

**PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS
EN EL PROGRAMA DE DOCTORADO EN HIDROLOGÍA Y GESTIÓN DE RECURSOS
HÍDRICOS EN EL AÑO 2017**

RD 99/2011

Doctorando	José Fernando Rodrigo Quejigo
Tesis	Bioelectroventing: Cleaning-up polluted sites using electrodes to stimulate microbial remediation activities
Director/es	Abraham Esteve Núñez
Fecha lectura	07/04/2017
<p>RODRIGO QUEJIGO, J.; DOMÍNGUEZ-GARAY, A.; DÖRFLER, U.; SCHROLL, R.; ESTEVE-NÚÑEZ, A. Anodic shifting of the microbial community profile to enhance oxidative metabolism in soil. <i>Soil Biology and Biochemistry</i>. 116: 131-138. doi: 10.1016/j.soilbio.2017.09.012 (2018).</p> <p>DOMÍNGUEZ-GARAY, A.; RODRIGO QUEJIGO, J.; DÖRFLER, U.; SCHROLL, R.; ESTEVE-NÚÑEZ, A. Bioelectroventing: an electrochemical-assisted bioremediation strategy for cleaning-up atrazine polluted soils. <i>Microbial Biotechnology</i>. 11 (1): 50-62. doi: 10.1111/1751-7915.12687 (2018).</p> <p>TEJEDOR, S.; RODRIGO QUEJIGO, J.; BERNÁ, A.; ESTEVE-NÚÑEZ, A. The planktonic relationship between fluid-like electrodes and bacteria: wiring in motion. <i>ChemSusChem</i>. 10 (4): 693-700. doi: 10.1002/cssc.201601329 (2017)</p> <p>RODRIGO QUEJIGO, J.; DÖRFLER, U.; SCHROLL, R.; ESTEVE-NÚÑEZ, A. Stimulating soil microorganisms for mineralizing the herbicide isoproturon by means of Microbial Electroremediating Cells. <i>Microbial Biotechnology</i>. doi: 10.1111/1751-7915.12351. (2016)</p> <p>RODRIGO QUEJIGO, J.; BOLTES, K.; ESTEVE-NÚÑEZ, A. In situ microbial-electrochemical bioremediation and detoxification of dibenzothiophene-polluted soil. <i>Chemosphere</i>. 101: 61-65. doi: 10.1016/j.chemosphere.2013.11.060</p>	

RD 1393/2007

Doctorando	Raquel García Pacheco
Tesis	Nanofiltration and Ultrafiltration Membranes From End-of-life Reverse Osmosis Membranes a Study of Recycling
Director/es	Eloy García Calvo / Junkal Landaburu Aguirre
Fecha lectura	11/05/2017
Calificación	Sobresaliente <i>cum laude</i>
<p>Patente: Spanish Patent PCT/EP2016/30931 (08 July 2016). Proceso de transformación de membranas de poliamida con enrollamiento en espiral que han agotado su vida útil en membranas de utilidad industrial. In English: Transformation of spiral wound polyamide membranes after its industrial lifespan. Applicants: IMDEA Water (50%) and VALORIZA Water (50%).</p> <p>Artículos: García-Pacheco, R., Landaburu-Aguirre, J., Terrero,P., Campos, E., Molina, F., Rabadán, J., Zarzo, D., García-Calvo, E. 2018. Validation of recycled membranes for treating brackish water at pilot scale. <i>Desalination</i>, 433 199-208 (Journal Impact Factor: 5.527). https://doi.org/10.1016/j.desal.2017.12.034</p> <p>Landaburu-Aguirre, J., García-Pacheco, R., Molina, S., Rodríguez-Sáez, L., Rabadán, J., García-Calvo, E. (2016). Fouling prevention, preparing for re-use and membrane recycling. Towards circular economy in RO desalination, <i>Desalination</i> 393 16–30, ISSN 0011-9164, 7 citations (Journal Impact Factor: 5.527). http://dx.doi.org/10.1016/j.desal.2016.04.002</p> <p>García-Pacheco, R., Landaburu-Aguirre, J., Molina, S., Rodríguez-Sáez, L., Teli, S. B., & García-Calvo, E. (2015). Transformation of end-of-life RO membranes into NF and UF membranes: Evaluation of membrane performance, <i>Journal of Membrane Science</i> 495 305–315, ISSN 0376-7388, 8 citations (Journal Impact Factor: 6.035). http://dx.doi.org/10.1016/j.memsci.2015.08.025</p> <p>Capítulos de Libro: García-Pacheco, R., Lawler, W., Landaburu-Aguirre, J., García-Calvo, E., and Le-Clech, P. End-of-Life Membranes: Challenges and Opportunities, In Reference Module in Chemistry, Molecular Sciences and Chemical Engineering, Elsevier, 2017. Also published in E. Drioli (Ed.), <i>Comprehensive Membrane Science and Engineering II</i> (2nd ed.). Elsevier Oxford, 2017, 293-310, ISBN 9780444637963, https://doi.org/10.1016/B978-0-12-409547-2.12254-1</p>	