

## Curriculum Vitae



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Prof. Dra. Elisama Vieira dos Santos  
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Elisama Vieira dos Santos (Santa Cruz, Brazil) obtained her PhD in Chemistry (2015) at the Federal University of Rio Grande do Norte (UFRN). She has conducted a research experience in the Electrochemical & Environmental Engineering Lab at the Universidad de Castilla La-Mancha (Spain, 2014) under the supervision of Prof. Manuel Andres Rodrigo, evaluating pesticides decontamination of wastewaters and soils by using electrochemical oxidation and electrokinetic remediation, respectively. In 2016, she joined at the UFRN as Associate Professor in Chemistry. Her research mainly focuses on electrokinetic remediation, electrochemical advanced oxidation processes (electrochemical remediation, photo-electrolysis, renewable energies driven electrochemical technologies) as well as the construction of electrochemical-sensors and electroanalytical techniques for detecting heavy metals and organic compounds in real samples. She is author and co-author of more than 90 scientific publications, including 2 conference books, 06 book chapters, 01 book, 59 papers in peer-reviewed international scientific periodicals (H-Index: 19), 2 papers in national scientific periodicals, more than 40 contributions in conference proceedings and a co-inventor of 02 patent, receiving 04 prizes in total. She participated in different sponsored projects (01 international, 05 national and 02 contracts with private companies). She has mentored 06 Master students, 04 Ph.D. students, and 02 Postdoctoral researchers. In 2016, she was awarded by UNESCO and the L'Oréal Foundation with the important prize “Women in Science”, regarding her relevant scientific contributions and developments on environmental protection. In 2020 was awarded with Prize on Environmental Electrochemistry by the International Society of Electrochemistry. She participated as general chair of organizing committee of the XXI Simpósio Brasileiro de Eletroquímica e Electroanalítica on April, 2017 in Natal (Brazil) and she was also the general chair of organizing committee of the 4° Iberoamerican Conference on Advanced Oxidation Technologies (III CIPOA) which was held in Natal on 2019. She has participated as a committee member in international conferences on environmental electrochemistry and engineering, delivering 20 plenary/keynote/invited lectures at international conferences and scientific institutions. She also participated as Guest Editor in the Editorial Boards of Journal of the Electrochemical Society (<https://www.electrochem.org/ecs-blog/focus-issue-on-women-in-electrochemistry/>) and Environmental science and pollution research. She is currently associate editor on Quimica Nova journal (Brazilian Chemical Society) and coordinator of the Postgraduate Program in Chemical Engineering at UFRN.

### *1 – ACADEMIC*

- 2005 – 2009** Universidade Federal do Rio Grande do Norte, UFRN, Brasil. Departamento de Química.  
**Degree in Chemistry**
- 2009 – 2011** Universidade Federal do Rio Grande do Norte, UFRN, Brasil. Instituto de Química.  
**Master's degree in Chemistry**
- 2011 – 2015** Universidade Federal do Rio Grande do Norte, UFRN, Brasil. Instituto de Química.  
**Ph. D. degree in Chemistry**

### *2 - RESEARCH PROJECTS (COORDINATOR OR COLLABORATOR)*

- 2017-2023** Instituto Nacional de Tecnologias Alternativas para Detecção, Avaliação Toxicológica e Remoção de Micropoluentes e Radioativos (INCT-DATREM 14/50945-4) (**collaborator**). R\$ 3.000.000,00

	Conversion, conservation and development processes of sustainable energy systems involving biomass. ( <b>supervisor</b> ). R\$ 622.560,00
<b>2019-2022</b>	Aplicability processes for the removal pesticides of soil and water. ( <b>supervisor</b> ). R\$ 40.000,00
<b>2018-2021</b>	Almacenamiento sostenible de energía mediante el proceso híbrido azufre mejorado con membranas de polibenzimidazol, SBPLY/17/180501/000330. ( <b>collaborator</b> ). 154.000,00 €
<b>2019-2021</b>	Oxidative degradation of lignin and other products renewables by electrochemical approach by using boron doped diamond (BDD) electrodes for producing high value-added products. ( <b>supervisor</b> ). R\$ 42.398,96
<b>2818-2020</b>	Permeable reactive barriers using cork granules for soil remediation containing hydrocarbons. FCT/4981/6/4/2018/S. ( <b>collaborator</b> ). R\$ 150.000,00
<b>2016 – 2019</b>	The project explores the electrochemical treatment of soils and waters contaminated with organochlorine pesticides (430121 / 2016-4- 2016 – 2019) ( <b>supervisor</b> ). R\$ 40.000,00
<b>2016 – 2017</b>	The awarded project for the electrochemical treatment of soils contaminated with pesticides and metals fed with solar cells (L'Oreal-UNESCO "For Women in Sciences" ( <b>supervisor</b> ). R\$ 50.000,00
<b>2012 – 2013</b>	Study of scale-up of an electrochemical reactor to be implanted in the treatment station at the Federal University of Rio Grande do Norte ( <b>collaborator</b> ). R\$ 10.000,00
<b>2012 – 2012</b>	Electrochemical oxidation approach as alternative for removing organic pollutants from wastewaters produced by petrochemical and textile industries ( <b>collaborator</b> ). R\$ 10.000,00

### 3 – AWARDS

- 2020 - ISE-Elsevier Prize for Green Electrochemistry
- 2017 - Award to the best poster- performance of electro-phytoremediation in artificial contaminated soil with TPH and PAH Topic: electrochemical engineering, 10th world congress of chemical engineering.
- 2017 - Award to the best poster- tratamento eletroquímico de efluentes derivados da remediação eletrocinética de solos contaminados com petróleo, XXI simpósio brasileiro de eletroquímica e eletronalítica.
- 2016 - “For Women in Sciences” by UNESCO - Brazilian Academy of Sciences and L’Oréal.

### 4- PUBLICATIONS IN PEER-REVIEWED JOURNALS

- SILVA, K. N. O.; RODRIGO, M.A. DOS SANTOS, E.V. Electrochemical treatment of soil-washing effluent with boron-doped diamond electrodes: a review. *Current Opinion in Solid State & Materials Science*, Accepted. **IF= 11.354**
- BRITO, L. R. D.; GANIYU, S.O.; DOS SANTOS, E.V.; Removal of antibiotic rifampicin from aqueous media by advanced electrochemical oxidation: Role of electrode materials, electrolytes and real water matrixes. *Electrochimica Acta*, p. 139254, 2021. **IF= 6.901**, <https://doi.org/10.1016/j.electacta.2021.139254>
- ARAUJO, D. M.; PAIVA, S. S. M.; HENRIQUE, J. M. M.; MARTINEZ-HUITLE, C. A.; **DOS SANTOS, E.V.** Green Composite Sensor for Monitoring Hydroxychloroquine in Different Water Matrix. *Materials*, v. 14, p. 4990, 2021. **IF= 3.623**. <https://doi.org/10.3390/ma14174990>
- SILVA, K. N. O.; ARAÚJO, KARLA C. F.; DA SILVA, DJALMA R.; MARTÍNEZ-HUITLE, CARLOS A.; **DOS SANTOS, E.V.** Persulfate-soil washing: the green use of persulfate electrochemically generated with diamond electrodes for depolluting soils. *Journal of electroanalytical chemistry*, 895, p. 115498, 2021. **IF= 3.807**, <https://doi.org/10.1016/j.jelechem.2021.115498>
- MONTEIRO, MONTEIRO, M. M.; SILVA, D. R.; QUIROZ, M. A.; VILAR, V. J. P.; MARTINEZ-HUITLE, C. A.; **DOS SANTOS, E.V.** Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. *Materials*, v. 14, p. 1-17, 2021. **IF=3.057**, <https://doi.org/10.3390/ma14010037>
- MONTEIRO, M. M.; HENRIQUE, A. M. M.; LLANOS, J.; SAEZ, C.; **DOS SANTOS, E.V.**; RODRIGO, M. A. A review on the electrochemical production of chlorine dioxide from chlorates and hydrogen peroxide. *Current Opinion in Electrochemistry*, p. 100685, 2021. **IF=5.579**,

<https://doi.org/10.1016/j.coelec.2020.100685>

7. SILVA, I. B.; ARAUJO, D. M.; VOCCIANTE, M.; FERRO, S.; MARTINEZ-HUITLE, C. A.; **DOS SANTOS, E.V.** Electrochemical Determination of Lead Using A Composite Sensor Obtained from Low-Cost Green Materials: Graphite/Cork. *Applied Sciences-Basel*, v. 11, p. 1-13, 2021. **IF=2.474**, <https://doi.org/10.3390/app11052355>
8. MILLER, M.H.J.; CAÑIZARES, P.; SAEZ, C.; **DOS SANTOS, E.V.**; RODRIGO, M. A. Relevance of gaseous flows in electrochemically assisted soil thermal remediation. *Current Opinion in Electrochemistry*, v. 27, p. 100698, 2021. **IF=5.579**, <https://doi.org/10.1016/j.coelec.2021.100698>
9. VILAR, VÍTOR J.P.; **DOS SANTOS, E.V.**; MARTÍNEZ-HUITLE, C.A. Advanced oxidation/reduction technologies: a perspective from Iberoamerican countries. *Environmental Science and Pollution Research*, v. 11, p. 1, 2021. **IF=3.292**, <https://doi.org/10.1007/s11356-021-13777-x>
10. BARTILOTTI, M.; VIANA, T.S.; DE OLIVEIRA, D.P.; **SANTOS, E.V.**; ROJAS-MANTILLA, H.D.; SANTOS, M.C.; ZANONI, M.V. B. Assessment of the improved performance of magnetite-modified vermiculite in the reduction of BTEX and metals, as well as toxicity in petroleum-produced water. *Journal of water process engineering*, v. 39, p. 101749, 2021. **IF=3.465**, <https://doi.org/10.1016/j.jwpe.2020.101749>
11. GANIYU, S.O.; DE ARAÚJO, M.J.G.; COSTA, E.C.T.A.; SANTOS, J.E.L.; **DOS SANTOS, E. V.**; MARTÍNEZ-HUITLE, C.A.; PERGHER, S.B.C. Design of highly efficient porous carbon foam cathode for electro-Fenton degradation of antimicrobial sulfanilamide. *Applied catalysis b-environmental*, v. 283, p. 119652, 2021. **IF=16.683**, <https://doi.org/10.1016/j.apcatb.2020.119652>
12. SANTOS, J.E.L.; DA SILVA, D.R.; MARTÍNEZ-HUITLE, C.A.; **DOS SANTOS, E.V.**; QUIROZ, M.A. Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate in aqueous solutions using PbO<sub>2</sub>, Sb-doped SnO and Si/BDD anodes. Part 2: hydrogen production. *RSC Advances*, v. 10, p. 37947-37955, 2020. **IF=3.199**, <https://doi.org/10.1039/D0RA03954C>
13. SANTOS, J.E.L.; DA SILVA, D.R.; MARTÍNEZ-HUITLE, C.A.; **DOS SANTOS, E.V.**; QUIROZ, M.A. Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate aqueous solutions using Pb/PbO<sub>2</sub>, Ti/Sb-doped SnO and Si/BDD anodes. Part 1: electrochemical oxidation. *RSC Advances*, v. 10, p. 37695-37706, 2020. **IF=3.199**, <https://doi.org/10.1039/D0RA03955A>
14. HENRIQUE, J.M.M.; MONTEIRO, M.K.S.; CARDOZO, J.C.; MARTÍNEZ-HUITLE, C.A.; DA SILVA, D.R.; **DOS SANTOS, E.V.** Integrated-electrochemical approaches powered by photovoltaic energy for detecting and treating paracetamol in water. *Journal of electroanalytical chemistry*, v. 878, p. 114734, 2020. **IF=3.807**, <https://doi.org/10.1016/j.jelechem.2020.114734>
15. FERREIRA, M. B. ; SOLANO, A. M. S. ; **DOS SANTOS, ELISAMA V.** ; MARTINEZ-HUITLE, C. A. ; GANIYUA, S. O. Coupling of Anodic Oxidation and Soil Remediation Processes: A Review. *Materials*, 13(19), 4309. **IF=3.057** <https://doi.org/10.3390/ma13194309>
16. SOARES, I.C.C.; DA SILVA, A.R.L.; SANTOS, E.C.M.M.; **DOS SANTOS, E.V.**; DA SILVA, D.R.; MARTÍNEZ-HUITLE, C.A. Understanding the electrochemical oxidation of dyes on platinum and boron-doped diamond electrode surfaces: experimental and computational study. *Journal of Solid State Electrochemistry*, v. 24, p. 1, 2020. **IF= 2.646** <https://doi.org/10.1007/s10008-020-04813-w>
17. SILVA, A.R.L., SANTOS, A.J., **DOS SANTOS, E.V.**, SILVA, D.R., MARTÍNEZ-HUITLE, C.A. Theoretical and experimental study of the influence of cation-Eriochrome complexes on the BDD anodic oxidation of Eriochrome Black T solutions. *Electrochemistry communications*, p. 106668, 2020. **IF= 4.333**, <https://doi.org/10.1016/j.elecom.2020.106668>
18. ANDRADE, D. C., **DOS SANTOS, E.V.** Combination of electrokinetic remediation with permeable reactive barriers to remove organic compounds from soils. *Current Opinion in Electrochemistry*, V.22, p. 136-144, 2020. **IF= 5.579**, <https://doi.org/10.1016/j.coelec.2020.06.002>
19. GANIYU, SOLIU O.; DE ARAÚJO COSTA, EMILY C.T.; MARTÍNEZ-HUITLE, CARLOS A. ; **DOS SANTOS, E.V.** Electro-Fenton catalyzed by Fe-rich lateritic soil for the treatment of food colorant Bordeaux Red (E123): Catalyst characterization, optimization of operating conditions and mechanism of oxidation. *Separation and purification technology*, v. 242, p. 116776, 2020. **IF= 5.574**, <https://doi.org/10.1016/j.seppur.2020.116776>

20. MONTEIRO, M. K. S. SANTOS, E. C. M. M.; SILVA, D. R.; MARTÍNEZ-HUITLE, C. A.; DOS SANTOS, E. V. Simultaneous determination of paracetamol and caffeine in pharmaceutical formulations and synthetic urine using cork-modified graphite electrodes. *Journal of solid state electrochemistry*, v. 24, p. 1789-1800, 2020. **IF= 2.646**, <http://dx.doi.org/10.1007/s10008-020-04722-y>
21. RICK LOPES DA SILVA, ÁMISON; JHONES DOS SANTOS, ALEXSANDRO; VIEIRA DOS SANTOS, ELISAMA; RIBEIRO DA SILVA, DJALMA; MARTÍNEZ-HUITLE, CARLOS A. Theoretical and experimental study of the influence of cation-Eriochrome complexes on the BDD anodic oxidation of Eriochrome Black T solutions. *Electrochemistry communications*, p. 106668, 2020. **IF= 4.333**, <https://doi.org/10.1016/j.elecom.2020.106668>
22. PAIXÃO, I.C.; LÓPEZ-VIZCAÍNO, R.; SOLANO, A.M.S.; MARTÍNEZ-HUITLE, C.A.; NAVARRO, V.; RODRIGO, M.A.; DOS SANTOS, E.V. Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. *Chemosphere*, v. x, p. 126029, 2020. **IF= 5.578**, <https://doi.org/10.1016/j.chemosphere.2020.126029>
23. DE FREITAS ARAÚJO, KARLA CAROLINE; DA SILVA, DJALMA RIBEIRO; DOS SANTOS, ELISAMA VIEIRA; VARELA, HAMILTON; MARTÍNEZ-HUITLE, CARLOS A. Investigation of persulfate production on BDD anode by understanding the impact of water concentration. *Journal of electroanalytical chemistry*, v. 860, p. 113927, 2020. **IF=3.807**, <https://doi.org/10.1016/j.jelechem.2020.113927>
24. GANIYU, SOLIU O.; DE ARAÚJO COSTA, EMILY C.T.; MARTÍNEZ-HUITLE, CARLOS A.; DOS SANTOS, ELISAMA V. Electro-Fenton catalyzed by Fe-rich lateritic soil for the treatment of food colorant Bordeaux Red (E123): Catalyst characterization, optimization of operating conditions and mechanism of oxidation. *Separation and purification technology*, v. 242, p. 116776, 2020. **IF= 5.574**, <https://doi.org/10.1016/j.seppur.2020.116776>
25. MEDEIROS, MATEUS C.; DOS SANTOS, ELISAMA V.; MARTÍNEZ-HUITLE, CARLOS A.; FAJARDO, ANA S.; CASTRO, SUELY S.L. Obtaining high-added value products from the technical cashew-nut shell liquid using electrochemical oxidation with BDD anodes. *Separation and purification technology*, v. 2, p. 117099, 2020. **IF= 5.574**, <https://doi.org/10.1016/j.seppur.2020.117099>
26. MELO HENRIQUE, JOÃO MILLER; ANDRADE, DÉBORAH CORDEIRO; BARROS NETO, EDUARDO L; SILVA, DJALMA RIBEIRO; SANTOS, ELISAMA VIEIRA. Solar-powered BDD-electrolysis remediation of soil washing fluid spiked with diesel. *Journal of chemical technology and biotechnology*, v. 94, p. 2999-3006, 2019. **IF= 2.750**, <https://doi.org/10.1002/jctb.6110>
27. MONTEIRO, MAYRA K.S.; PAIVA, SUELYA S.M.; DA SILVA, DJALMA R.; VILAR, VÍTOR J.P.; MARTÍNEZ-HUITLE, CARLOS A. ; DOS SANTOS, ELISAMA V. Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. *Journal of electroanalytical chemistry*, v. 839, p. 283-289, 2019. **IF=3.807**, <https://doi.org/10.1016/j.jelechem.2019.03.030>
28. GANIYU, S. O.; BRITO, L. R.D.; DE ARAÚJO C., E. C.T.; DOS SANTOS, E. V.; MARTÍNEZ-HUITLE, C. A. Solar photovoltaic-battery system as a green energy for driven electrochemical wastewater technologies: Application to elimination of Brilliant Blue FCF dye solution. *Journal of environmental chemical engineering*, 2019. 102924. **IF=4.300**, <https://doi.org/10.1016/j.jece.2019.102924>
29. ROCHA, I.M.V.; SILVA, K.N.O.; SILVA, D.R.; MARTÍNEZ-HUITLE, C.A.; DOS SANTOS, E.V. Coupling electrokinetic remediation with phytoremediation for depolluting soil with petroleum and the use of electrochemical technologies for treating the effluent generated. *Separation and purification technology*, v. 208, p. 194-200, 2019. **IF= 5.574**, <https://doi.org/10.1016/j.seppur.2018.03.012>
30. ESCALONA-DURÁN, F.; VILLEGAS-GUZMAN, P.; DOS SANTOS, E. V.; DA SILVA, D. R.; MARTÍNEZ-HUITLE, C. A. Intensification of petroleum elimination in the presence of a surfactant using anodic electrochemical treatment with BDD anode. *Journal of electroanalytical chemistry*, v. 832, p. 453-458, 2019. **IF=3.807**, <https://doi.org/10.1016/j.jelechem.2018.11.045>
31. GANIYU, S. O.; DOS SANTOS, E. V.; COSTA, E. C. T. A.; MARTÍNEZ-HUITLE, C. A. Electrochemical advanced oxidation processes (EAOPs) as alternative treatment techniques for carwash wastewater reclamation. *Chemosphere*, v. 211, p. 998-1006, 2018. **IF= 5.578**, <https://doi.org/10.1016/j.chemosphere.2018.08.044>
32. LÓPEZ-VIZCAÍNO, R.; DOS SANTOS, E.V.; YUSTRES, A.; RODRIGO, M.A.; NAVARRO, V.; MARTÍNEZ-HUITLE, C.A. Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. *Separation and purification technology*, v. 212, p. 376, 2018. **IF= 5.574**,

<https://doi.org/10.1016/j.seppur.2018.11.034>

33. PAIVA, S. S. M.; SILVA, I. B.; SANTOS, E. C. M. M.; ROCHA, I. M. V.; MARTÍNEZ-HUITLE, C. A.; DOS SANTOS, E. V.; Coupled electrochemical processes for the removing of dye in the soil and water. *Journal of The Electrochemical Society*. V. 165, p. 1-7, 2018. IF= 3.721, <http://dx.doi.org/10.1149/2.0391809jes>
34. F. ARAÚJO, K. C.; DE P. BARRETO, J. P.; CARDOZO, J. C.; DOS SANTOS, E. V.; ARAÚJO, D. M.; MARTÍNEZ-HUITLE, C. A. Sulfate pollution: evidence for electrochemical production of persulfate by oxidizing sulfate released by the surfactant sodium dodecyl sulfate. *Environmental Chemistry Letters*, 2018. 16, 647–652 (2018). IF= 5.922, <https://doi.org/10.1007/s10311-017-0703-6>
35. SILVA, K. N.O.; PAIVA, S. S.M.; SOUZA, F. L.; SILVA, D.R.; MARTÍNEZ-HUITLE, C. A.; SANTOS, E. V. Applicability of electrochemical technologies for removing and monitoring Pb<sup>2+</sup> from soil and water. *Journal of electroanalytical chemistry*, v.816, p.171 - 178, 2018. IF=3.807, <https://doi.org/10.1016/j.jelechem.2018.03.051>
36. SANTOS, E. V.; SAEZ, C.; CANIZARES, P.; M. A. Rodrigo; MARTINEZ-HUITLE, C. A. Coupling photo and sono technologies with BDD anodic oxidation for treating soil-washing effluent polluted with atrazine. *Journal of the electrochemical society*, v.5, p.262, 2018. IF= 3.721, <https://doi.org/10.1149/2.1281805jes>
37. DURAN, F. E.; ARAUJO, D. M.; BRITO, C. N.; DOS SANTOS, E. V.; MARTINEZ-HUITLE, C. A. Electrochemical technology effluent at pre-pilot plant scale by using active and non-active anodes. *Journal of electroanalytical chemistry*, v.818, p.216, 2018. IF=3.807, <https://doi.org/10.1016/j.jelechem.2018.04.029>
38. SANTOS, V. E.; SÁEZ, C.; Cañizares, P.; MARTÍNEZ-HUITLE, C.A.; RODRIGO, M.A. Reversible electrokinetic adsorption barriers for the removal of atrazine and oxyfluorfen from spiked soils. *Journal of Hazardous Materials*, v.322, p.413 - 420, 2017. IF=9.038, <https://doi.org/10.1016/j.jhazmat.2016.10.032>
39. SANTOS, V. E.; SÁEZ, C.; Cañizares, P.; MARTÍNEZ-HUITLE, C.A.; RODRIGO, M.A. Treating soil-washing fluids polluted with oxyfluorfen by sono-electrolysis with diamond anodes. *Ultrasonics Sonochemistry*, v.34, p.115 - 122, 2017. IF=6.513, <https://doi.org/10.1016/j.ultsonch.2016.05.029>
40. SANTOS, E. V.; SÁEZ, C.; CAÑIZARES, P.; DA SILVA, D. R.; MARTÍNEZ-HUITLE, C. A.; RODRIGO, M. A. Treatment of ex-situ soil-washing fluids polluted with petroleum by anodic oxidation, photolysis, sonolysis and combined approaches. *Chemical Engineering Journal*, v.310, p.581 - 588, 2017. IF=10.652, <https://doi.org/10.1016/j.cej.2016.05.015>
41. DOS SANTOS, E.V.; SÁEZ, C.; Cañizares, P.; MARTÍNEZ-HUITLE, C.A.; RODRIGO, M.A. UV assisted electrochemical technologies for the removal of oxyfluorfen from soil washing wastes. *Chemical engineering journal*, v.318, p.2 - 9, 2017. IF=10.652, <https://doi.org/10.1016/j.cej.2016.03.015>
42. DOS SANTOS, E.V.; SOUZA, F.; SAEZ, C.; Cañizares, P.; LANZA, M.R.V.; MARTINEZ-HUITLE, C.A.; RODRIGO, M.A. Application of electrokinetic soil flushing to four herbicides: A comparison. *Chemosphere*, v.153, p.205 - 211, 2016. IF= 5.578, <https://doi.org/10.1016/j.chemosphere.2016.03.047>
43. SANTOS, E. V.; SAEZ, C.; MARTINEZ-HUITLE, C. A.; CANIZARES, P.; RODRIGO, M. A. Removal of oxyfluorfen from ex-situ soil washing fluids using electrolysis with diamond anodes. *Journal of Environmental Management*, p.1 - 7, 2016. IF= 5.647, <https://doi.org/10.1016/j.jenvman.2016.01.027>
44. DOS SANTOS, ELISAMA VIEIRA; SÁEZ, CRISTINA; MARTÍNEZ-HUITLE, CARLOS ALBERTO; CAÑIZARES, PABLO; RODRIGO, MANUEL ANDRES. Combined soil washing and CDEO for the removal of atrazine from soils. *Journal of Hazardous Materials*, v.300, p.129 - 134, 2015. IF=9.038, <https://doi.org/10.1016/j.jhazmat.2015.06.064>
45. GARCIA-SEGURA, SERGI; VIEIRA DOS SANTOS, ELISAMA; MARTÍNEZ-HUITLE, CARLOS ALBERTO. Role of sp<sup>3</sup>/sp<sup>2</sup> ratio on the electrocatalytic properties of boron-doped diamond electrodes: A mini review. *Electrochemistry Communications*. v.59, p.52 - 53, 2015. IF= 4.333, <https://doi.org/10.1016/j.elecom.2015.07.002>
46. SANTOS, ELISAMA VIEIRA DOS; SÁEZ, CRISTINA; MARTÍNEZ-HUITLE, CARLOS A.; CAÑIZARES, PABLO; RODRIGO, MANUEL A. The role of particle size on the conductive diamond

- electrochemical oxidation of soil-washing effluent polluted with atrazine. *Electrochemistry Communications*. v.55, p.26, 2015. **IF= 4.333**, <https://doi.org/10.1016/j.elecom.2015.03.003>
47. SANTOS, E. V.; MEDEIROS, M. O.; ANJOS, A. S. D.; MARTÍNEZ-HUITLE, C.A.; SILVA, D. R. Application of electrochemical technologies to treat polluted soil by diesel. *Chemical engineering transactions*. v.41, p.10 - 157, 2014. <https://doi.org/10.3303/CET1441027>
48. ALMEIDA, C. C.; COSTA, P. R. F.; MELO, M. J. M.; SANTOS, E. V.; MARTINEZ-HUITLE, C. A. Application of Electrochemical Technology for Water Treatment of Brazilian Industry Effluents. *J MEX CHEM SOC*, v.58, p.276, 2014.
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## **5- PATENT**

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## **6 - BOOK**

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## 8 - CONFERENCES

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**9 - ADDITIONAL INFORMATION**

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