

## CURRICULUM VITAE ABREVIADO (CVA)

**IMPORTANT** – *The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.*

### Part A. PERSONAL INFORMATION

First name	Margarita		
Family name	Gomila Ribas		
Gender (*)	Woman		
Social Security, Passport, ID number	43109530D	CV Date	22/01/2025
e-mail	marga.gomila@uib.es	Researcher ID: H-3314-2015	
Open Researcher and Contributor ID (ORCID) (*)	0000-0001-8725-190X		

(\*) Mandatory

#### A.1. Current position

Position	Catedrática Universidad		
Initial date	21/01/2025		
Institution	Universidad de las Islas Baleares		
Department/Center	Biología (Microbiología) / Facultad de Ciencias		
Country	Spain	Teleph. number	619826371
Key words	Phylogeny, Molecular evolution, Computational Biology, Genetic Ecology, Genomics, Proteomics, Population biology, Ecology, Epidemiology, Clinical Microbiology, <i>Xylella</i> , <i>Pseudomonas</i>		

#### A.2. Previous positions (research activity interruptions, indicate total months)

Period	Position/Institution/Country/Interruption cause
2019-2024	Profesora Titular de Universidad
2017-2019	Profesor Contratado Doctor Interino
2013-2017	Investigador postdoctoral
2010-2013	Investigador contratado Juan de la Cierva

#### A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Extraordinary Doctorate Award (biental 2006-2007)	Universidad de las Islas Baleares	20/03/2018
Doctor in Biology	Universidad de las Islas Baleares	25/05/2007
European Doctorate mention 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

### Part B. CV SUMMARY (max. 5000 characters, including spaces)

With a solid foundation in molecular microbial ecology, particularly focusing on the microbiota of aquatic and plant environments, I bring over two decades of comprehensive research experience

to the field. My academic journey began with dual bachelor's degrees in Biology and Biochemistry from the UIB, in 1999 and 2000, respectively, followed by a rigorous doctoral program funded by the Spanish MICINN, during which I completed multiple pre-doctoral researches 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. Upon receiving my European Doctorate Degree and the prestigious Extraordinary Doctorate Award, I transitioned into roles as a postdoctoral researcher, at the Microbiology Unit of Hospital Son Llàtzer during three years (at that period I have got twins, enjoying a maternity leave period) and after that at the microbiology laboratory at the UIB, being on some periods part-time lecturer. I complemented this period by international postdoctoral positions in Göteborg University, Sweden (almost two years at different periods), 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, from April 2019 until January 2025 "Profesor Titular", and now "Catedrática de Universidad".

I have actively participated in more than 40 **national and international funded projects**, being IP in eight of them. One of the last projects that I have participated in a EFSA project, and an ITN project funded for the European union. In my CV are listed 2 book chapter, 5 informative articles and more than 75 publications in peer-reviewed journals, most of them indexed. I am the first author in 23; the second author in 16; the last author in three and corresponding author in 8 of them. I have 4 manuscripts under review and two in preparation. My publications have been cited 2371 times with an h-index of 28 according to Scopus and 3396 according to Google Scholar (h-index=33, i10 index=66).

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 and from the AEI since 2024.

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 30 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, and supervised one thesis that will be defended in march 2025, in the frame of an ITN project funded for the European Union. I am acting as supervisor of two thesis and co-supervising another doctoral thesis. I have three recognized sexennial's, five quinquennials 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), Director of the Master in Advance Microbiology (since September 2023), and secretary of the Doctorate Program in Environmental and Biomedical Microbiology (since September 2023). I am editor of the Systematic and Applied Microbiology and of IJSEM.

**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); (5) Members of the Microbiology Society (2024-nowadays); (6) Member of the American Society of Microbiology (2024-nowadays) and Spanish ASM Ambassador since January 2025.

## **Part C. RELEVANT MERITS** (sorted by typology)

### **C.1. Publications** (see instructions)

1. Gomila M\*, Peña A\*, Mulet M, Lalucat J, García-Valdés E. 2015. Phylogenomics and systematics in *Pseudomonas*. *Frontiers in Microbiology* 6: 214.
2. 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.

3. 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.
4. 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.
5. 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.
6. 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.
7. Olmo D, Nieto A, Borràs D, Montesinos M, Adrover F, Pascual A, Gost PA, Quetglas B, Urbano A, García 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.
8. 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.
9. 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.
10. 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. Congress**, indicating the modality of their participation (invited conference, oral presentation, poster)

Since 2014 I have participated in more than 20 national and international congress signing more than 70 communications, both poster and oral communication. In some meetings I gave an invited talk. Mainly, I have participated in national congress (National Congress of Microbiology every two years and in the Taxonomy, phylogeny and diversity group congress), as well as international meetings as the FEMS Meeting or the *Xylella* meetings organized by the EFSA. Some examples of invited communications are as follows:

- Gomila M. Genómica en la taxonomía bacteriana: Impacto en el género *Pseudomonas*. XXVIII Congreso Nacional de Microbiología. 2021. Invited conference.
- Gomila M. Genómica en *Xylella fastidiosa*. Ponente en el curso de Verano VII Escuela de Biología Molecular y Celular Integrativa. The Challenge of Bacterial Pathogens. Santander. 2021 (30 August-3 September). Invited conference.
- Gomila M. Explorando el patógeno vegetal *Xylella fastidiosa*: qué sabemos y qué necesitamos saber. XXVII Curso de Iniciación a la Investigación en Microbiología Profesor J. R. Villanueva. Jardí Botànic (Universitat de València). València, 8-11 of July de 2024. Invited conference

**C.3. Research projects**, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

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 patogen 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. Genómica de *Xylella fastidiosa*, patógeno 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
6. 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 Baleares: Miguel Angel Miranda. Team member.
7. 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)
8. 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.
9. Microbiota endófitas en plantas infectadas por *Xylella* y plantas sanas (ENDOXF) – Ref. PID2020-119449RB-I00. Ministerio de Ciencia e Innovación. 186340 €. PI: Margarita Gomila and Elena Garcia-Valdés.
10. 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.4. Contracts, technological or transfer merits**, Include patents and other industrial or intellectual property activities (contracts, licenses, agreements, etc.) in which you have collaborated. Indicate: a) the order of signature of authors; b) reference; c) title; d) priority countries; e) date; f) Entity and companies that exploit the patent or similar information, if any

1. Detección del patógeno vegetal *Xylella fastidiosa* en plantas de las Islas Baleares Conselleria de Medi Ambient, Agricultura i Pesca. 01/04/2017-01/04/2018. PI: Jorge Lalucat. Team member.
2. Contrato de investigación y desarrollo para desarrollar Estrategias de prevención, erradicación, contención y control de Xf en olivo en España. Contrato de investigación y desarrollo entre la Organización Interprofesional del aceite de oliva español y las siguientes entidades u organismos: la agencia estatal Consejo Superior de Investigaciones Científicas (CSIC), el Instituto Valenciano de Investigaciones Agrarias (IVIA), la Universidad de Valencia, la Universidad de Girona, la Universidad de las Islas Baleares, el Instituto de Investigación y Tecnología Agroalimentarias y el Instituto de Investigación y Formación Agraria y Pesquera. 7 entities. 01/10/2018 - 31/09/2020 163.490 € (Subproyecto 4). PI: Blanca Landa (PI-Baleares: Miguel Angel Miranda). Team Member
3. 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
4. PROJECTE FUEIB - Estudi i multiplicació de llevats autoctons adaptats a les característiques de les varietats locals, millora de l'expressió del terroir dels cellers mallorquins. Projecte R+D científic (Espai Accelera) 2022. Empresa: Can Majoral. 28/07/2022 – 30/11/2022. PI: Margarita Gomila.
5. Contrato para el desarrollo de actividades de desarrollo científico-técnico entre la universidad y la empresa Can Majoral SAT para evaluar la capacidad de fermentación de levaduras obtenidas de distintas variedades de uva, obteniendo vino de calidad con características organolépticas. 10/09/2021 –09/04/2022. PI: Margarita Gomila\*
6. Contrato para el desarrollo de actividades de desarrollo científico-técnico entre la universidad y la empresa Bodega Ribas SAT para evaluar la capacidad de fermentación de levaduras obtenidas de distintas variedades de uva, obteniendo vino de calidad con características organolépticas. 02/08/2021 –01/03/2022. PI: Margarita Gomila\*

**\*Ambos contratos se firmaron de nuevo en 2023 y 2024.**