Date of the CVA	19/07/2015

Section A. PERSONAL DATA

Name and Surname	Julián Blasco Moreno		
DNI	31217611X	Age	56
Researcher's identification number	Researcher ID	A-5319-2008	
	Código Orcid	0000-0002-9750-383X	

A1. Current professional situation

Institution	CSIC			
Dpt. / Centre	Ecología y Gestión Costera / Instituto de Ciencias Marinas de Andalucía			
Address	Instituto Ciencias Marinas de Andalucia (CSIC). Dpt. Ecology and Coastal Management, Campus Rio San Pedro, 11510, Puerto Real			
Phone	(34) 628916661	Email	julian.blasco@csic.es	
Professional category	Investigador Científico		Start date	2004
UNESCO spec. code	251010 - Shore and near-shore processes			
Keywords	Nanoparticles; Coastal pollution; Estuary; Risk assessment; Ecotoxicology; Global change; Metal pollution			

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

Bachelor/Master/PhD	University	Year
Programa Oficial de Doctorado en Ciencias Químicas	Universidad de Sevilla	1985
Licenciado con Grado Ciencias Químicas	Universidad de Cádiz	1981
Licenciado Ciencias Químicas	Universidad de Cádiz	1980

A.3. General indicators of the quality of scientific production

Sexenios de Investigación, **4**, últ concedido, 2012
Tesis Doctorales dirigidas en los últ. 10 años, 8
Citas (2010-2014) : 1532 Fuente Scopus
Promedio de citas/año durante los últimos 5 años, 306 (2010-2014) Fuente: Scopus
Publicaciones 52 (2010-2014). En Q1 en el mismo periodo: 34 Fuente: JCR
Presencia en Essential Science Indicators (Environment/Ecology) Fuente: ISI Web of Knowledge
Indice h. **27** Fuente: SCOPUS

Section B. SUMMARY OF THE CURRICULUM

He has been involved in 60 research projects and 22 contracts with different companies. He has been the main researcher of 29 projects and 13 contracts. He is responsible for the research group “Ecotoxicology Ecophysiology and Biodiversity of Aquatic Systems” (PAIDI, RNM306 and CSIC groups), a team composed of 7 researchers from ICMAN-CSIC staff. Currently, he is the Director of the "Institute of Marine Sciences of Andalusia" (2015-) and was Deputy Director (1994-1998), head of the Department of Oceanography (1998-2007), head of the Department of Ecology and Coastal Management (2007-2011) and the group leader of the Associate Unit “Interdisciplinary Oceanography” between the University of Cádiz and the CSIC (2004-2011). He was Associate Professor of the University of Cadiz in the Physical-Chemistry Department (1994-1998). Currently he is responsible for a research line of the Erasmus Mundus Ph. D. Programme MACOMA, a lecturer in several Master programs with mentions of excellence (e.g. Erasmus Mundus, WACOMA and Oceanography) and a member of the editorial boards of the international journals Environment International, Environmental Toxicology and Chemistry and Marine Environmental Research. All of them Q1, according to the JCR (ISI Web of Knowledge).

He has published over 145 SCI articles and 15 book chapters. He has been a supervisor of 10 Ph. D. theses and more than 20 Master theses and is currently supervising 5 Ph. D. theses. He has presented more than 250 communications at international congresses and has been included in the Essential Science Indicators (Environment/Ecology) of the ISI Web of Knowledge.
The scientific objectives, during his career, have been focused on the behaviour and distribution of legacy and emergent pollutants and their ecotoxicological effects. He has developed and applied novel bioassays and tools to assess the environmental risks associated with pollutants. Over the last years, he has focused on the study of emergent pollutants (pharmaceuticals and nanoparticles), due the current lack of knowledge, in order to improve the environmental risk assessment of these substances in aquatic ecosystems. The next steps of his research are focusing on the impact of contaminant mixtures (legacy and emergent), reflecting global changes scenarios. The objective is to develop new tools based on a depth scientific knowledge. For that, fate and behaviour of pollutants will be studied and the use of -omics techniques will be employed, in a general frame of ecotoxicogenomic approach. Our focal point is the use of an holistic approach for developing validated tools, based on sound scientific knowledge and usefulness for assessing the risk for aquatic ecosystems, in order to provide support of EU legislation (Water Framework Directive and Marine Directive Strategy).

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

1 **Scientific paper**. Neus Roig; et al. 2015. "Assessment of sediment ecotoxicological status as a complementary tool for the evaluation of surface water quality: The Ebro river basin case study.". Science of the Total Environment. Elsevier. 503-504, pp.269-278.
2 **Scientific paper**. Enrique González Ortegón; et al. 2015. Effects of food limitation and pharmaceutical compounds on the larval development and morphology of Palaemon serratus. Science of the Total Environment. Elsevier. 503-504, pp.171-178.
3 **Scientific paper**. Olivia Campana; et al. 2015. Importance of Subcellular Metal Partitioning and Kinetics to Predicting Sublethal Effects of Copper in Two Deposit-Feeding Organisms. Environmental Science and Technology. ACS. 49 - 3, pp.1806-1814.
4 **Scientific paper**. Neus Roig; et al. 2014. Assessment of sediment ecotoxicological status as a complementary tool for the evaluation of surface water quality: the Ebro river basin case study. Science of the Total Environment. Elsevier. pp.DOI: 10.1016/j.scitotenv.2014.06.125.
5 **Scientific paper**. Amanda Gago Tinoco; et al. 2014. Metabolic signatures associated with environmental pollution by metals in Doñana National Park using P. clarkii as bioindicator. Environmental Science Pollution Research. pp.DOI 10.1007/s11356-014-2741-y.
6 **Scientific paper**. Araceli Rodriguez Romero; et al. 2014. Predicting the Impacts of CO2 Leakage from Subseabed Storage: Effects of Metal Accumulation and Toxicity on the Model Benthic Organism Ruditapes philippinarum. Environmental Science Technology. American Chemical Society. pp.doi.org/10.1021/es501939c.
7 **Scientific paper**. Araceli Rodriguez Romero; et al. 2014. Simulation of CO2 leakages during injection and storage in sub- seabed geological formations: Metal mobilization and biota effects. Environment International. Elsevier. 68, pp.105-117.
8 **Scientific paper**. Enrique Gonzalez-Ortegón; et al. 2013. A multiple stressor approach to study the toxicity and sub-lethal effects of pharmaceutical compounds on the larval development of a marine invertebrate. Journal of Hazardous Materials. Elsevier. pp.http://dx.doi.org/10.1016/j.jhazmat.2013.09.041.
9 **Scientific paper**. Elena Nieto; et al. 2013. Is Atyaephyra desmarestii a useful candidate for lethal and sub-lethal toxicity tests on pharmaceutical compounds?. Journal of Hazardous Materials. Elsevier. http://dx.doi.org/10.
10 **Scientific paper**. Antonio Tovar-Sanchez; et al. 2013. Sunscreen products as emerging pollutants to coastal waters. PLOS One. 8 - 6, pp.e65451.

C.2. Participation in R&D and Innovation projects

1 Nanopartículas metálicas (Cu, Zn, Ce y Ti): biodisponibilidad, bioacumulación transferencia trófica, ecotoxicidad y riesgo asociado en organismos marinos y estuáricos RNM7812.. Proyecto Excelencia Junta Andalucia. Julian Blasco Moreno. 04/02/2013-03/02/2017. 218.528,18 €.
2 Evaluación de los efectos de los contaminantes convencionales y emergentes en ecoistemas acuáticos. Ensayos de exposición controlada y validación en ecosistemas estuáricos CTM2012-38720-C03-03. Plan Nacional de Investigación Científica, Desarrollo e Innovación Tecnológica 2008-2011. Julian Blasco Moreno. 01/02/2013-30/01/2016.
3 Environmental risk assessment of four pharmaceuticals compounds employing genomics tools and seabream Sparus aurata. FP-7; Marie Curie Actions. European Reintegration Grants. Julian Blasco (scientist in charge). 01/01/2009-2012.
4 0432_I2TEP_5_E, Investigación y Transferencia Transfronteriza España Portugal (I2TEP) subproyecto EMECORISK. POCTEP. JULIAN BLASCO MORENO. From 01/01/2011.
5 CSD2009-00065, Assessing and predicting effects of water quantity and quality in Iberian River basins caused by global change. Consolider-Ingenio. Barceló, Damià. From 01/04/2010. 4.715.722 €.
6 P09-FQM-4554, Nanopartículas funcionalizadas par aplicaciones de hipertermia y evaluación de su ecotoxicidad. Proyectos Excelencia Junta Andalucia. ASUNCION FERNANDEZ CAMACHO. From 29/12/2009. 315.347,36 €.
7 CTM2009-10563/MAR, Estudio de biomarcadores de toxicidad en microalgas marinas como herramienta para la detección precoz de procesos de contaminación. IGNACIO MORENO GARRIDO. From 01/01/2009. 197.635 €.

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

1 Desarrollo y aplicación de índices biológicos de calidad de aguas de transición y costeras de la Comunidad Autónoma de Andalucía en aplicación de la Directiva 2000/60/CE para el indicador macrofauna bentónica. Egmasa. Julián Blasco. 2009-01/01/2011.
2 Evaluación de los niveles de metales en especies del estuario del Guadalquivir. Cobre Las Cruces. Julián Blasco. From 2009.
3 Desarrollo metodológico para el establecimiento del indicador de invertebrados bentónicos en aguas costeras y de transición de Andalucía. Consejería de Medio Ambiente (Junta de Andalucía). Julián Blasco. 2008-P1Y.
4 Programa de Evaluación de la Situación Ambiental del Guadalquivir en la zona de afectación del vertido de la Mina Las Cruces, previamente a la puesta en marcha de la actividad minera. Cobre Las Cruces. Julián Blasco. 2008-P1Y.
5 Estudio para diagnosticar y pronosticar las consecuencias de las acciones humanas en el estuario del Guadalquivir. Autoridad Portuaria de Sevilla. Javier Ruiz. 2007-P2Y.
6 Evaluación de la toxicidad de tensioactivos asociados a sedimentos marinos mediante el empleo organismos de elevada relevancia ecológica (microfitobentos). Petroquímica Española, S.A.. Julian Blasco. (Consejo Superior de Investigaciones Científicas). 2007-P2Y. 24.500 €.