

CV Date	22/09/2021
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Part A. PERSONAL INFORMATION

First Name *	Octavio		
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Researcher's identification number	Open Researcher and Contributor ID (ORCID)*	0000-0002-4153-3028	
	Researcher ID	H-3045-2019	
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* Mandatory

A.1. Current position

Job Title	Catedrático de Universidad		
Starting date	2016		
Institution	Universidad de las Palmas de Gran Canaria		
Department / Centre	Departamento de Ciencias Clínicas - Unidad de Toxicología / Facultad de Veterinaria		
Country	Spain	Phone Number	
Keywords	Gas chromatography (fid, ecd, ms, etc); Liquid chromatography (uv, luminiscence, ms, electrochemical, etc); Toxicology		

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications.

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 Scientific paper.** Andrea Acosta Dacal; Cristian Rial Berriel; Ricardo Díaz Díaz; María del Mar Bernal Suárez; Manuel Zumbado; Luis Alberto Henríquez Hernández; (AC). (7/7). 2021. An easy procedure to quantify anticoagulant rodenticides and pharmaceutical active compounds in soils Toxics. MDPI. ISSN 2305-6304.
- 2 Scientific paper.** Katrin Vorkamp; Argelia Castaño; Jean Philippe Antignac; et al; (AC);. (11/16). 2021. Biomarkers, matrices and analytical methods targeting human exposure to chemicals selected for a European human biomonitoring initiative Environment International. Elsevier. 146, pp.106082. ISSN 0160-4120.
- 3 Scientific paper.** Pablo Sánchez Virosta; José Manuel Zamora Marin; Mario León Ortega; et al; (AC);. (10/13). 2021. Blood toxic elements and effects on plasma vitamins and carotenoids in two wild bird species: Turdus merula and Columba livia Toxics. MDPI. ISSN 2305-6304.
- 4 Scientific paper.** Parvaneh Hajeb; Argelia Castaño; Enrique Cequier; et al;. 2021. Critical review of analytical methods for the determination of flame retardants in human matrices Analytica Chimica Acta. Elsevier. ISSN 0003-2670.
- 5 Scientific paper.** Luis Alberto Henríquez Hernández; Adriana Ortiz Andrellucchi; Jacqueline Álvarez Pérez; et al; ;. (9/9). 2021. Human biomonitoring of persistent organic pollutants in elderly people from the Canary Islands (Spain): a temporal trend analysis from the PREDIMED and PREDIMED-Plus cohorts Science of the Total Environment. Elsevier. 758, pp.143637. ISSN 0048-9697.

- 6 **Scientific paper.** Maribel Escobedo Mondragón; (AC); Manuel Zumbado; et al;. (2/10). 2021. Incidence of 49 elements in the blood and scute tissues of nesting hawksbill turtles (*Eretmochelys imbricata*) in Holbox Island Regional Studies in Marine Science. Elsevier. ISSN 2352-4855.
- 7 **Scientific paper.** Cristian Rial Berriel; Andrea Acosta Dacal; Miguel Ángel Cabrera Pérez; et al; (AC). (12/12). 2021. Intensive livestock farming as a major determinant of the exposure to anticoagulant rodenticides in raptors of the Canary Islands (Spain) Science of the Total Environment. Elsevier. 768, pp.144386. ISSN 0048-9697.
- 8 **Scientific paper.** Ana Macías Montes; Manuel Zumbado; Octavio Pérez Luzardo; Ángel Rodríguez Hernández; Andrea Acosta Dacal; Cristian Rial Berriel; Luis D. Boada; Luis Alberto Henríquez Hernández. (3/8). 2021. Nutritional Evaluation and Risk Assessment of the Exposure to Essential and Toxic Elements in Dogs and Cats through the Consumption of Pelleted Dry Food: How Important Is the Quality of the Feed? Toxics. MDPI. ISSN 2305-6304.
- 9 **Scientific paper.** Andrea Acosta Dacal; Cristian Rial Berriel; Ricardo Díaz Díaz; María del Mar Bernal Suárez; (AC). (5/5). 2021. Optimization and validation of a QuEChERS-based method for the simultaneous environmental monitoring of 218 pesticide residues in clay loam soil Science of the Total Environment. Elsevier. 753, pp.142015. ISSN 0048-9697.
- 10 **Scientific paper.** Jorge Orós; María Camacho; Pascual Calabuig; Cristian Rial Berriel; Natalia Montesdeoca; Soraya Déniz; Octavio Pérez Luzardo. (7/7). 2021. Postmortem investigations on leatherback sea turtles (*Dermochelys coriacea*) stranded in the Canary Islands (Spain) (1998-2017): evidence of anthropogenic impacts Marine Pollution Bulletin. Elsevier. ISSN 0025-326X.
- 11 **Scientific paper.** Miquel Porta; José Pumarega; Luis Alberto Henríquez Hernández; et al;. (11/11). 2021. Reductions in blood concentrations of persistent organic pollutants in the general population of Barcelona from 2006 to 2016 Science of the Total Environment. Elsevier. ISSN 0048-9697.
- 12 **Scientific paper.** Andrea Acosta Dacal; Cristian Rial Berriel; Ricardo Díaz Díaz; et al; (AC). (9/9). 2021. Validation of a method scope extension for the analysis of POPs in soil and verification in organic and conventional farms of the Canary Islands Toxics. MDPI. ISSN 2305-6304.
- 13 **Scientific paper.** Luis Alberto Henríquez Hernández; Desirée Romero; Ana González Antuña; et al; (AC);. (8/9). 2020. Biomonitoring of 45 inorganic elements measured in serum from Spanish subjects: a cross-sectional study in Andalusian population Science of the Total Environment. Elsevier. 662, pp.22-31. ISSN 0048-9697.
- 14 **Scientific paper.** Pablo Sánchez Virosta; Mario León Ortega; José F. Calvo; et al; ;. (7/10). 2020. Blood concentrations of 50 elements and related effects on plasma vitamin levels in Eagle owl (*Bubo bubo*) Environmental Pollution. Elsevier. aceptado. ISSN 0269-7491.
- 15 **Scientific paper.** Verónica Martín León; (AC). (2/2). 2020. Evaluation of nitrate contents in regulated and non-regulated leafy vegetables of high consumption in the Canary Islands, Spain: risk assessment. Food and Chemical Toxicology. Elsevier. 146, pp.111812. ISSN 0278-6915.
- 16 **Scientific paper.** Gabriel Marrero Alemán; Leopoldo Borrego; Ana González Antuña; Ana Macías Montes. (5/5). 2020. Isothiazolinones in cleaning products. Analysis with liquid chromatography tandem mass spectrometry of samples from sensitized patients and market Contact Dermatitis. Willey. Aceptado. ISSN 1600-0536.
- 17 **Scientific paper.** Cristian Rial Berriel; Andrea Acosta Dacal; Manuel Zumbado; (AC). (4/4). 2020. Micro QuEChERS-based method for the simultaneous biomonitoring in whole blood of 360 toxicologically relevant pollutants for wildlife Science of the Total Environment. Elsevier. Aceptado. ISSN 0048-9697.
- 18 **Scientific paper.** Ana Macías Montes; Cristian Rial Berriel; Andrea Acosta Dacal; et al; (AC). (9/9). 2020. Risk assessment of the exposure to mycotoxins in dogs and cats through the consumption of commercial dry food Science of the Total Environment. Elsevier. Aceptado. ISSN 0048-9697.

- 19 **Scientific paper.** Silvia Espin; Pablo Sánchez Virosta; José Manuel Zamora Marín; et al; ;. (7/9). 2020. Toxic elements in blood of red-necked nightjars (*Caprimulgus ruficollis*) inhabiting differently polluted environments *Environmental Pollution*. Elsevier. aceptado. ISSN 0269-7491.
- 20 **Scientific paper.** Luis Alberto Henríquez Hernández; (AC); Ana González Antuña; Guillermo Burillo Putze; Ana Isabel Domínguez Bencomo; Manuel Zumbado; Octavio Pérez Luzardo. (2/6). 2019. Assessment of 22 inorganic elements in human amniotic fluid: a cross-sectional study conducted in Canary Islands (Spain) *International Journal of Environmental Health Research*. Taylor and Francis. 29, pp.130-139. ISSN 1369-1619.
- 21 **Scientific paper.** Raúl Cabrera Rodríguez; (AC); Maira Almeida González; Luis D Boada; Manuel Zumbado; Andrea Carolina Acosta Dacal; Cristian Rial Berriel; Luis Alberto Henríquez Hernández. (2/8). 2019. Association between prenatal exposure to multiple persistent organochlorine pollutants (POPs) and growth indicators in newborns *Environmental Research*. Elsevier. 171, pp.285-292. ISSN 0160-4120.
- 22 **Scientific paper.** (AC); Mihaela Badea; Manuel Zumbado; et al;. (1/9). 2019. Body burden of organohalogenated pollutants and polycyclic aromatic hydrocarbons in Romanian population: influence of age, gender, body mass index, and habitat *Science of the Total Environment*. Elsevier. 656, pp.709-716. ISSN 0048-9697.
- 23 **Scientific paper.** Ángel Rodríguez Hernández; Manuel Zumbado; Luis Alberto Henríquez Hernández; Luis D Boada; (AC). (5/5). 2019. Dietary Intake of Essential, Toxic, and Potentially Toxic Elements from Mussels (*Mytilus* spp.) in the Spanish Population: A Nutritional Assessment *Nutrients*. 864, pp.1-18. ISSN 2072-6643.
- 24 **Scientific paper.** Manuel Zumbado; (AC); Ángel Rodríguez Hernández; Luis D Boada; Luis Alberto Henríquez Hernández. (2/5). 2019. Differential exposure to 33 toxic elements through cigarette smoking, based on the type of tobacco and rolling paper used will be published in *Environmental Research*. Elsevier. Aceptado. ISSN 0013-9351.
- 25 **Scientific paper.** Jaume Adrià Badia-Boher; Ana Sanz Aguilar; Manuel de la Riva; et al; (AC);. (7/9). 2019. Evaluating European LIFE conservation programs: improvements in survival of an endangered vulture *Journal of Applied Ecology*. Wiley. Aceptado. ISSN 1365-2664.
- 26 **Scientific paper.** María Camacho; Alicia Herrera; May Gómez; Andrea Acosta Dacal; Ico Martínez; Luis Alberto Henríquez Hernández; (AC). (7/7). 2019. Organic pollutants in marine plastic debris from Canary Islands beaches *Science of the Total Environment*. Elsevier. 662, pp.22-31. ISSN 0048-9697.
- 27 **Scientific paper.** Fernando González; María Camacho; Natalia Pastor Tiburón; Manuel Zumbado; Luis Revuelta Rueda; (AC). (6/6). 2019. Study of suitability of anodic stripping voltammetry (LeadCare II System®) for routine venous blood lead analysis in raptors at Wildlife Recovery Centers. *Environmental Toxicology and Chemistry*. Elsevier. 38, pp.737-747. ISSN 1552-8618.
- 28 **Scientific paper.** Mihaela Badea; (AC); Ana González Antuña; et al;. (2/12). 2018. Body burden of toxic metals and rare earth elements in non-smokers, cigarette smokers and electronic cigarette users *Environmental Research*. Elsevier. Aceptado. ISSN 0013-9351.
- 29 **Scientific paper.** Raúl González; (AC); Ana González Antuña; et al;. (2/9). 2018. Occurrence of 44 Elements in Human Cord Blood and their Association with Growth Indicators in Newborns *Environment International*. Elsevier. 116, pp.43-51. ISSN 0160-4120.
- 30 **Scientific paper.** Luis Alberto Henríquez Hernández; Ana González Antuña; Luis D Boada; et al; (AC). (11/11). 2018. Pattern of blood concentrations of 47 elements in two populations from the same geographical area but with different geological origin and lifestyles: Canary Islands (Spain) vs. Morocco *Science of the Total Environment*. Elsevier. 636, pp.709-716. ISSN 0048-9697.
- 31 **Scientific paper.** Rafael Ginés; María Camacho; Luis Alberto Henríquez Hernández; et al;. (11/11). 2018. Reduction of persistent and semi-persistent organic pollutants in fillets of farmed European seabass (*Dicentrarchus labrax*) fed low fish oil diets *Science of the Total Environment*. Elsevier. Aceptado. ISSN 0048-9697.

- 32 Scientific paper.** Pablo Alonso González; Eva Parga Dans; Octavio Pérez Luzardo. (3/3). 2021. Big sales, no carrots: Assessment of pesticide policy in Spain Crop protection. Elsevier. 141, pp.105428. ISSN 0261-2194.
- 33 Book chapter.** Jorge Orós; María Camacho; Octavio P. Luzardo. 2021. Environmental and miscellaneous toxicoses in reptiles Noninfectious diseases and pathology of reptiles: Color atlas and text. CRC Press. II, pp.273-329.

C.3. R&D and innovation projects and contracts

- 1 Project.** SC1-PM-05-2016, The European Biomonitoring Initiative. Unión Europea. Luis Domínguez Boada. (Universidad de las Palmas de Gran Canaria). 01/01/2017-31/12/2021. 49.933.776 €. Team member.
- 2 Project.** SocAmbCOV / Efectos de las condiciones vitales y socioeconómicas y de biomarcadores de contaminantes inmunodepresores en el estado inmunitario basal, la respuesta a la infección por SARS-CoV-2 y la evolución clínica de la COVID-19. Santander Investment, S.A.. Miquel Porta. (Universidad Autónoma de Barcelona (UAB), Instituto Hospital del Mar de Investigaciones Médicas (IMIM PSMar)). 01/06/2020-31/05/2021. 280.000 €.
- 3 Project.** 110661/2018/794561/SUB/ENV.C2, Impacts of marine litter on sea turtles and biota "INDICIT II". Directorate C of DG Environment. Claude Miaud. (Universidad de las Palmas de Gran Canaria). 01/02/2019-31/01/2021. 1.312.691 €. Team member.
- 4 Project.** Exposición prenatal y postnatal a retardantes de llama organofosforados y desarrollo neuropsicológico a los 12 y 24 meses de edad. Instituto de Salud Carlos III. Marina Lacasaña Navarro. (Escuela Andaluza de Salud Pública). 01/01/2018-31/12/2020. 140.662,5 €.
- 5 Project.** Agricultura sostenible y seguridad alimentaria en la Macaronesia: Investigación de los beneficios y riesgos por la ingesta de productos vegetales para la salud de los consumidores y desarrollo de estrategias de minimización. PERVEMAC II. Unión Europea - Fondo Europeo para el Desarrollo Regional. Octavio Pérez Luzardo. (Universidad de las Palmas de Gran Canaria). 01/01/2017-31/12/2019. 1.700.000 €. Co-ordinator.
- 6 Project.** CIBER DE FISIOPATOLOGIA DE LA OBESIDAD Y NUTRICION (CIBER OBN) en el area temática sobre la dieta mediterranea y sus efectos en la prevención de enfermedades crónicas. Instituto de Salud Carlos III. (Universidad de las Palmas de Gran Canaria). 01/01/2013-31/12/2017. 54.000 €.
- 7 Project.** PREDIMED-PLUS: Efecto de una dieta mediterránea hipocalórica y promoción de la actividad física en prevención primaria cardiovascular. Estudio piloto sobre marcadores intermedios.. Ministerio de Economía y Competitividad - MINECO. Lluís Serra Majem. (Universidad de las Palmas de Gran Canaria). 2014-2015. 110.775 €.
- 8 Contract.** Convenio entre la Consejería de Política Territorial, Sostenibilidad y Seguridad y la Universidad de Las Palmas de Gran Canaria para el diagnóstico toxicológico de los casos de envenenamiento de fauna silvestre en Canarias Gobierno de Canarias. Octavio Pérez Luzardo. 01/01/2018-01/01/2022. 320.000 €.