

CURRICULUM VITAE (CVA)

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

		CV date	20/09/2023
Part A. PERSONAL INFORMATION			
First name	José		
Family name	Templado		
Gender (*)	M	Birth date (dd/mm/yyyy)	22/01/1957
Social Security, Passport, ID number	50286367H		
e-mail	templado@mncn.csic.es	https://www.mncn.csic.es/es/quienes_somos/templado-gonzalez-jose	
Open Research and Contributor ID (ORCID)(*)	ORCID: 0000-0002-6571-4720		

(*) Mandatory

A.1. Current position

Position	Researcher		
Initial date	01/03/1988		
Institution	Consejo Superior de Investigaciones Científicas		
Department/Center	Museo Nacional de Ciencias Naturales		
Country	Spain	Teleph. number	
Key words	Marine biodiversity, conservation, taxonomy, phylogeny, reproductive biology, gastropods.		

A.2. Previous positions (research activity interruptions, art. 45.2.b))

Period	Position/Institution/Country/Interruption cause
1987-1988	Assistant Professor at Universidad Autónoma de Madrid, Spain. Position interrupted due to a permanent appointment.

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD: Biological Sciences	Complutense University of Madrid	1982
Licensed: Biological Sciences	Complutense University of Madrid	1979

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

My early research endeavours were primarily focused on the fundamental aspects of marine biodiversity description, including taxonomic and faunal studies. Notable outcomes from this phase include the publication of various books on the marine flora and fauna of different regions in our geography (Cabo de Gata, Columbretes Islands, Alboran Island, and the coast of Ceuta), seagrass meadows along the coasts of Murcia and Almeria, and inventories of gastropod fauna along the Spanish coasts. Currently, I collaborate in international forums for

compiling data on marine biodiversity, such as the Check List of European Marine Mollusca (CLEMAM), MarBEF Data System, or the World Register of Marine Species (WoRMS). In this regard, the article in the PLoS One journal (2010) on Mediterranean marine biodiversity stands out, with over 1400 citations.

In a subsequent phase, I started to investigate various aspects of marine gastropods, including 1) reproductive biology, 2) genetic structuring of certain species, 3) phylogeny, and 4) secondary metabolites synthesized by specific aposematic species, all in collaboration with various research groups. These investigations have resulted in the publication of a substantial number of articles in impactful journals. Notably, the results obtained on the chemical-ecological factors facilitating the invasion processes of marine species, published in the PNAS journal, are among the most recent findings. In the field of phylogeny, the complete mitochondrial genome sequencing of various gastropod species and the development of phylogenetic schemes with highly innovative results, initially questioned but ultimately accepted by the scientific community as a whole, are remarkable (results published in *Molecular Biology and Evolution*, *BMC Evolutionary Biology*, *Molecular Phylogenetic and Evolution*, *Gene*, and *Zoologica Scripta*).

Simultaneously, I have been involved in topics related to marine environment conservation, both in research and management aspects. Since 1989, when I was invited as a speaker to the International Colloquium on "Marine Species to Protect in the Mediterranean" under the auspices of the European Community, I have participated in various forums related to Mediterranean conservation. I was one of the experts designated for the development of annexes to the Barcelona Convention, first as a Spanish representative and later contracted as an external advisor by the EU. I also serve as a regular advisor to the Ministry of the Environment on matters concerning protected marine species and areas.

From a management perspective, I have been a Founding Member and President of the Spanish Malacology Society, Vice Director of Research at the National Museum of Natural Sciences (CSIC), and Head of the Biodiversity and Evolutionary Biology Department. I am a member of the Editorial Committee for several journals, a regular reviewer for many others, an evaluator for ANEP (National Agency for Evaluation and Prospective Analysis), and have been part of the organizing or scientific committees of numerous congresses.

Regarding long-term scientific and technical objectives, they revolve around participation in multidisciplinary teams to study the mechanisms that generate and modulate biodiversity patterns and to contribute to decision-making for its conservation.

Some indicators:

Sexenios: 4; *Quinquenios*: 6

Doctoral theses supervised: 9 (4 in the last 10 years)

Total citations in Web of Science: 3077

Total publications in the first quartile: 19

h-index: 25

Google Scholar metrics, including books and other journals:

Total citations: 5954

h-index: 35

Part C. RELEVANT MERITS (sorted by typology)

C.1. Most important publications in books and journals with "peer review" and in conferences (see instructions).

Guallart, J, **Templado, J.** & Luque, A.A. 2022. Recruitment of the endangered limpet *Patella ferruginea* in the Chafarinas Islands (SW Mediterranean). *Journal of the Marine Biological Association of the United Kingdom*, 102: 580-595.

Repullés, M., López-Márquez, V., **Templado, J.**, Taviani, M. & Machordom, A. 2022. Genetic Structure of the Endangered Coral *Cladocora caespitosa* Matches the Main Bioregions of the Mediterranean Sea. *Frontiers in Genetics*, 13:889672.

Ledoux, J.-B., Ghanem, R., Horaud, M., López-Sendino, P., Romero-Soriano, V., Antunes, A., Bensoussan, N., Gómez-Gras, D., Linares, C., Machordom, A., Ocaña, O., **Templado, J.**, Leblois, R., Ben Souissi, J., & Garrabou, J. 2021. Gradients of genetic diversity and differentiation across the distribution range of a Mediterranean coral: Patterns, processes and conservation implications. *Diversity and Distributions*, 27: 2104-2123.

Uribe, J.E., Irisarri, I., **Templado, J.** & Zardoya, R. 2019. New patellogastropod mitogenomes help counteracting long-branch attraction in the deep phylogeny of gastropod mollusks. *Molecular Phylogenetic and Evolution*, 133: 12-23.

Chefaoui, R.M., Casado-Amezúa, P. & **Templado, J.** 2017. Environmental drivers of distribution and reef development of the Mediterranean coral *Cladocora caespitosa*. *Coral Reefs*, 36: 1195-1209.

Calvo, M., Alda, F., Oliverio, M., **Templado, J.** & Machordom, A. 2015. Surviving the Messinian Salinity Crisis? Divergence patterns in the genus *Dendropoma* (Gastropoda: Vermetidae) in the Mediterranean Sea. *Molecular Phylogenetic and Evolution*, 91: 17-26.

Oscá, D., **Templado, J.** & Zardoya, R. 2015. Caenogastropods mitogenomics. *Molecular Phylogenetic and Evolution*, 93: 118-128.

Templado, J. 2014. Future Trends of Mediterranean Biodiversity. En: *The Mediterranean Sea. Its history and present challenges* (Goffredo, S. & Dubinsky, Z. Eds.). Springer, pp. 479-498. ISBN: 978-94-007-6703-4

Casado-Amezúa, P., Goffredo, S., **Templado, J.** & Machordom A. 2012. Genetic assessment of population structure and connectivity in the threatened Mediterranean coral *Astyroides calycularis* (Scleractinia, Dendrophyllidae) at different spatial scales. *Molecular Ecology*, 21: 3671-3685.

Mollo, E., Gavagnin, M., Carbone, M., Castelluccio, F., Pozzone, F., Roussis, V., **Templado, J.**, Ghiselin, M. & Cimino, G. 2008. Factors promoting marine invasions: a chemoeological approach. *Proceeding of the National Academy of Sciences*, 105(12): 4582-4586.

C.2. Congress.

He has participated in 44 congresses (21 national and 23 international), delivering 11 invited lectures and presenting a total of 67 communications (34 oral and 33 panel). He has been part of the Scientific or Organizing Committee in 11 of them.

C.3. Projects or research lines in which you have participated.

“Genómica de la adaptación en radiaciones evolutivas” (Ref.: PID2019-103947GB-C22). Funding agency: Ministerio de Ciencia e Innovación. Duration: 01/06/2020 to 31/05/2023. PI: Rafael Zardoya. Grant: 222.640 euros.

“Expansiones y regresiones en especies marinas y salobres. Signatura genómica en un Mediterráneo cambiante” (Ref.: PID2019-108644GB-I00). Duration: 01/06/2020 to 31/05/2023. PI: Annie Machordom. Grant: 209.330 euros.

“Genómica comparada y de la adaptación en el estudio de la radiación en islas macaronésicas: los caracoles marinos *Conus* de cabo verde y sus conotoxinas como sistema modelo” (Ref. CGL2016-75255-C2-1-P). Funding agency: Ministerio de Economía y Competitividad. Duration: 2017 to 2019. PI: Rafael Zardoya (MNCN-CSIC). Grant: 157.000 €.

“Conectividad en especies costeras con escasa capacidad de dispersión y factores que modulan su estructuración genética. aplicaciones a la conservación” (Ref. 20133M512).

Funding agency: Ministerio de Economía y Competitividad. Duration: 01/01/2015 to 31/12/2017. PI: Annie Machordom.

“Comprendiendo la base molecular de las radiaciones en islas: estudio evolutivo de las conotoxinas en los caracoles marinos *Africonus* de Cabo Verde mediante transcriptómica” (20133M512). Funding agency: Ministerio de Economía y Competitividad. Duration: 01/06/2014 to 31/05/2016. PI: Rafael Zardoya (MNCN-CSIC). Grant: 206.206 €.

“Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential”. Funding agency: Séptimo Programa Marco de la Unión Europea Duration: 01/03/2012 to 31/02/2016. PI: Ferdinando Boero (Universidad de Salento, Lecce). Grant: 9.000.000 €.

“Mitogenómica de las principales líneas de gasterópodos” (20103M288). Funding agency: Ministerio de Ciencia e Innovación (DGPTC). Duration: 01/08/2010 to septiembre de 2013. PI: Rafael Zardoya (MNCN-CSIC). Grant: 141.000 €.

C.4. Participation in technology/knowledge transfer activities and exploitation of results, and others.

- He supervised 9 doctoral theses.
- He has been a member of the examining committee for 58 doctoral theses.
- Regular reviewer for over twenty indexed scientific journals.
- ANEP (National Agency for Evaluation and Prospective Analysis) evaluator since 1998.
- He has taken part in 14 oceanographic campaigns.
- He has given over 90 lectures in various Spanish and foreign cities.
- He was part of the Scientific Committee for the development of the "List of Wild Species under Special Protection Regime and the National Catalog of Threatened Species" of the current Ministry for Ecological Transition (BOE, July 2011).
- Hired by the Muséum National d'Histoire Naturelle in Paris for the development of the Santo/2006 project (Global Biodiversity Survey), carried out in the Vanuatu Islands (August-October 2004).
- President of the Spanish Malacology Society (2005-2010).
- Hired by the Muséum National d'Histoire Naturelle in Paris for the development of the PANGLAO/2004 campaign, conducted in the Philippines (May-July 2004).
- Vice Director of Research (1997-2000) and Head of the Department of Biodiversity and Evolutionary Biology (2002-2006) at the National Museum of Natural Sciences (CSIC).
- He was part of the "Researchers' Working Group" for the drafting of the "Spanish Strategy for the Conservation and Sustainable Use of Biological Diversity" (1997).
- Designated as the Spanish representative at the meeting: "Endangered Mediterranean and Coastal Species" (Montpellier, November 1995), organized by the Council of Europe, for the development of the Annexes to the Convention for the Protection of the Mediterranean (Barcelona Convention).
- Hired by the Regional Activity Centre for Specially Protected Areas (RAC/SPA) as an Expert Consultant for the Extraordinary Meeting for the signing of the Annexes to the Protocol "Specially Protected Areas and Biological Diversity" (within the Convention for the Protection of the Mediterranean, Barcelona Convention) (Monaco, November 23-24, 1996).