafa.

Title: Estructura genética de las poblaciones de *Diplodus sargus* a ambos lados del Estrecho de Gibraltar. Flujos genéticos y procesos de especiación.

Communication: Oral

Congress: XIV Simposio Iberico de Estudios de Biología Marina.

Celebration place: Barcelona (Spain)

Year: 2006

Authors: **González-Wangüemert, M.**, Pérez-Ruzafa, Á. Giménez-Casaldueiro, F.

Title: Is the Mar Menor coastal lagoon a ecological barrier for (*Elysia timida*)?. Evidence of a genetic differentiation in the sacoglossan populations

Communication: Poster

Congress: IV International Congress of the European Malacological Societies

Publication:

Celebration place: Naples, Italy

Year: 2005

Authors: **González-Wangüemert, M.**, Pérez-Ruzafa, Á. & Marcos, C.

Title: Genetic selection at Mar Menor coastal lagoon (SW Mediterranean).

Communication: Oral

Congress: II International Conference "European lagoons and their watersheds: function and biodiversity".

Publication:

Celebration place: Klaipėda, Lituania

Year: 2005

Authors: **González-Wangüemert, M.**, Pérez-Ruzafa, Á., García-Charton, J.A. & Marcos, C.
Title: Spatial patterns in the genetic diversity of *Diplodus sargus* in North Atlantic and Western Mediterranean populations
Communication: Oral
Congress: ASLO Summer Meeting. A Pilgrimage Through Global Aquatic Sciences.
Publication:
Celebration place: Santiago de Compostela (Spain)
Year: 2005

Authors: **González-Wangüemert, M.**, Giménez-Casalduero, F. & Pérez-Ruzafa, Á.
Title: Genetic variability of *Elysia timida* (Risso, 1818) populations in SW Mediterranean and Mar Menor coastal lagoon.
Communication: Oral
Congress: III Congreso de la Naturaleza de Murcia
Publication: Proceedings of III Congress of Murcia Nature
Celebration place: Murcia (Spain)
Year: 2004

Authors: García Charton, J.A., **González-Wangüemert, M.**, Pérez-Ruzafa, Á. & Marcos Diego, C.
Title: 15 years of follow-up of Cape Palos-Hormigas' reef fishes.
Communication: Oral
Congress: III Congreso de la Naturaleza de Murcia
Publication: Proceedings of III Congress of Murcia Nature
Celebration place: Murcia (Spain)
Year: 2004

Authors: Herrero Pérez, A., Espejo Cayuela, C., Polti, S., García Charton, J.A., **González-Wangüemert, M.**, Pérez-Ruzafa, Á. & Marcos Diego, C.
Título: Impact of diving activities in Cape Palos-Hormigas Islands marine reserve.
Communication: Oral
Congress: III Congreso de la Naturaleza de Murcia
Publication: Proceedings of III Congress of Murcia Nature
Celebration place: Murcia (Spain)
Year: 2004

Authors: **González-Wangüemert, M.**, Pérez-Ruzafa, Á., Marcos, C. & García-Charton, J.A
Title: Effects of fishing protection on the genetic structure of target fish populations.
Communication: Poster
Congress: II International Congress of Marine Science and Technology. Oceans III Millenium.
Publication: Proceedings of II International Congress of Marine Science and Technology
Celebration place: Alicante (Spain)
Year: 2003

Authors: **González-Wangüemert, M.**, García-Charton, J.A., Marcos, C. & Pérez-Ruzafa, Á.
Title: Effects of the absence of fishing in marine protected areas on reproductive strategy of *Diplodus sargus* (Linnaeus, 1758).
Communication: Poster
Congress: 36th European Marine Biology Symposium
Publication:
Celebration place: Maó (Menorca, Spain)
Year: 2001

Authors: **González-Wangüemert, M.**, Marcos, C. & Pérez-Ruzafa, Á.
Title: Complex effects on genetic structure of populations of *Diplodus sargus* (Linnaeus, 1758) in marine areas protection.
Communication: Poster
Congress: 36th European Marine Biology Symposium
Publications: Proceedings of 36th European Marine Biology Symposium
Celebration place: Maó (Menorca, Spain)
Year: 2001

Authors: **González-Wangüemert, M.**, Rosique, M.J., Pérez-Ruzafa, A. & Ortiz, A.
Title: Genetic divergence at *PGI locus* between two *Ostrea* sympatric species in Mar Menor coastal lagoon (Spain).
Communication: Oral
Congress: VI congreso Nacional de Acuicultura
Publication: Proceedings of VI Aquaculture National Congress
Celebration place: Cartagena (Murcia, Spain)
Year: 1997

Authors: **González-Wangüemert, M.**, Ortiz, A. & Pérez-Ruzafa, Á.

Title: *PGI* variability in *Cardium glaucum* (L.) at Mar Menor coastal lagoon (SE Spain) and its relation to environmental parameters.

Communication: Oral

Congress: II Congreso de la Naturaleza de Murcia estudio y Conservación de los Ecosistemas Semiáridos y las zonas costeras

Publication: Proceedings of II Congress of Murcia Nature. Study and Conservation of Semiarid Ecosystems and Coastal Zones.

Celebration place: Murcia, Spain

Year: 1997

Authors: **González-Wangüemert, M.**, Ortiz, A. & Pérez-Ruzafa, Á.

Title: *PGI* variability at *Cardium glaucum* (L.) populations from Mar Menor coastal lagoon (Spain) and its relationship to environmental.

Communication: Poster

Congress: X Simposio Iberico de Estudos de Bentos Marinho.

Publication: Proceedings of X Simposio Iberico de Estudos de Bentos Marinho.

Celebration place: Praia do Carvoeiro, Algarve (Portugal)

Year: 1998

Authors: Pérez-Ruzafa, A., Aliaga, V., Barcala, E., García-Charton, J., **González-Wangüemert, M.**, Gutiérrez, J.M., Marcos, C & Salas, F.

Title: Benthic fauna of Escombreras Bay (Murcia, SE Spain).

Communication: Oral

Congress: IX Simposio Ibérico de Estudios del Bentos Marino

Publication: Proceedings of IX Simposio Ibérico de Estudios del Bentos Marino

Celebration place: Alcalá de Henares (Madrid, Spain)

Year: 1996

Authors: Pérez-Ruzafa, A., Aliaga, V., Barcala, E., García-Charton, J., **González-Wangüemert, M.**, Gutiérrez, J.M., Marcos, C., Pérez-Ruzafa, I. & Salas, F.

Title: Influence of thermal pollution on benthic algae of Escombreras Bay (Murcia, SE Spain).

Communication: Oral

Congress: IX Simposio Ibérico de Estudios del Bentos Marino

Publication: Proceedings of IX Simposio Ibérico de Estudios del Bentos Marino

Celebration place: Alcalá de Henares (Madrid, Spain)

Year: 1996

STAYS IN RECOGNIZED CENTRES

Key: D=Ph.D student, P=postdoctoral. G= guest, S=staff, O=others (specify)

Centre: Laboratório de Praias Arenosas do Centro do Estudos do Mar, Universidad Federal do Paraná.

City: Pontal do Sul Country: Brasil Date: 1997

Lenght (weeks): 5 Topic: Molecular ecology, Molluscs, Pecten ziczac

Key: D

Centre: Laboratório de Electroforeses, Departamento de Bioquímica da Universidad Federal do Paraná.

City: Curitiba Country: Brasil Date: 1997

Lenght (weeks): 3 Topic: Marine genetics

Key: D

Centre: Centre de Biologie et d'Ecologie Tropicale et Méditerranéenne Laboratoire d'Ichtyoécologie Tropicale et Méditerranéenne Ecole Pratique des Hautes Etudes -CNRS Université de Perpignan.

City: Perpignan Country: France Date: 2002

Lenght (weeks): 1 Topic: Population genetics of *Diplodus sargus*

Key: D

Centre: Centro de Investigação em Biodiversidade e Recursos Genéticos (CIBIO), Universidade do Porto.

City: Porto Country: Portugal Date: 2005-2007

Lenght (weeks): 80

Topic: Genetic structure of Mediterranean and Atlantic fish populations

Key: P

Centre: Department of Biology, University of Tunisia

City: Tunisia Country: Tunisia Date: 2006

Lenght (weeks): 2

Topic: Discussion of results from AECI 2005-2006 (A/4396/05) Project. Sparid genetics.

Key: P

Centre: Centro do Ciências do Mar do Algarve (CCMAR)

City: Faro

Country: Portugal

Date: 2009

Lenght (weeks): 5

Topic: Genetic adaptation, selection, coastal lagoons

Key: P

Centre: Centre: Centro do Ciências do Mar do Algarve (CCMAR)

City: Faro

Country: Portugal

Date: 2009

Lenght (weeks): 12

Topic: Genetic adaptation, GIS, GAM, modelling, coastal lagoons

Key: P

OTHER MERITS

ORGANISATION OF SCIENTIFIC DISSEMINATION ACTIVITIES

2014 Workshop of CUMFISH project (Sea Cucumbers: the new resources for a hungry fishery; PTDC/MAR/119363/2010) funded by FCT (Fundação para a Ciência e a Tecnologia, Portugal) and European Union (EMBC and Erasmus Programs).

2015-2012 CUMFISH volunteer program for visual census of sea cucumbers in Mediterranean Sea and Atlantic Ocean.

2015-2012 CUMFISH volunteer program for mark-recapture sea cucumbers in Mediterranean Sea and Atlantic Ocean.

WORKSHOPS AND SEMINARS

2014 CUMFISH Workshop. University of Algarve, Portugal.

2012 Biotechnology applied to aquaculture. University of Algarve, Portugal.

2005 I Conference of Applied Proteomic. University of Alicante. Spain.

- 2004 Workshop of Fishery Resources. University of Cádiz and Regional Agricultural and Fishery Ministry. Spain.
- 2004 Workshop of Spatial Date Infrastructure. New requirements and contributions from environment. Service of Information and Environmental Integration of Murcia (SIGA). Spain.
- 2004 XV Seminar of Population Genetics and Evolution. Spanish Genetic Society. Guadalajara (Spain).
- 2002 Workshop of Stereology. University of Murcia. OLYMPUS. Spain.
- 2002 Research Forum to Spanish Fishery in Mediterranean Sea. University of Alicante, Spain.
- 2000 Workshop of Applied Statistics. University of Murcia, Spain.
- 1999 International Workshop about Marine Reserves. Agricultural and Fishery Ministry. Spain.

SELECTED COURSES

- 2009 International Symposium “Darwin and Evolution: 150 years of Natural Selection”. Ramón Areces Foundation, Madrid (Spain). November 23-24.
- 2009 Conference: Adaptation to European Space for Higher Education. Biology Faculty, University of Murcia, Spain.
- 2008 Interspecific relationships in Conservation Biology. Internacional Course. Fundación Ramón Areces and CIBIO, University of Alicante, Spain.
- 2008 Prevention of risks in laboratories. University of Murcia, Spain.
- 2007 Conference: Adaptation to European Space for Higher Education. Biology Faculty, Universitat de Girona, Spain.
- 2007 Conference: Adaptation to European Space for Higher Education. Escola Politècnica Superior, Universitat de Girona, Spain.
- 2006 Course of Phylogenetic analyses. CIBIO-University of Porto. Portugal.
- 2003 V Course of Prevention and Treatment of Diving Accidents. University of Murcia and Spanish Navy. Spain.
- 2003 Diving Course. Advanced Scuba Diver. NAUI.
- 2002 Pleasure Craft Skipper. Motor and Sail Ship.
- 2001 Speciation, phylogeny and phylogeography. University of Murcia, Spain.
- 2001 Electrophoretic methods to separation and identification of macromolecules. University of Murcia, Spain.

- 2001 Conservation and restoration of aquatic ecosystems: ideas and programs. University of Murcia, Spain.
- 2001 Management of coastal ecosystems. University of Murcia, Spain.
- 1994 Diving Course. Open Water Diver. PADI EUROPE.

REVIEW AND REFEREE ACTIVITIES

- 2006-2015 Referee services for *Comptes Rendus, Marine Biology, Marine Ecology Progress Series, Molecular Phylogenetics and Evolution, Estuarine Coastal, and Shelf Science, Marine Biology Research, African Journal of Agricultural Research, ICES Journal of Marine Science, Marine Ecology, Molecular Ecology, Diversity & Distributions, Aquatic Biology, PlosOne, Journal of the Marine Biological Association of the United Kingdom, Ocean and Coastal Management, Turkish Journal of Zoology, Pakistan Journal of Zoology and Fisheries Research.*
- 2008-2015 Member of research panel to Agencia Nacional de Evaluación y Prospectiva (ANEP). Spain.
- 2010 MGW was member (supply) of jury evaluating the Patricia Cabezas Padilla' Thesis. "Sistemática e historia evolutiva de la familia Galatheididae (Crustacea: Anomura) en el Pacífico Sur." . Universidad Autónoma de Madrid. 2010.
- 2012 MGW was reader of C. Roggatz' Msc Thesis. EMBC Master Thesis: "Evaluation of the nutritional profile of different species of sea cucumbers used for human consumption". CCMAR, Universidade do Algarve.
- 2012 MGW was member of jury evaluating the P. Casado de Amezua Ayala' Thesis: "Genetic assessment of population structure and connectivity in two endemic Mediterranean corals: *Astroides calycularis* (Pallas, 1766) and *Cladocora caespitosa* (Linnaeus, 1767)". European PhD. Universidad de Alcalá de Henares and Museo Nacional de Ciencias Naturales. July 20 th 2012.
- 2014 MGW was external reviewer of Anna Addamo' Thesis: "Systematics and phylogeography of the deep-sea coral *Desmophyllum dianthus* (Anthozoa,

Hexacorallia): morphological and molecular evidences)". International PhD.
Universidad Autónoma de Madrid. 2014.