

CURRICULUM VITAE

Part A. PERSONAL INFORMATION

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| CV date | 12/03/2024 |
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|---|---|----------------------|------------|
| First name | Jordi | | |
| Family name | Pagès Fauria | | |
| Gender | Male | Date of Birth | 09/04/1985 |
| Passport, ID number | 40372284Q | | |
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| Open Researcher and Contributor ID (ORCID) | 0000-0001-9346-8312 | | |

A.1. Current position

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|--------------------------|--|--|-----------|
| Job Title | Ramón y Cajal researcher (RYC2022-036196-I) | | |
| Starting date | 01-02-2024 | | |
| Institution | Consejo Superior de Investigaciones Científicas | | |
| Department/Centre | Marine Ecology | Centro de Estudios Avanzados de Blanes | |
| Country | Spain | Phone number | 650886385 |
| Keywords | Coastal resilience, marine ecology, seagrass, saltmarsh, sand dunes, biotic interactions, plant-animal interactions, public perceptions research | | |

A.2. Previous positions (Research career breaks included)

| Period | Job Title / Institution / Country |
|-----------|---|
| 2022-2024 | Postdoctoral researcher / Centro de Estudios Avanzados de Blanes, Spain |
| 2019-2021 | Marie Skłodowska-Curie Postdoctoral Fellow (15 months part-time 50%), Universitat de Barcelona, Spain |
| 2020 | Career interruption – Paternity leave (2 nd child, 4 months) |
| 2015-2018 | Sêr Cymru Postdoctoral Research Fellow, Bangor University, United Kingdom |
| 2016 | Career interruption – Paternity leave (1 st child, 2 months) |
| 2013-2015 | Postdoctoral researcher / Centro de Estudios Avanzados de Blanes, Spain |
| 2009-2012 | Formación de Profesorado Universitario (FPU) doctoral fellowship, Centro de Estudios Avanzados de Blanes, Spain |
| 2009-2009 | FI Doctoral fellowship (AGAUR, Generalitat de Catalunya), Centro de Estudios Avanzados de Blanes, Spain (6 months, then declined in favour of an FPU) |
| 2008-2008 | Beca de Colaboración en Departamentos (Ministerio de Educación) – Research assistant, Ecology Department, Universitat de Barcelona, Spain |

A.3. Education

| Degree / Master / PhD | University / Country | Year |
|--|---------------------------------|------|
| PhD in Fundamental and Applied Ecology | Universitat de Barcelona, Spain | 2013 |
| MSc in Fundamental and Applied Ecology | Universitat de Barcelona, Spain | 2009 |
| Degree in Biology | Universitat de Barcelona, Spain | 2008 |

Part B. CV SUMMARY

My research primarily aims at **identifying and quantifying the drivers, processes and feedback mechanisms that influence coastal resilience** to global change, mostly through the study of plant-animal and plant-soil interactions. To achieve a mechanistic comprehension of such processes I combine a variety of perspectives: from biogeochemistry to landscape ecology, community ecology and, recently, methods borrowed from the humanities. Focussing on such a contested zone, the coast, my approach has increasingly progressed from an ecosystem-oriented approach to a more holistic and interdisciplinary perspective, bringing the human dimension and the dynamic nature of the coast to the foreground. My results have contributed to highlight the underestimated role of indirect effects and have been key in placing biology as an integral element of coastal resilience, in contrast to the dominant view of coastal ecosystems being dominated by physical drivers. I have communicated my research in 15 international conferences and written 38 peer-reviewed papers in leading journals such as Nature

Ecology and Evolution, Ecography, or Journal of Ecology. These contributions prove my **capability as a leading author** (29 %). In addition, the **scientific relevance** of my research is evidenced by its impact (>1300 citations), invitations to international conferences and seminars (including 4 invited talks), and awards (including the “best PhD thesis” award by the University of Barcelona). Further, during my postdoctoral phase, I was PI of 1 project and WP-leader of 2, awarded 3 competitive fellowships (JdC-Formación [declined], Sêr Cymru and MSCA), and positively evaluated for a *científico titular* position at CSIC (2022, 49 points out of 60). Recently, I started a **Ramón y Cajal contract**, which has already allowed me to capture funding from a CSIC Interdisciplinary Thematic Platform (PTI OCEANS+), to submit a proposal for the 2023 Knowledge Generation call (Agencia Estatal de Investigación), and to apply for the National Parks project call that will open soon (OAPN, in preparation).

During my career, I have developed a **professional independence and leadership capacity**. The 40 % of my publications are without my PhD supervisors. I have been responsible for managing ~280 000 € of funding as PI or WP-leader and participated in 17 research projects (4 EU-funded, 9 Spanish, 4 others). In addition, I have convened 3 special sessions in international conferences. As a result, I have collaborated with researchers from >15 different countries. My **internationalisation** is also evident from the extensive period abroad (>3.5 years), including a predoctoral stay in India (2 months) and a 3.5-year postdoc in Wales (UK).

My interest in science also includes **lecturing, tutoring, and mentoring**. I have supervised 20 students: 2 PhD students (one finished in 2021 with Excellent-Cum Laude, the other ongoing), a visiting PhD student, 3 Erasmus+ students, 5 MSc projects, 6 End-of-Degree projects and 3 End-of-Highschool projects. I also mentored 2 other PhD students at Bangor University (my contribution reflected as being author in their publications) and participated in 4 PhD thesis defence committees. My teaching activity has been recognized with the ‘Accreditation of Research’ (Catalan Quality Agency), having lectured at BSc and MSc levels at the University of Barcelona and Bangor University (>40 hours).

I strongly advocate for **disseminating our results to the wider society**. I have led the dissemination tasks of two international research projects (RESILCOAST and CoastWEB) that materialised in an [exhibition](#) at the Royal Geographical Society of London in 2020, I have also collaborated with a high-school to improve their educational programme through science ([Magnet project](#)), written outreach articles in blogs and magazines (e.g. [l'Atzavara](#)), participated in a European Researcher’s Night project ([OceanNight](#)) and contributed to many other activities (e.g. Pint of Science, Open Days). I have also striven to **transfer my knowledge to policymakers and end-users** both in Spain and in the UK. This has resulted in my work being used as evidence for discussions by the [British Parliamentary Office of Science and Technology](#), and in a report on nature-based solutions by the [British Ecological Society](#) (page 119). Further, I am currently involved in two knowledge-transfer contracts with the Catalan Water Authority (ACA), to monitor water quality using seagrasses as indicators.

Finally, I am **committed to institutional responsibilities**. I was the organiser of the seminars at CEAB-CSIC for 3 years (2011-2014), I am an active member of the sustainability commission, also at CEAB, and I currently serve as a staff representative on the board (“Junta”) of the same institute. Finally, I have reviewed >15 grants for the British Ecological Society, reviewed a MSCA-COFUND proposal, and reviewed >40 manuscripts from high-impact journals.

Part C. RELEVANT MERITS

C.1. Most important publications in international peer-reviewed journals

I have authored 38 SCI publications, of which I am lead author (first or co-first author) of 11 (29%), and senior author of 2 (5%). You can find all my publications’ pdfs following [this link](#).

- 1 Buñuel, X. (AC), Alcoverro, T., Boada, J., et al., & **Pagès, J.F.** (12/12). (2023) Indirect grazing-induced mechanisms contribute to the resilience of Mediterranean seagrass meadows to sea urchin herbivory. *Oikos*, in press. DOI: 10.1111/oik.09520
- 2 Tian, W., Hawlena, D., **Pagès, J.F.**, Zhong, Z., & Wang, D. (2023). Fear of predators alters herbivore regulation of soil microbial community function. *Ecology and Evolution*, 13(7), e10207. DOI:10.1002/ece3.10207
- 3 Kennedy, H.* (AC), **Pagès, J.F.*** (AC), Lagomasino, D., et al., & Duarte, C.M. (2/18). (2022). Species traits and geomorphic setting as drivers of global soil carbon stocks in seagrass meadows. *Global Biogeochemical Cycles*, 36(10), e2022GB007481. DOI: 10.1029/2022GB007481. *Shared first authorship.



- 4 Duggan-Edwards, M. F., **Pagès, J. F.**, Jenkins, S. R., Bouma, T. J., & Skov, M. W. (2020). External conditions drive optimal planting configurations for salt marsh restoration. *Journal of Applied Ecology*, 57(3), 619–629. DOI: 10.1111/1365-2664.13550
- 5 Mckinley, E., **Pagès, J. F.**, Ballinger, R. C., & Beaumont, N. (2020). Forgotten landscapes: Public attitudes and perceptions of coastal saltmarshes. *Ocean & Coastal Management*, 187, 105117. DOI: 10.1016/j.ocecoaman.2020.105117.
- 6 **Pagès, J. F.**, Jenkins, S. R., Bouma, T. J., Sharps, E., & Skov, M. W. (2019). Opposing Indirect Effects of Domestic Herbivores on Saltmarsh Erosion. *Ecosystems*, 22(5), 1055–1068. DOI: 10.1007/s10021-018-0322-5
- 7 Bakker, E. S., **Pagès, J. F.**, Arthur, R., & Alcoverro, T. (2016). Assessing the role of large herbivores in the structuring and functioning of freshwater and marine angiosperm ecosystems. *Ecography*, 38(2), 162–179. DOI: 10.1111/ecog.01651
- 8 **Pagès, J. F.**, Gera, A., Romero, J., & Alcoverro, T. (2014). Matrix composition and patch edges influence plant-herbivore interactions in marine landscapes. *Functional Ecology*, 28(6), 1440–1448. DOI: 10.1111/1365-2435.12286
- 9 Gera, A., **Pagès, J. F.**, Arthur, R., Farina, S., Roca, G., Romero, J., & Alcoverro, T. (2014). The effect of a centenary storm on the long-lived seagrass *Posidonia oceanica*. *Limnology and Oceanography*, 59(6), 1910–1918.
- 10 **Pagès, J. F.**, Farina, S., Gera, A., Arthur, R., Romero, J., & Alcoverro, T. (2012). Indirect interactions in seagrasses: fish herbivores increase predation risk to sea urchins by modifying plant traits. *Functional Ecology*, 26(5), 1015–1023. DOI: 10.1111/j.1365-2435.2012.02038.x

C.2. Conferences and meetings

I have contributed as 1st author in 15 international conferences, participating with oral presentations in 14 of them. I have convened 3 special sessions and presented an invited talk.

- 1 **Pagès, J. F.**, Ibáñez, C. & Romero, J. Contemporary and long-term resilience in coastal fringe ecosystems. British Ecological Society Annual Meeting. (2019). Belfast, United Kingdom. Invited talk to a thematic session. Conference.
- 2 **Pagès, J.F.** & Skov, M. Resilience of carbon sequestration to ecosystem transitions. British Ecological Society Annual Meeting. (2018). Birmingham, United Kingdom. Oral communication. Conference.
- 3 Paar, M., McKinley, E., **Pagès, J.F.**, Schubert, H. & de Jonge, V. Assessing and valuing our environment: challenging the ecosystem services approach. Estuarine and Coastal Sciences Association 57 Annual Conference. (2018). Perth, Australia. Scientific and organising committee of a Special Session. Conference.
- 4 **Pagès, J.F.**, Ladd, C.J.T., Mateo, M.A. & Skov, M. Resilience of carbon sequestration to ecosystem transitions. Ecological Society of America Annual Meeting. (2018). New Orleans, United States of America. Oral communication. Conference.
- 5 **Pagès, J.F.** & McKinley, E. Ecosystem services: a bridge or a barrier? Ecological Society of America Annual Meeting. (2018). New Orleans, United States of America. Oral communication and organiser of a participatory special session. Conference.
- 6 Griffin, J.N., **Pagès, J.F.**, McKinley, E. & Skov, M.W. SaltmarshNET: A global network of saltmarsh research. SaltmarshNET. (2017). Nant Gwrtheyrn, United Kingdom. Scientific and organising committee. Workshop.
- 7 **Pagès, J.F.** & Skov, M. Opposing effects of grazing on saltmarsh erosion. Ecological Society of America Annual Meeting. (2017). Portland, United States of America. Oral communication. Conference.
- 8 **Pagès, J.F.**, Smith, T.M., Tomás, F., Sanmartí, N., Pérez, M., Arthur, R., Romero, J. & Alcoverro, T. Contrasting effects of ocean warming on different components of plant-herbivore interactions. International Seagrass Biology Workshop. (2016). Llíthrafaen, United Kingdom. Oral communication. Conference.
- 9 **Pagès, J.F.**, Alcoverro, T., Arthur, R. & Romero, J. Green in tooth and claw: marine herbivores as initiators of indirect interactions. British Ecological Society & Société Française d'Ecologie Joint Meeting. (2014). Lille, France. Oral communication. Conference.
- 10 **Pagès, J.F.**, Alcoverro, T., Arthur, R. & Romero, J. Conserving ecosystem modifiers: a double-edged sword. Megafauna and ecosystem function conference. (2014). Oxford, United Kingdom. Poster presentation. Conference.

C.3. Research projects

Participation in 17 research projects: 5 international, including 1 from NERC (United Kingdom), and 4 from the EU; 9 national (Spanish Government).

- 1 **Ref:** Plataforma Temática Interdisciplinar OCEAN+ (ESM2304002). **Title:** OCEAN+: Marine macrophytes as actors and receivers in the climate change process: mitigation-impact duality. **Funder:** Ministerio para la Transición Ecológica y el Reto Demográfico. **PI:** J.F. Pagès (CEAB-CSIC). **Start:** 03/2023. **End:** 12/2025. **Budget:** 112 000 €. **Role:** Supervision, main researcher.
- 2 **Ref:** PID2020-113745RB-I00. **Title:** STORM: Storms of change: Assessing how extreme weather events in the Mediterranean modify vegetated coastal systems, their services, and societal perceptions of them. **Funder:** Agencia Estatal de Investigación. **PI:** T. Alcoverro (CEAB-CSIC). **Start:** 11/2021. **End:** 10/2023. **Budget:** 144 000 €. **Role:** Part of the core research team. Conceptualisation. Writing. WP leader.
- 3 **Ref:** 795315. **Title:** FOREPAST: Past, present and future environmental, biological and social transitions in coastal ecosystems. **Funder:** European Commission (Marie Skłodowska-Curie programme). **PI:** J. F. Pagès (Universitat de Barcelona). **Start:** 03/2019. **End:** 12/2021. **Budget:** 170 000 €. **Role:** Conceptualisation, writing, main researcher.
- 4 **Ref:** CTM2017-86695-C3-1-R. **Title:** UMBRAL: Responses of benthic marine vegetation to stress: critical transitions, resilience, & management opportunities. **Funder:** Ministerio de Economía y Competitividad. **PI:** J. Romero (Universitat de Barcelona). **Start:** 01/2018. **End:** 12/2020. **Budget:** 110 000€. **Role:** Conceptualisation, working team.
- 5 **Ref:** NE/N013573/1. **Title:** CoastWEB: Valuing the contribution which coastal habitats make to human health and wellbeing, with a focus on the alleviation of natural hazards. **Funder:** United Kingdom Research and Innovation (NERC-Valuing Nature Programme). **PI:** N. Beaumont (Plymouth Marine Laboratory). **Start:** 04/2017. **End:** 03/2020. **Budget:** 1 300 000 €. **Role:** Conceptualisation, writing. In working team.
- 6 **Ref:** RESILCOAST. **Title:** Integrating ecosystem resilience into coastal planning for the persistence of natural flood protection and wetland ecosystem services. **Funder:** Welsh Government. **PI:** M. W. Skov (Bangor University). **Start:** 01/2015. **End:** 12/2018. **Budget:** 600 000 €. **Role:** In working team, responsible for 2 work packages.
- 7 **Ref:** CTM2013-48027-C3-1-R **Title:** RECCAM: Seagrass meadows resilience to global warming: an analysis based on responses at ecophysiological, population and ecosystem levels. **Funder:** Ministerio de Economía y Competitividad. **PI:** J. Romero (Universitat de Barcelona). **Start:** 01/2014. **End:** 12/2017. **Budget:** 52 000 €. **Role:** In working team.

C.4. Contracts, technology/knowledge transfer and exploitation of results

- 1 **Ref:** CTN2200982. **Title:** Contract to monitor the water quality in Catalan coast using the seagrass *Posidonia oceanica* as an indicator, in accordance with the Water Framework Directive (2000/60/CE). **Funder:** Catalan Water Agency (Agència Catalana de l'Aigua – ACA). **Start:** 09/2023. **End:** 05/2025. **Budget:** 187 400 €. **Role:** Writing the project, tendering, reporting.
- 2 **Ref:** CTN2200249. **Title:** Contract to monitor the water quality in the Ebro Delta's bays using the seagrass *Cymodocea nodosa* as an indicator, in accordance with the Water Framework Directive (2000/60/CE). **Funder:** Catalan Water Agency (Agència Catalana de l'Aigua – ACA). **Start:** 09/2022. **End:** 05/2025. **Budget:** 120 800 €. **Role:** Writing the project, tendering, reporting.
- 3 Agreement with Natural England (UK Government) allowing them to use, free of charge the [scientific illustrations](#) co-developed by [Toni Llobet](#) & [J.F. Pagès](#). Work value 4 000 €. **Date:** 2021.
- 4 Exhibition and stakeholder engagement day at the Royal Geographical Society of London. **Title:** [Reclaiming Wetland Values: Marsh, Mud and Wonder](#). **Date:** 27th January – 2nd February 2020. **Funder:** Valuing Nature Programme. **Budget:** 22 000 €. **Role:** Part of the working team. Science-art outreach event showcasing results from CoastWEB project.
- 5 Bursary awarded to [J.F. Pagès](#) to work at the MetOffice, Hadley Centre (UK), to foster collaboration between ecologists and meteorologists. **Funder:** Higher Education Funding Council for Wales (United Kingdom). **Budget:** 1 600 €. **Date:** 05/2017. **Role:** Main researcher.
- 6 Co-author of an end-of project (RESILCOAST) policy brief. **Title:** [Science to Policy: Salt Marsh Resilience and Coastal Management](#). **Date:** 02/2018. **Outcome:** Our results have been used as evidence by the [UK parliament](#) and in a report on [nature based solutions by the British Ecological Society](#).