

Part A. PERSONAL INFORMATION

CV date

24/10/2023

First and Family name	Margarita Gomila Ribas		
Social Security, Passport, ID number	43109530D	Age	46
Researcher numbers	Researcher ID	H-3314-2015	
	Orcid code	0000-0001-8725-190X	

A.1. Current position

Name of University/Institution	Universidad de las Islas Baleares		
Department	Biología (Microbiología) / Facultad de Ciencias		
Address and Country	Ctra. Valldemossa, km. 7.5, 07122 - Palma		
Phone number	619826371	E-mail	marga.gomila@uib.es
Current position	Profesora Titular de Universidad	From	16/04/2019
UNESCO spec. code	241400 - Microbiology		
Keywords	Phylogeny, Molecular evolution, Computational Biology, Genetic Ecology, Genomics, Proteomics, Population biology, Ecology, Epidemiology, Clinical Microbiology		

A.2. Education

PhD	University	Year
Extraordinary Doctorate Award (biental 2006-2007)	Universidad de las Islas Baleares	20/03/2018
Doctor in Biology European Doctorate mention	Universidad de las Islas Baleares	25/05/2007
Official Program of Doctorate in Environmental Microbiology and Biotechnology	Universidad de las Islas Baleares	2007
Advanced Studies Diploma	Universidad de las Islas Baleares	2005
Bachelor's degree in Biochemistry	Universidad de las Islas Baleares	2000
Pedagogical Aptitud Course (CAP)	Universidad de las Islas Baleares	2000
Bachelor's degree in Biology	Universidad de las Islas Baleares	1999

A.3. JCR articles, h Index, thesis supervised...

- Co-supervisor of five doctoral theses: three in 2015, one in January 2022 and the last one on the 31st of March 2023.
- Currently, co-supervising one doctoral theses to be defended in the second semester of 2024, and supervising two other doctoral thesis to be defended in 2024 and 2025.
- My publications have been cited 1934 times with an h-index of 25 according to Scopus and 2753 according to Google Scholar (h-index=30, i10 index=63).
- I have participated in more than 40 national and international funded projects, being the principal investigator in eight of them. One of the last projects that I have get is an ITN project funded by the European Union.
- I have participated in more than 80 national and international conferences.

- In my CV are listed two book chapter, three informative articles and 75 publications in peer reviewed journals (5 of them conference proceedings). On the 75 publications, 60 are indexed in the ISI JCR, mainly in Microbiology and Biotechnology areas. Fifteen of them are international peer-reviewed publications, indexed only in Cite Score Rank (12 Genome Announcements, 1 New Microbes and New Infections, 1 Accession Microbiology and 1 Protocol Exchange Nature). Of these 60 indexed publications, 49 are in the first and second quartile. I am the first author in 23 publications, the second author in 16, the last author in four and the corresponding author in 8 of them. I have two manuscripts under review and 2 drafts in preparation.
- In the last years (2016-2021) in my CV are listed more than 40 publications, two informative papers and two book chapters.

Part B. CV SUMMARY (*max. 3500 characters, including spaces*)

Section B. SUMMARY OF THE CURRICULUM

My training as a researcher and my participation in several research projects have consolidated my professional experience in the field of molecular microbial ecology, particularly in the study of the microbiota present in aquatic habitats. I received my bachelor degree in Biology (1999) and in Biochemistry (2000) from the UIB. From 2000 to 2003 I enjoyed own collaboration scholarships from the UIB. From 2003 to 2007, I had a pre-doctoral fellowship from the Spanish MICINN (FPI). During that period, I did 3 pre-doctoral stays abroad, Barcelona (2 months), Göttingen (4) and Exeter (3) which served to acquire scientific skills necessary for my thesis project and to build links with other laboratories for future collaborations. On May 2007, I defended my PhD at the UIB, obtaining the European Doctorate Degree, and the Extraordinary Doctorate Award (biennial 2006-2007). Later on I was hired as a staff researcher and part-time associate lecturer in microbiology at the UIB. During this time, I did two postdoctoral research stays in Göteborg University (GU, Sweden) for a total of 9 months. In February 2010, I started my second post-doc as a result of a "Juan de la Cierva" postdoctoral contract granted by the Spanish MINECO, in the Microbiology Unit of Hospital Son Llàtzer supported by the Mateu Orfila Foundation (later FISIB). During this period, I have got twins, enjoying a maternity leave period. Since June 2013 to September 2017 I was a postdoctoral researcher at the UIB, working on genomics and metagenomics with different grants and contracts. In 2015 and 2106, I did 4 and 5 months stays in GU that allows me to establish international relationships and collaborations with other laboratories. From 2017 to April 2019 I was Lecturer (Profesor Contratado Doctor) at the UIB and since April 2019 I am "Profesor Titular".

I have actively participated in more than 40 national and international funded projects, being IP in six of them. One of the last projects that I have participated in a EFSA project, and I just get an ITN project funded for the European union. In my CV are listed 2 book chapter, 3 informative articles and 71 publications in peer-reviewed journals (56 of them indexed: 45 in the first and second quartile). I am the first author in 23; the second author in 14; the last author in three and corresponding author in 7 of them. I have 2 manuscripts in preparation. My publications have been cited 1934 times with an h-index of 25 according to Scopus and 2753 according to Google Scholar (h-index=30, i10 index=63).

I have participated in more than 80 national and international conferences. The merits of my investigation have been recognized by 5 research awards, 4 in conferences and one at regional level. The microbiology group, to which I belong, was awarded with the prize Jaume II by the Govern Balear in 2012. Since 2010 I am acting as a reviewer for scientific journals and as reviewer for the AGAUR since 2011.

I have teaching experience at different levels: graduate, undergraduate, and master degree. During my scientific career I have contributed to the training of undergraduate students of the biology degree on projects of research initiation, as well as more than 20 directions of final Master projects. I have co-supervised five doctoral theses, one of them with the Oporto University in the frame of an International PhD Programme in Biotechnology funded by FSE, defended in 2022. I am acting as supervisor of two thesis and co-supervising another doctoral thesis. I have three recognized sexennial's and all the complements of activity and excellence researcher of our Autonomic community. I have served as member of the evaluation committee of several PhD and master projects. I am secretary of the Faculty of Science (since march 2020).

Part C. RELEVANT MERITS

C.1. List of relevant publications (including books)

1. Gomila M*, Mulet M*, Scotta C, Sánchez D, Lalucat J, García-Valdés E. 2012. Concordance between whole-cell matrix-assisted laser-desorption/ionization time-of-flight mass spectrometry and multilocus sequence analysis approaches in species discrimination within the genus *Pseudomonas*. *Systematic and Applied Microbiology* 35: 455 -464.
2. Scotta C, Mulet M, Sanchez D, Gomila M, Ramírez A, Bennasar A, Garcia-Valdés E, Holmes B, Lalucat J. 2012. Identification and genomovar assignation of clinical strains of *Pseudomonas stutzeri*. *European Journal of Clinical Microbiology and Infectious Diseases* 31(9): 2133-2139.
3. Gomila M*, Scotta C*, Mulet M, Lalucat J, García-Valdés E. 2013. Whole-cell MALDI-TOF mass spectrometry and multilocus sequence analysis in the discrimination of *Pseudomonas stutzeri* populations: three novel genomovars. *Microbial Ecology* 66(3): 522-533.
4. Gomila M*, Gallegos MC, Fernández-Baca V, Pareja A, Pascual M, Díaz Antolín MP, García-Valdés E, Lalucat J. 2013. Genetic diversity of clinical *Pseudomonas aeruginosa* isolates in a public hospital in Spain. *BMC Microbiology* 13: 138.
5. Gomila M*, Peña A*, Mulet M, Lalucat J, García-Valdés E. 2015. Phylogenomics and systematics in *Pseudomonas*. *Frontiers in Microbiology* 6: 214.
6. Beiki F, Busquets A, Gomila M, Rahimian H, Lalucat J, García-Valdés E. 2016. New *Pseudomonas* spp. are pathogenic to citrus. *PLoS One* 11(2): e0148796.
7. Mulet M, Gomila M, Ramirez A, Cardew S, Moore ERB, Lalucat J, García-Valdés E. 2017. Uncommonly isolated clinical *Pseudomonas*: identification and phylogenetic assignation. *European Journal of Clinical Microbiology and Infectious Diseases* 36(2): 351-359.
8. Busquets A*, Gomila M*, Beiki F, Mulet M, Rahimian H, García-Valdés E, Lalucat J. 2017. *Pseudomonas caspiana* sp. nov., a citrus pathogen in the *Pseudomonas syringae* phylogenetic group. *Systematic and Applied Microbiology* 40: 266-273.

* Both authors had contributed equally.

9. Michael E, Gomila M, Lalucat J, Nitzan Y, Pechatnivok I, Cahan R. 2017. Proteomic assessment of the expression of genes related to toluene catabolism and porin synthesis in *Pseudomonas stutzeri* ST-9. *Journal of Proteome Research* 16(4): 1683-1692.
10. Gomila M, Busquets A, Mulet M, García-Valdés E, Lalucat J. 2017. Clarification of taxonomic status within the *Pseudomonas syringae* species group based on a phylogenomic analysis. *Frontiers in Microbiology* 8: 2422.
11. Moralejo E, Borràs D, Gomila M, Montesinos M, Adrover F, Juan A, Nieto A, Olmo D, Seguí G, Landa BB. 2019. Insights into the epidemiology of Pierce's disease in vineyards of Mallorca, Spain. *Plant Pathology* 68(8):1458-1478.
12. Moralejo E, Gomila M, Montesinos M, Borràs D, Pascual A, Nieto A., Adrover F, Gost PA, Seguí G, Busquets A, Jurado-Rivera JA, Quetglas B, García JD, Beidas O, Juan A, Velasco-

- Amo MP, Landa BB, Olmo D. Reconstructing a long-overlooked *Xylella fastidiosa* outbreak in Europe. *Nature Communications Biology* 3, 560.
13. Olmo D, Nieto A, Borràs D, Montesinos M, Adrover F, Pascual A, Gost PA, Quetglas B, Urbano A, Garcia JD, Velasco-Amo MP, Olivares-García C, Beidas O, Juan A, Marco-Noales E, Gomila M, Rita J, Moralejo E, Landa BB. 2021. Landscape epidemiology of *Xylella fastidiosa* in the Balearic Islands. *Agronomy MDPI*. 11(3), 473.
13. Lalucat J, Gomila M, Mulet M, Zaruma AS, García-Valdés E. 2022. Past, present and future of the boundaries of the *Pseudomonas* genus: proposal of *Stutzerimonas* gen. nov. *Systematic and Applied Microbiology* 45: 126289.
14. Rocha J, Ferreira C, Mil-Homens D, Busquets A, Fiahlo AM, Henriques I, Gomila M, Manaia C. 2022. Third generation cephalosporin-resistant *Klebsiella pneumoniae* thriving in patients and in wastewater: what do they have in common? *BMC Genomics* 23, 72.
15. Rocha J, Henriques I, Gomila M, Manaia C. 2022. Common and distinctive genomic features of *Klebsiella pneumoniae* thriving in the natural environment or in clinical settings. *Scientific Reports* 12, 10441.
16. Gomila M, Mulet MM, García-Valdés E, Lalucat J. 2022. Genome-based taxonomy of the genus *Stutzerimonas* and proposal of *S. frequens* sp. nov. and *S. degradans* sp. nov. and emended descriptions of *S. perfectomarina* and *S. chloritidismutans*. *Microorganisms MDPI* 10: 1363.

C.2. List of relevant research projects and grants

1. CGL2015-70925-P, Filogenómica del género *Pseudomonas* y aplicación a nuevas cepas de interés ambiental, biotecnológico y clínico Ministerio de Economía y Competitividad. Proyectos Excelencia 2015. PI: Jorge Lalucat. (Universidad de las Islas Baleares). 01/01/2016-31/12/2018. 98.900 €. Team member.
2. Grant Agreement No. 321570, Nanofluidics for ultrafast diagnosis of bacterial infections (NanoDiaBac) EuroNanoMedII. PI: Fredrik Westerlund (Sweden), Jorge Lalucat (Universitat de les Illes Balears). 01/01/2015-31/12/2017. Team member.
3. Estudi pilot de l'epidemiologia molecular del patògen vegetal *Xylella fastidiosa* a les Illes Balears basat amb l'anàlisi MLST (Ref. AAEE024/2017) (Universidad de las Islas Baleares). 01/09/2017-31/08/2017. PI: Margarita Gomila
4. Collection of data and information in Balearic Islands on biology of vectors and potential vectors of *Xylella fastidiosa*. EFSA, European Food Safety Authority. Call reference: GP/EFS/ALPHA/2017/01 – Call title: Collection of data and Information in Balearic Islands on biology of vectors and potential vectors of *Xylella fastidiosa*. 01/12/2017-30/11/2020. 200.000 €. PI: Miguel Angel Miranda. Team Member.
5. Mètodes ràpids d'identificació de llevats enològics de Mallorca, selecció de soques adequades pel procés de vinificació (Ref. PROCOE/8/2017). Coordinate projects of R+D between research centers and companies for a better knowledge of Science and technology - Direcció General d'Innovació i Recerca, Vicepresidència i Conselleria d'Innovació, recerca i turisme. 22/12/2017 - 22/12/2020. 84.000 €. PI: Jorge Lalucat Jo. Team member.
6. Genómica de *Xylella fastidiosa*, patògeno vegetal emergente en cuarentena. Projectes de recerca "La Caixa" en àrees estratègiques – Obra Social La Caixa. 08/09/2017 - 30/09/2018. 36.000 €. PI: Margarita Gomila
7. Desarrollo de estrategias de erradicación, contención y control de *Xylella fastidiosa* en España: proceso de infección y respuesta de genotipos (E-RTA2017-00004-C06-04) Empresa/Administración financiadora: Proyecto en I+D emergente, en el Marco del Plan Estatal de Investigación Científica y Técnica de Innovación. 2013-2016. Convocatoria 2016. 01/01/2018 - 31/12/2020. 163.490 € (Subproject 4). PI: Antonio Vicent Civera (PI Balears: Miguel Angel Miranda. Team member.

8. Red Iberoamericana para la vigilancia de *Xylella fastidiosa* (IBER-XYFAS). CYTED: Investigación Convocatoria 2018. 01/01/2019-31/12/2022. 25.000 €. Coordinador: Juli Pereto Magraner (PI Baleares: Margarita Gomila)
9. PID2019-107481GA-I00 - Evolución en aguas subterráneas: sistemática molecular del género de anfípodos subterráneos Haploginglymus (AmphiSysEvo) financiado por el organismo Ministerio de Ciencia, Innovación y Universidades. 01/06/2020- 31/05/2023. 112.530,00€. PI: José Antonio Jurado Rivera.
9. EU ITN project PEST-BIN 2020-2024, co-applicant (4150 k€): Engineering of new technologies for curbing bacterial infections, specifically, work package on development of biosensors for bacterial infections. Coordinator: Ivan Mijakovic, PI-Spain: Margarita Gomila.
10. Microbiota endófitas en plantas infectadas por *Xylella* y plantas sanas (ENDOXP) – Ref. PID2020-119449RB-I00. Ministerio de Ciencia e Innovación. 186340 €. PI: Margarita Gomila y Elena Garcia-Valdés).
11. Biodiversidad microbiana y gestión medioambiental: bioindicadores microbianos de la infección por *Xylella fastidiosa* (BIO004). Conselleria de Fons Europeus, Universitat i cultura. Gobierno Balear. Duración: 01/05/2023 -31/08/2025. 103,900 €. PI: Margarita Gomila

C.3. Contracts

1. Detección del patógeno vegetal *Xylella fastidiosa* en plantas de les Illes Balears Conselleria de Medi Ambient, Agricultura i Pesca. 01/04/2017-01/04/2018. PI: Jorge Lalucat. Team member.
- 2 Contract through the Fundación Universidad-Empresa de las Islas Baleares with the company Jansen-Cilag SA with the title: Microbial ecology of hemodialysis water systems in the Nephrology Department of Hospital Son Llàtzer Janssen-Cilag, S.A.. 01/06/2008-P6M. 18.000 €. PI: Jorge Lalucat. Team member.
- 3 Participation in the project 'Preliminary study on the characterization of autochthonous yeasts involved in the winemaking of the area Pla i Llevant de Mallorca' Denominación de Origen Pla i Llevant; Govern de les Illes Balears. Antonio Bennasar. 01/06/2008-P6M. 18.000 €. PI: Jorge Lalucat. Team member.
- 4 Collaboration agreement with the Consell Insular de Mallorca, TIRME SA and the University of the Balearic Islands to conduct proceedings under the Environmental Monitoring Plan Consell de Mallorca; Tirme, S.A. (Universidad de las Islas Baleares). 01/01/2004-P5Y. 150.000 €. PI: Jorge Lalucat. Team member.
5. Lote 2. Detección de la bacteria fitopatógena *Xylella fastidiosa* en los diferentes vegetales de las Islas Baleares - Diseño e implementación de estrategias de control frente a *Xylella fastidiosa*. Contrato con la Consejería de Medio Ambiente, Agricultura y Pesca. 01/05/2019-31/04/2022; 149.000 €. PI: Margarita Gomila
6. PROYECTO FUEIB - Estudi i multiplicació de llevats autoctons adaptats a les característiques de les varietats locals, millora de l'expressió del terroir dels cellers mallorquins. IP: Dra. Margarita Gomila, Projecte R+D científic (Espai Accelera) 2022. Empresa: Can Majoral. Duración : 28/07/2022 – 30/11/2022.

C4. Scientific-Technical Merits. Ability to manage and assess R & D & I. Organization of R+D activities. (1) Meeting organization: ECCOXXVIII – European Culture Collections' Organization Annual Meeting – Cellular and Genetic Diversity and Microbial Commons for the Research Community (member of the local committee). Göteborg, Sweden. Data: 02/07/2009 - 03/07/2009 Duration: 2 days. (2) Organization of the meeting: ECCO – European Culture Collection Organization Special Event: Microbial Diversity, Genomics, Methods and Microbial Commons for the Interaction within the Research Community (member of the local team organizers: CCUG in collaboration with ECCO). Göteborg, Sweden. Data: 02/07/2009 (1 day). (3) organizer of the seminar series for the Microbiology Unit from the 01/09/2011 to the

30/07/2017 and from the 10/09/2018 until now. (4) Member of the organization of the XVIII Taxon of the Taxonomy, Phylogeny and Biodiversity of the Microbiology Spanish Society, celebrated online in October, 2020. (5) Member of the organization of the XIX Taxon of the Taxonomy, Phylogeny and Biodiversity of the Microbiology Spanish Society celebrated in Puerto de Soller on October, 2022. **Reviewer of manuscripts:** Since 2010, I have been active as a reviewer for several international journals (*i.e.*, Applied and Environmental Biotechnology, Systematic and Applied Microbiology, FEMS Microbiology Letters, International Journal of Systematic and Evolutionary Microbiology, BMC Microbiology, Clinical Microbiology and Infection, PLoS One). **Editor of manuscripts:** Frontiers in Microbiology, Systematic and Applied Microbiology and International Journal of Systematic and Evolutionary Microbiology. **Reviewer of Agency Management of University and Research, AGAUR, of projects, grants and contracts:** Since 2011, I have been active as a reviewer for various AGAUR programs. **Court member of doctoral thesis and Master works:** Since 2009, I have been opponent on several doctoral thesis defenses and from final master's projects. **Management:** I am secretary of the Science Faculty since March 2020. I am director of the Master Universitario de Microbiología Avanzada since the 3rd of October 2023.

C5. Membership op Scientific societies and professional associations: (1) Vocal of the Taxonomy, phylogeny and biodiversity group from the Spanish Microbiology Society (2015-2023), (2) Secretary of the Taxonomy, phylogeny and biodiversity group from the Spanish Microbiology Society (2023-nowadays), (3) Vocal of the Spanish Microbiology Society (2023-nowadays), (4) Member of the Spanish Microbiology Society (2004-nowadays)

C6. Teaching and training of young researches. I have a positive evaluation for teaching and research purposes at the level of Assistant Professor (*Profesor asociado*) and Associate Lecturer (*Profesor Contratado Doctor*) (PAD number: 2008-5245 and PAD-004-2008) from the National Agency for Quality Assessment and Accreditation (ANECA), since November 27th, 2008, and from September 2013 to Lecturer (*Profesor Titular*) (Reference: 2013-001280). I got a permanent position as Profesor titular in April 2019. I had three recognized sexennial and all the complements of activity and excellence researcher of our Autonomic community. I have extensive teaching experience on master and graduate students from three different degrees, Biology, Biochemistry and Odontology. I have co-supervised five doctoral theses, three defended in 2015, one in January 2022 and one in 2023. I am currently supervising two thesis (to be defended in 2024 and 2025) and co-supervising another one to be defended in the second semester of 2024.