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| **CV date** |  Dic-2018 |

**PERSONAL INFORMATION**

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| First and Family name | Alfonso Corzo Rodríguez |
| Social Security, Passport, ID number | 24888026W | Age | 59 |
| Researcher numbers | Researcher ID |  L-9669-2015 |
| Orcid code |  0000-0003-3718-941X |

**Current position**

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| Name of University/Institution | University of Cádiz  |
| Department | Department of Biology  |
| Address and Country | CASEM, Avda. República Saharaui s/n, Spain |
| Phone number |  956016177 | E-mail | Alfonso.corzo@uca.es |
| Current position | Full Professor  | since | 18/5/2010 |
| Key words | Microbial Ecology, microbial biogeochemistry, microsensors, microphytobenthos, microbial mats, biofilms, sediment, carbon and Nitrogen cycles  |

**Education**

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| Degree/PhD | University | Year |
| Degree: Biological Sceince | University of Málaga | 1981 |
| PhD: Algal ecophysiology | University of Málaga |  1988 |
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**JCR articles, h Index, thesis supervised…**

- Publications: 45 (31 in Q1)

- Number of citations: 1893; 935 since 2013 (*Google Scholar*)

- Mean annual number of citations (2013-2018): 187 *(Google Scholar)*

- h-index: 21 (total), 15 since 2013, i10-index: 34, 22 since 2013 *(Google Scholar)*

*-* PhD thesis in the last 10 years: 6 + 4 (in progress)

- Research “sexenios”: 5

**CV SUMMARY**

Alfonso Corzo Rodríguez (27/Nov/1959), Full Professor of Ecology since 2010. Degree in Biological Sciences (1981) and PhD in Biological Sciences (1988), University of Malaga. **PAST POSITIONS:** Research scholarship (CAICYT), University of Malaga, 1985-88. Postdoctoral Fellow (MEC), T.H. D. Darmstadt (D), 1988-89. Postdoctoral Fellow (MEC), University of York (U.K.), 1989-90. Postdoctoral Reincorporation Scholarship, University of Malaga, 1990-93. Temporary Associate Professor, University of Cadiz, 1993-95. Associate Professor, University, 1995-2010. **RESEARCH:** My research career has been characterized by a strong evolution in the research topics in which I have been interested in. From Biochemistry and Plant Ecophysiology in my doctoral thesis and during the two years of postdoc, to Microbial Ecology and Microbial Biogeochemistry, where I now work at community and ecosystem level. I lead the research group on Microbial Ecology and Biogeochemistry at the University of Cadiz (http://www2.uca.es/grup-invest/microbentos). Currently my research covers a wide variety of aquatic ecosystems: temperate and tropical estuarine zones, acid lakes and biofilms in wastewater. In my laboratory we study processes in the water column and sediments, but we are particularly interested in the biogeochemical and microbial processes that occur at the sediment-water interface and on other microbial surfaces such as biofilms and microbial mats. We are the only Iberian group with a long experience in the use of microsensors to measure at micro scale concentrations of O2, pH and H2S, etc, which allows us to study microbial activities at small scale. These methods are complemented by a wide range of other microbial ecology and geochemical techniques: stable isotopes, inorganic and organic nutrients and speciation of iron and sulphur, etc. Our experimental approaches combine laboratory experimentation in microcosms or mesocosms under very controlled conditions, *in situ* experiments and field studies. I have participated in 26 national and international research projects, being the leading researcher (PI) in 10 of them in the last 10 years, contributing as PI to my university > 1.500.000 Euros in this period. I have published 46 articles in international ISI journals, 5 book chapters and 18 other publications in national journals or of more restricted dissemination. I have presented >100 contributions at international and national conferences and I hold an international patent. **TEACHING AND STUDENT SUPERVISION:** At present, I teach General Ecology, theoretical and practical contents and I coordinated the subject Coastal Biogeochemistry in the Master Interuniversitario de Oceanografía (Universidad de Cádiz, Universidad de Vigo, Universidad de las Palmas de Gran Canaria). I have supervised or co-supervised 6 PhD thesis, 20 TFG and TFM and currently I am supervising another 4 PhD theses. **REVIEW**: I have participated in infrastructure, grants and projects evaluation committees at regional, national, European and international levels. I have reviewed scientific articles for many leading journals and projects for ANEP, MINECO and foreign agencies. **INTERNATIONAL RELATIONSHIPS:** I have done stays of different duration in foreign research centers (Germany, United Kingdom and Denmark). At present, my main international collaborations are several colleagues in Denmark, United Kingdom and Netherlands. I have participated in organizing committees of international congresses (ASLO Granada 2015). **RESEARCH SEXENNIA**: Positive evaluation of 5 national research sexennia until 2016. Positive evaluation in 5 research sexennia by the Andalusian Quality Agency.

**SOME RECENT PUBLICATIONS**

1. **Corzo, A.,** Jiménez-Arias. J. L. Torres. E., García-Robledo. E., Lara, M., Papaspyrou, S. (2018) Biogeochemical changes at the sediment–water interface during redox transitions in an acidic reservoir: exchange of protons, acidity and electron donors and acceptors. Biogeochemistry,139:241-260. doi:10.1007/s10533-018-0465-7

2. Burgos, M., Ortega, T., Bohórquez, J., **Corzo A**., Rabouille, C. and Forja, J.M., 2018. Seasonal variation of early diagenesis and greenhouse gas production in coastal sediments of Cadiz Bay: influence of anthropogenic activities. **Estuarine, Coastal and Shelf Science**, 200: 99-115.

3. Soria-Píriz, S., García-Robledo, E., Papaspyrou, S., Aguilar, V., Seguro, I., Acuña, J., Morales, A., **Corzo, A**. (2017). Size fractionated phytoplankton biomass and net metabolism along a tropical estuarine gradient. **Limnol. & Oceanogr.** 62: S309-S326. doi: 10.1002/lno.10562

4. Bohórquez, J., McGenity, T., Papaspyrou, S., Garcia-Robledo, E., **Corzo, A.**, Underwood, G. J. C. (2017). Different types of diatom-derived Extracellular Polymeric Substances drive changes in heterotrophic bacterial communities from intertidal sediments. **Frontiers in Microbiology** 8:245. doi: 10.3389/fmicb.2017.00245.

5. Garcia-Robledo, E. Bohorquez,J, **Corzo,A.**, Jimenez-Arias, J.L., Papaspyrou, S. (2016) Dynamics of inorganic nutrients in intertidal sediments: porewater, exchangeable and intracellular pools. **Frontiers in Microbiology,** 7, 761.

6. Villahermosa, D.; **Corzo, A.**, García-Robledo, E., González,J. M. Papaspyrou, S. 2016. Kinetics ofindigenous nitrate reducing sulfide oxidizing activity in microaerophilic wastewater biofilms. **PLOS ONE** 11(2): e0149096. doi:10.1371/journal.pone.0149096.

7. Jiménez-Arias, J.L., Mata, M. P., **Corzo, A.**, Poulton, S., Maerz, C., Sánchez-Bellón, A., Martínez, J., Casas-Ruiz, M., García-Robledo, E., Bohórquez, J., Papaspyrou, S. 2016. A multiproxy study distinguishes environmental changes and diagenetic alterations in the recent sedimentary record of the inner Cadiz Bay (SW Spain). **The Holocene.** DOI: 10.1177/0959683616640046.

8. Torres, E., Ayora, C., Jiménez-Arias, J. L., García-Robledo, E., Papaspyrou, S. **Corzo, A.** 2014. Benthic metal fluxes and sediment diagenesis in a water reservoir affected by acid mine drainage: A laboratory experiment and reactive transport modeling. **Geochimica et Cosmochimica Acta.** 139: 344-361.

9. García-Robledo,E., **Corzo, A.**, Papaspyrou, S. 2014. A fast and direct spectrophotometric method for the sequential determination of nitrate and nitrite at low concentrations in small volumes. **Marine Chemistry** 162: 30-36.

10. Papaspyrou, S., Diz, P., García-Robledo, E., **Corzo, A.**, Jiménez-Arias, J. L. 2013. Dynamics of benthic foraminifera in an intertidal area of Bahía de Cádiz (Spain). **Marine Ecology - Progress Series** 409: 121-135.