



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	SERGI		
Family name	SABATER		
Gender (*)		Birth date (dd/mm/yyyy)	
Social Security, Passport, ID number			
e-mail	URL Web		
Open Researcher and Contributor ID (ORCID) (*)	0000-0003-3730-0261		

(*) *Mandatory*

A.1. Current position

Position	PROFESSOR (CATEDRATICO DE UNIVERSIDAD)		
Initial date	March 2003		
Institution	UNIVERSITAT DE GIRONA		
Department/Center	INSTITUT D'ECOLOGIA AQUATICA		
Country	SPAIN	Teleph. number	
Key words	River; water scarcity; ecosystem; global change; Pollution; biofilms		

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

Period	Position/Institution/Country/Interruption cause
01/1989 – 12/1991	AYUDANTE LRU UB
12/1991 – 6/1992	PROFESOR TITULAR (interino) UB
6/1992 – 9/2001	PROFESOR TITULAR UB
9/2001- 3/2003	PROFESOR TITULAR (comisión de servicios) UdG

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD BIOLOGY	U Barcelona	1987

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

Permanent lecturer at the University of Barcelona's Department of Ecology from 1991 to 2001, and Full Professor of Ecology at the University of Girona (UdG) since 2003. Senior researcher at the Catalan Institute for Water Research (ICRA) since 2008- where my research is affiliated through agreement between UdG and ICRA. My research is focused on the ecology of fluvial ecosystems, especially on the ecology of river algae and biofilms, the ecotoxicology of biofilms, the metabolism and functioning of fluvial systems, and the effects of global change on fluvial systems. Within these, I am particularly interested in the effects of water scarcity and co-occurring multiple stressors. I have co-edited several books and published more than 300 peer-reviewed papers on ecology and environmental sciences in international scientific journals, and more than 100 other contributions. I have taken part in more than 30 research projects both national and international, as well as 14 international and 31 national research projects, 36 RDi contracts with companies and government departments. To date, I have

supervised 20 post-doc researchers and 26 Ph.D. theses, and I am involved in the supervision or co-supervision of other two.

Associate Editor of the Total Environment (2018-present), Associate Editor of Freshwater Science (specialty section of Frontiers in Environmental Science; 2015- 2022), Editorial Board Member of Scientific Reports (May 2019-May 2022), Member of the Editorial Boards of Acta Biológica Colombiana (Colombia; 2014-present); and Biología Acuática (Argentina; 2015-present).

Duties as reviewer for funding agencies have included CICYT (España), CYTED (España), FONCYT (Argentina), COLCIENCIAS (Colombia), Delft Cluster-NWO Council Earth- Life Sciences ALW (Holanda), Grant Agency of the Czech Republic, ANR (Francia), Austrian Academy of Sciences (Austria), The Royal Society (Reino Unido), Marie Curie Fellowship (European Commission). Also involved as member of committee and president of the CE34 of the ANR (France, 2021-2024). I performed as member in several panels for the AERES, UMR CNRS-Université de Lyon I, ETH, Switzerland; EFPA Division, INRA, Paris, France; Academy Council of the Czech Academy of Sciences, Czech Republic; MINECO Plan Nacional Projects. Madrid. Member of the Scientific Advisory Board of Wasser Cluster Lunz, Austria.

Member (2014- 2019) of the “Life Sciences” panel for the qualification of university professorships. Agència de Qualitat Universitària (AQU). Barcelona, Spain. Member of the “sexenios” panel ANECA Campo 5 (Ciencias de la Naturaleza) (2024-2026).

Part C. RELEVANT MERITS

C.1. Publications (including books)

Papers (selection last 10y)

-Sabater, S.; Barceló, D.; De Castro-Català, N.; Ginebreda, A... Muñoz, I.. 2016. Shared effects of organic microcontaminants and environmental stressors on biofilms and invertebrates in impaired rivers. Environmental Pollution 210: 303-314.

-Ruhí A., I. Muñoz, ...F. Francés & S. Sabater. 2016. Omnivory mechanisms mediate food chain length responses to environmental variation in a Mediterranean river network. Freshwater Biology 61, 1536–1549

- Mor, J-R; Ruhí, A., Tornés, E., Valcárcel, H., Muñoz, I., Sabater, S. Changes in food-web structure in response to river regulation. 2018. Science of the Total Environment 625: 301-310

- Sabater, S., F Bregoli, V Acuña, ... V. Ferreira. 2018. Effects of human-driven water stress on river ecosystems: a meta-analysis. Scientific Reports 8:11462

-Romero, F., Acuña V., and Sabater S. 2020. Multiple stressors determine community structure and estimated function of river biofilm bacteria. Applied and Environmental Microbiology DOI: 10.1128/AEM.00291-20

- Colls, M., Acuña, V., Sabater, S. 2021. Biofilm pigments in temporary streams indicate duration and severity of drying. Limnology and Oceanography DOI: 10.1002/lno.11881

- Mor, J.R., I. Muñoz, S. Sabater, L. Zamora & A. Ruhí. 2021. Energy limitation or sensitive predators? Trophic and non-trophic impacts of wastewater pollution on stream food webs. Ecology e03587. doi:10.1002/ecy.3587

- Sabater, S., A. Freixa, L. Jiménez, J. López-Doval, G. Pace, C. Pascoal, N. Perujo, D. Craven, and J. D. González-Trujillo. 2023. Extreme weather events threaten biodiversity and functions of river ecosystems: evidence from a meta-analysis. Biological Reviews 98:450-461.

- Sepp, M.; González-Trujillo, J. D.; Marcé, R.; Sabater, S. 2024. Synthesis reveals heterogeneous changes in the metabolism and emission of greenhouse gases of drying rivers. Env. Res. Letters 19,113002

-Arias-Real, R., Delgado-Baquerizo, M., Sabater, S., Gutiérrez-Cánovas, C., Valencia, E., Aragón, G., Cantón, Y., Datry, T., Giordani, P., Medina, N.G., de los Ríos, A., Romaní, A.M., Weber, B., Hurtado, P., 2024. Unfolding the dynamics of ecosystems undergoing alternating wet-dry transitional states. Ecology letters 27, e14488

-Sabater S., J. Barquín, J. Blasco, A. Elosegi, C. García, A. Ginebreda, C.M. Gómez, I. Muñoz, A. Rico, J. Rovira, R.J. Batalla. 2025. Water scarcity challenges water security: A case for Spain's freshwater ecosystems. Environ. Res. Lett. 20: 091008. DOI: 10.1088/1748-9326/adfbfc

- Sepp, M., M. Abbasi, P. Döll, A. Freixa, R. Marcé, S. Sabater. 2025. Impacts of climate change on the dilution capacity of perennial and non-perennial European rivers. Water Research 287: 124499. DOI:10.1016/j.watres.2025.124499

Books and Special Issues

Water Scarcity in the Mediterranean: Perspectives Under Global Change, 2010 Springer-Verlag Berlin, S.Sabater, D. Barceló (eds);

Global Change and River Ecosystems – Implications for Structure, Function and Ecosystem Services, RJ Stevenson, S Sabater (eds);

River Conservation, Challenges and Opportunities (2013), S.Sabater, A. Elosegi (eds);

Emerging Contaminants in River Ecosystems, (2016), Springer. M. Petrovic, D. Barceló, S. Sabater, A. Elosegi (eds)

Multiple stress in river ecosystems. Status, impacts and prospects for the future, Elsevier, 2019. S. Sabater, A. Elosegi, R. Ludwig (eds).

Edited special issues in SCI Journals:

-*Water Quality and Assessment under Scarcity. Prospects and challenges in Mediterranean watersheds* (2010), Journal of Hydrology 383, S.Sabater and D. Barceló (eds)

-*Global Change and River Ecosystems- Implications for structure, function and ecosystem services* (2010), in Hydrobiologia 657, R. J. Stevenson and S.Sabater (eds);

-*Recent Perspectives on Temporary River Ecology* (2011), Aquatic Sciences 73. Th. Datry, D. B. Arscott, S. Sabater (eds);

-*Understanding effects of global change on water quantity and quality in river basins* (2012), Environmental Science and Pollution Research 19. A. Navarro, S. Sabater, D. Barceló (eds).;

-*New developments and applications in the use of algae for monitoring rivers*, Science of the Total Environment (2014). P. Mateo, F. Fernández-Piñas, S, Sabater and E. Perona (eds)

-*Intercalibration of ecological quality in European Mediterranean rivers*, in Science of the Total Environment (2014).T. Ferreira and S. Sabater (eds.)

-*Multiple stress in river ecosystems*. VSI. Science of the Total Environment. (2020). Sergi Sabater, Ralf Ludwig, Ralf Schäffer, Arturo Elosegi.

C.2. Congress, indicating the modality of their participation (invited conference, oral presentation, poster)

2016. Sergi Sabater. "Multiple stressors and complex responses in river ecosystems". Invited conference at the VII Congreso Argentino de Limnología. San Miguel de Tucumán, Argentina.

2017. Sergi Sabater. "Efectos del cambio global sobre los ecosistemas fluviales. Elementos, implicaciones y desafíos". Inaugural conference at the 14th Congress of the Chilean Society of Limnology. Puerto Montt, Chile.

2022. Sergi Sabater. Plenary speaker at the AIL conference Aveiro. "Doing Science in Ecology. Does river flow show a path?". Aveiro. Portugal.

2024. Sergi Sabater. Water Scarcity and Extreme Climatic Events: Implications for Chemical Impacts on Freshwater Ecosystems. Keynote lecture at the 34th Annual Meeting SETAC Europe, Sevilla, Spain.

C3. Research projects, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

Managing the effects of multiple stressors on aquatic ecosystems under water scarcity (GLOBAQUA)- FP7-ENV-2013-603629. PI: Sergi Sabater, ICRA. European Commission, VII Program Framework; 2014-2018. Total allocated 650,000 euros.

City runoff pollution impacts on river biodiversity under extreme climatic events (CityPoll). I. Chemical evaluation and ecological and ecotoxicological biofilm responses. TED2021-129966B-C31. 1/12/2022 – 1/9/2025. PI: Sergi Sabater. Ministerio de Ciencia e Innovación. Total allocated 230,000 euros.

DRYVER - Securing biodiversity, functional integrity and ecosystem services in DRYing rivER networks. H2020-grant agreement 869226-2 ; 2020-2024 (48 months).PI: Sergi Sabater (ICRA). Project coordinator: T Datry (IRSTEA). Total allocated 136,541 euros.

RIVSTRESS- Multiple stressors impacting rivers: biodiversity and ecosystem function responses PI: Sergi Sabater, Vicenç Acuña (co-PI). Ministerio de Ciencia e Innovación- Spain (PID2020-115708RB-C22) 1/1/2022 – 31/12/2024. Total allocated 151,315 euros.

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.

2014-2016. *Sostenibilidad de recursos hídricos bajo el cambio global-HIDSOS (2ª y 3ª fase)* PI: Sergi Sabater, ICRA. Funding: ENDESA. 130,600 €.

2016-2019. *Clorofilas como indicador biológico en la cuenca del Ebro. Convenio Específico de colaboración UdG-CHE.* PI: Sergi Sabater, UDG. Funding: Confederación Hidrográfica del Ebro. 250,000 €.

2019-2021. *Monitoreo del impacto agudo de la adición de antifúngicos en el control de la banda en Pinus radiata sobre los ecosistemas fluviales.* NEIKER, PEC-19-03447. PI Sergi Sabater. Total contract: 84,000€.