Date of the CVA	02-03-2021

Section A. PERSONAL DATA

Name and Surname	JUAN RUBIO RÍOS		
DNI	75720710H	Edad	28
Researcher's identification number	Researcher ID	K-2713-2017	
	Scopus ID	57197872855	
	ORCID	0000-0002-5335-1766	
Personal web page	https://rubioriosj.github.io/		

A.1. Current professional situation

Institution	Dpt. Biology and Geology, University of Almeria			
Phone	610926015	Email	jrr812@ual.es	
Professional category	Researcher/Temporal Lecturer		Start date	02/03/2023

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
Bachelor in Environmental Sciences	University of Almeria	2014
Master's in industrial and Agri-food Biotechnology	University of Almeria	2015
Ph.D. Degree in Biotechnology	University of Almeria	Feb. 2023

Prize for the best academic record in the Bachelor in Environmental Sciences [Promotion 2014].

Other courses:

1. **Title of the course:** Stable isotopes in Ecology and Environment: a tool to integrate scales and complexity.
   City of event: Lisbon, Portugal
   Date of event: 04/11/2019 - 09/11/2019
   Organizing entity: Centre for ecology, evolution and environmental changes (CE3C) and Faculty of Sciences of the University of Lisbon
2. **Title of the course:** Introducción a la ciencia de datos, reglas de asociación. Regresión, árboles y random forest.
   City of event: Almería, Spain
   Date of event: 18/01/2021 – 22/01/2021
   Organizing entity: Escuela andaluza de salud pública y Universidad de Almería
3. **Title of the course:** Stable Isotope Mixing Models using SIBER, SIAR, MixSIAR (SIMM07)
   City of event: Online
   Date of event: 19/04/2021 – 22/04/2021
   Organizing entity: PR statistics
4. **Title of the course:** Cambio climático, de la ciencia a la acción.
   City of event: Online
   Date of event: 06/09/2021 – 10/09/2021
   Organizing entity: Universidad Internacional Menéndez Pelayo

Section B. SUMMARY OF THE CURRICULUM

- 14 articles in JCR journals: 9 Q1, 3 Q2, 2 Q3.
- h-index: 5 (WoS), 7 (Google Scholar).
- Total citations (Google Scholar): 129.
- Participation in research projects: 3 international, 2 national.
- Teaching experience: 274 hours.
- 3 Final Degree Thesis supervised.
- Member of The Iberian River Observatory (IberRios) and GloBE network.

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

1. Colls M, et al. 2023. Impacts of diffuse urban stressors on stream benthic communities and ecosystem functioning: A review. *Limnetica*. doi.org/10.23818/limn.43.07 **Q3**

2. **Rubio-Ríos J**, Pérez J, Salinas-Bonillo MJ, Fenoy E, Boyero L, Casas JJ. 2023. Alder stands promote N-cycling but not leaf litter mass loss in Mediterranean streams flowing through pine plantations. *Forest Ecology and Management*. doi.org/10.1016/j.foreco.2023.121072 **Q1**
3. Angeler D, Heino J, **Rubio-Ríos J**, Casas JJ. 2023. Connecting distinct realms along multiple dimensions: a meta-ecosystem resilience perspective. *Science of the Total Environment.* doi.org/10.1016/j.scitotenv.2023.164169 **Q1**
4. **Rubio-Ríos J**, Pérez J, Salinas-Bonillo MJ, Fenoy E, Casas JJ. 2023. Cross-species coprophagy in small stream detritivores counteracts low-quality litter: native vs. invasive plant litter. *Aquatic Sciences*. doi.org/10.1007/s00027-022-00905-z **Q2**
5. **Rubio-Ríos J**, Pérez J, Salinas MJ, Fenoy E, Boyero L, Casas JJ. 2022. Climate-induced plasticity in leaf traits of riparian plants. *Diversity and Distributions.* doi.org/10.1111/ddi.13493 **Q1**
6. Fenoy E, Pradhan A, Pascoal C, **Rubio-Ríos J,** Batista D, Moyano-López FJ, Cássio F, Casas JJ. 2022. Elevated temperature may reduce functional but not taxonomic diversity of fungal assemblages on decomposing leaf litter in streams. *Global Change Biology*. doi.org/10.1111/gcb.15931 **Q1**
7. **Rubio-Ríos J**, Pérez J, Salinas MJ, Fenoy E, López-Rojo N, Boyero L, Casas JJ. 2021. Key plant species and detritivores drive diversity effects on instream leaf litter decomposition more than functional diversity: A microcosm study. *Science of the Total Environment.* doi.org/10.1016/j.scitotenv.2021.149266 **Q1**
8. Boyero L, et al. 2021. Impacts of detritivore diversity loss on instream decomposition are greatest in the tropics. *Nature Communications*, 2:3700. doi.org/10.1038/s41467-021-23930-2 **Q1**
9. Boyero L, et al. 2021. Latitude dictates plant diversity effects on instream decomposition. *Sciences Advances*, 7(13). doi.org/10.1126/sciadv.abe7860 **Q1**
10. Fenoy E, **Rubio-Ríos J**, González JM, Salinas MJ, Moyano FJ, Casas JJ. 2021. Strategies of shredders when feeding on low-quality leaf-litter: local population adaptations or fixed species traits? *Limnology and Oceanography*. doi.org/10.1002/lno.11745 **Q1**
11. López-Rojo N, Pérez J, Basaguren A, Pozo J, **Rubio-Ríos J**, Casas JJ, Boyero L. 2020. Effects of two measures of riparian plant biodiversity on litter decomposition and associated processes in stream microcosms. *Scientific Reports*, 10(1), 1-10. doi.org/10.1038/s41598-020-76656-4 **Q1**
12. Salinas MJ, Casas, JJ, **Rubio-Ríos J**, López-Carrique E, Ramos-Miras JJ, Gil C. 2018. Climate-driven changes of riparian plant functional types in permanent headwater streams. Implications for stream food webs. *PLoS ONE*, 13(6). doi.org/10.1371/journal.pone.0199898 **Q2**
13. **Rubio-Ríos J**, E Fenoy, JJ Casas, Moyano FJ. 2017. Modelling hydrolysis of leaf litter by digestive enzymes of the snail *Melanopsis praemorsa*: Combination of response surface methodology and in vitro assays. *Marine and Freshwater Behaviour and Physiology*, 50: 313-328. doi.org/10.1080/10236244.2017.1404429 **Q3**
14. Fenoy E, JJ Casas, M Díaz-López, **Rubio J**, Guil-Guerrero JL, FJ Moyano-López. 2016. Temperature and substrate chemistry as major drivers of interregional variability of leaf microbial decomposition and cellulolytic activity in headwater streams. *FEMS Microbiology Ecology*, 92(11). doi.org/10.1093/femsec/fiw169 **Q2**

C.2. Works submitted to national or international conferences

10 communications in national and 18 in international conferences.

C.3. Participation in R&D and Innovation projects

1. **Name of the project:** Soluciones basadas en la naturaleza para la gestión resiliente del ciclo hidrológico en zonas de montaña: los sistemas tradicionales de gestión del agua de Sierra Nevada (NbS4Water)
   Name principal investigator (PIs): Javier Cabello Piñar
   Funding entity or bodies: Organismo Autónomo de Parques Nacionales
   Total amount: 3000 €

2. **Name of the project:** Combined effects of invasive plant species and other stressors in streams ecosystems through riverbank-stream interactions (INVASORIAN)
   Name principal investigator (PIs): Juan Rubio-Ríos, Naiara López-Rojo, Alberto Alonso, Encarnación Fenoy
   Funding entity or bodies: Sociedad Ibérica de Ecología (SIBECOL)
   Total amount: 3000 €
3. **Name of the project:** EUROPONDS
   Name principal investigator (PIs): Biljana Rimcheska & Lena Fehlinger
   Funding entity or bodies: European Federation for Freshwater Sciences (EFFS)
   Total amount: 8.300 €
4. **Name of the project:** Urbanization effects on the relationship between microbial biodiversity and ecosystem functioning (URBIFUN)
   Name principal investigator (PIs): Miriam Colls & Ferrán Romero
   Funding entity or bodies: Iberian Association of Limnology (AIL)
   Total amount: 4.000 €
5. **Name of the project:** Efectos de los cambios en la diversidad e identidad de especies vegetales sobre ríos de cabecera mediterráneos: una aproximación desde los ácidos grasos y carotenoides como trazadores (RIOVEGEST)
   Name principal investigator (PIs): J. Jesús Casas Jiménez
   Funding entity or bodies: Fondo Europeo de Desarrollo Regional (FEDER), Junta de Andalucia
   Total amount: 43.900 €
6. **Name of the project:** Respuestas a la aridez del nexo trófico vegetación de ribera-comunidad fluvial en ríos de cabecera (RIBARID) CGL2012-39635
   Name principal investigator (PIs): J. Jesús Casas Jiménez
   Funding entity or bodies: Ministerio de Economía y Competitividad/FEDER
   Total amount: 75.000 €

C.4. Participation in R&D and Innovation contracts

1. Collaboration fellowship at the Dpt. of Biology and Geology (University of Almeria)
   School year: 2013/2014 **Duration:** 8 months
2. Research Technician
   Employing entity: University de Almería **Start-End date:** 01/06/2017 - 31/05/2018
3. PREDOCTORAL CONTRACT (FPU)
   Employing entity University de Almeria **Start-End date:** 16/07/2018 – 15/12/2022
4. RESEARCHER
   Employing entity University de Almeria **Start-End date:** 16/03/2023 – At present

C.5. Teaching experience

GENERAL TEACHING EXPERIENCE

1. **Bachelor in Environmental Sciences (Programme 2009)**
   Name of the course: Ecology (6 ECTS)
   Type: Obligatory **School year:** 2018/19 – 2019/2020
   Entity: Faculty of Experimental Sciences of the University of Almeria
2. **Bachelor in Environmental Sciences (Programme 2018)**
   Name of the course: Ecology (6 ECTS)
   Type: Basic **School year:** 2020/21 – 2021/2022
   Entity: Faculty of Experimental Sciences of the University of Almeria
3. **Bachelor in Environmental Sciences (Programme 2018)**
   Name of the course: Limnology and Marine Ecology (6 ECTS)
   Type: Obligatory **School year:** 2020/21 – 2022/23
   Entity: Faculty of Experimental Sciences of the University of Almeria
4. **Bachelor in Environmental Sciences (Programme 2018)**
   Name of the course: Conservation and Management of Natural Spaces (6 ECTS)
   Type: Obligatory **School year:** 2020/21

Entity: Faculty of Experimental Sciences of the University of Almeria

5. **Bachelor in Environmental Sciences (Programme 2018)**
   Name of the course: Field Techniques and Data analysis (6 ECTS)
   Type: Obligatory **School year:** 2021/22
   Entity: Faculty of Experimental Sciences of the University of Almeria

DIRECTION OF FINAL DEGREE PROJECTS

1. **Title of the work:** Assessing of litter decomposition in headwater streams: a keystone species can reduce plantations impacts
   Degree: Degree in Environmental Sciences
   Name of the student: Francisco Manuel Capel López
   Date of defence: June 2021
   Entity: Faculty of Experimental Sciences of the University of Almeria

2. **Title of the work:** Assessing the effects from the interaction between invasive plant species and plantations on the recycling of organic matter in riparian areas of Sierra Nevada
   Degree: Degree in Environmental Sciences
   Name of the student: Juan José Martínez López
   Date of defence: July 2022
   Entity: Faculty of Experimental Sciences of the University of Almeria

3. **Title of the work:** Changes in water use efficiency of riparian vegetation over an aridity gradient
   Degree: Degree in Environmental Sciences
   Name of the student: Gabriel Sánchez Durán
   Date of defence: July 2022
   Entity: Faculty of Experimental Sciences of the University of Almeria

PARTICIPATION IN INNOVATIVE TEACHING CONFERENCES

Name of the event: Jornadas de Innovación Docente y Experiencias Profesionales de la Universidad de Almería, curso 2019-2020
Type of event: Workshop
City of event: Almeria, Andalusia, Spain
Date of presentation: 19/09/2019
Organising entity: University of Almeria
Publication title: Aprendizaje-basado-en-problemas. Un intento de reducir la tasa de abandono en el grado de Ciencias Ambientales.

OTHER
Course: Training course for laboratory technicians of the Biology and Geology Department of the University of Almeria. **Module**: Ecology. **Duration**: 3 hours.

C.6. Stays in public or private R&D centres

1. Entity: University of the Basque Country
City of entity: Leioa, Bilbao, Basque Country, Spain
Start-End date: 25/02/2019 - 08/03/2019
Duration: 12 days
Goals of the stay: Development of collaborative experiments.

2. Entity: Netherlands National Institute of Ecology (NIOO-KNAW)
City of entity: Wageningen, The Netherlands
Start-End date: 16/07/2022 - 18/11/2022
Duration: 4 months
Goals of the stay: Development of a decomposition experiment at the Limnotrons facilities.

C.7. Prizes and awards

1. Prize for the best academic record of the Faculty of Experimental Sciences [Promotion 2014] in the Bachelor in Environmental Sciences.

2. Award for the best JCR publication in the number 1 journal of its category of the 2022 Research and Transference Plan of the University of Almeria.
3. Best poster communication (IX Simposio de De Investigación En Ciencias Experimentales, Almería 2020).
4. Best oral and poster communication (VIII Simposio de De Investigación En Ciencias Experimentales, Almería 2019).
5. Third prize for a poster communication presented in the AIL congress (Tortosa, 2016)
6. Best oral and poster communication (III Simposio de De Investigación En Ciencias Experimentales, Almería 2014).

C.10. Other

Member of **The Iberian River Observatory (IberRios)**: a collaborative project to explore global change impacts on Iberian river biodiversity and ecosystem functions.

Member of the **GLoBE Network:** an international network of freshwater ecologists, which main aim is to study the patterns and drivers of stream ecosystem functioning at the global scale.