**PUBLICATIONS**

**ACCEPTED ARTICLE**

1. CAMPOS, S. B. G.; MARTINS, A. S. P.; SANTOS, A. K.; **Goulart, Marília O. F.**; Moura, F. A.

Lack of Concordance among Nutritional Diagnostic Methods in Newly Diagnosed Colorectal Cancer Patients. NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL. , 2021.

**ARTICLES**

1. XAVIER, J. A.; SANTOS, J. C.; NOVA, M. A. V.; GONCALVES, C. M.; BORBELY, K. S. C.; PIRES, K. S. N.; SANTOS, F. A. R.; VALENTIM, I. B.; BARBOSA, J. H. P.; SILVA, F. C.; SANTOS, J. C.; PINHO, D. R.; LOPES, N. P.; BORBELY, A. U.; **Goulart, Marília O. F.** Anti-Zika virus effects, placenta protection and chemical composition of Passiflora edulis seeds ethanolic extract. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY. , v.34, p.1 - 14, 2022.

2. MENDONCA, E. L. S. S.; FRAGOSO, M. B. T.; OLIVEIRA, J. M.; Xavier, J. A.; **Goulart, Marília O. F.**; OLIVEIRA, A. C. M.Gestational Diabetes Mellitus: The Crosslink among Inflammation, Nitroxidative Stress, Intestinal Microbiota and Alternative Therapies. ANTIOXIDANTS. v.11, p.129 - 170, 2022.

3. TANABE, ELOIZA; SANTOS, JAQUELINE; PIRES, KEYLA; NOVA, MONIQUE; BORBELY, KAREN; XAVIER, JADRIANE; SANTOS, FLÁVIA; SILVA, FELIPE; BARBOSA, JÚNIA; VALENTIM, IARA; SANTOS, JOSUÉ; **GOULART, MARÍLIA**; BORBELY, ALEXANDRE Beneficial in vitro effects of the passion fruit seed extract against placental Zika virus infection. PLACENTA. , v.112, p.e42 - e43, 2021.

4. FRAGOSO, M. B. T.; Ferreira, R.C.; TENORIO, M. C. S.; Moura, F. A.; ARAUJO, O. R. P.; BUENO, N.; **Goulart MOF**; OLIVEIRA, A. C. M. Biomarkers of Inflammation and Redox Imbalance in Umbilical Cord in Pregnancies with and without Preeclampsia and Consequent Perinatal Outcomes. OXIDATIVE MEDICINE AND CELLULAR LONGEVITY (ONLINE). v.2021, p.1 - 17, 2021.

5. SILVA, T. L.; NASCIMENTO, T. A.; ALMEIDA, A. K. A.; MELO, S. M. G.; SILVA, J. C. S.; XAVIER, J. A.; Xavier, A.F.A.; SANTOS, D. C.; WADHAWAN, J.; EMERY, F. S.; **GOULART, M.O.F.** Decorating BODIPY with electron-withdrawing NO group: spectroelectrochemical consequences and computational investigation. ChemElectroChem. , v.8, p.2921 - 2934, 2021.

6. SANTOS, A. C. F.; ARAUJO, O. R. P.; Moura, F. A.; KHAN, S.; Tanaka, A.; SANTANA, A. E. G.; Pividori, M.I.; TABOADA-SOTOMAYOR, M. P.; **GOULART, M.O.F.** Development of magnetic nanoparticles modified with new molecularly imprinted polymer (MIPs) for selective analysis of glutathione. SENSORS AND ACTUATORS B-CHEMICAL. , v.344, p.130171 - , 2021.

7. MARTINS, A. S. P.; CAMPOS, S. B. G.; **Goulart, Marília O. F.**; Moura, F. A. Extraintestinal manifestations of inflammatory bowel disease, nitroxidative stress and dysbiosis: what is the link between them?. BIOCELL. , v.45, p.461 - 481, 2021.

8. TALL, AMIDOU; ANTÔNIO CUNHA, FRANCISCO; KABORÉ, BOUKARÉ; D'ANGELES DO E. S. BARBOSA, CINTYA; ROCHA, UÉSLEN; SALES, TASSO O.; **FONSECA GOULART, MARÍLIA O.**; Tapsoba, Issa; CARINHANHA CALDAS SANTOS, JOSUÉ. Green emitting N, P-doped carbon dots as efficient fluorescent nanoprobes for determination of Cr(VI) in water and soil samples. MICROCHEMICAL JOURNAL. , v.166, p.106219 - , 2021.

9. CAMPOS, S. B. G.; MARTINS, A. S. P.; SANTOS, A. K.; **GOULART, M.O.F.**; Moura, F. A.

Interleukin-6 and triceps skinfold are associated with severity cancer stage in newly diagnosed colorectal cancer patients. Nutricion Hospitalaria. , v.38, p.1034 - 1039, 2021.

10. PACHECO, J. S.; COSTA, D.; CUNHA-JUNIOR, E.; ANDRADE NETO, V.; FAIRLAMB, A.; WYLLIE, S.; **Goulart, Marilia O. F.**; SANTOS, D. C.; SILVA, T. L.; ALVES, M.; COSTA, P. R. R.; DIAS, A.; TORRES-SANTOS, E. C. Monocyclic Nitro-heteroaryl Nitrones with Dual Mechanism of Activation: Synthesis and Antileishmanial Activity. ACS Medicinal Chemistry Letters. v.12, p.1405 - 1412, 2021.

11. TENORIO, M. C. S.; GRACILIANO, N. G.; OLIVEIRA, A. C. M.; Moura, F. A.; **GOULART, M.O.F.** N-acetylcysteine (NAC): Impacts on Human Health. ANTIOXIDANTS. , v.10, p.967 - , 2021.

12. Oliveira, M.B.S.; VALENTIM, I. B.; ROCHA, T. S.; XAVIER, J. A.; FERRO, J. N. S.; Barreto, E. O.; SANTANA, A. E. G.; MELO, L. V.; Bottoli, C.B.G.; **Goulart, Marília O.F.** Photoprotective and antiglycation activities of non-toxic Cocos nucifera Linn. (Arecaceae) husk fiber ethanol extract and its phenol chemical composition. INDUSTRIAL CROPS AND PRODUCTS. , v.162, p.113246 - , 2021.

13. BOTELHO, RAYANE M.; SANTOS, JAQUELINE C.; PIRES, KEYLA S.N.; NOVA, MONIQUE A.V.; GONÇALVES, CAMILLA M.; BORBELY, KAREN S.C.; OLIVEIRA, MÔNIKA B.S.; VALENTIM, IARA B.; ROCHA, TAUANE S.; **Goulart, Marília O.F.**; BORBELY, ALEXANDRE U.

Schinus terebenthifolius Raddi extracts protect the placenta against Zika virus infection. PLACENTA. , v.112, p.e42 - e43, 2021.

14. LUCAS, M.; FREITAS, M.; XAVIER, J. A.; Moura, F. A.; **Oliveira Fonseca Goulart, Marilia**; RIBEIRO, D.; FERNANDES, E. The scavenging effect of curcumin, piperine and their combination against physiological relevant reactive pro-oxidant species using in vitro non-cellular and cellular models. CHEMICAL PAPERS. , v.75, p.5269 - 5277, 2021.

15. XAVIER, J. A.; SILVA, T. L.; TORRES-SANTOS, E. C.; DE VASCONCELOS, CAMILA CALADO; BOANE, A.; SANTOS, R. A.; Xavier, A.F.A.; **Goulart, Marília Oliveira Fonseca.** Unveiling the relevance of the redox character of nitroaromatic and nitroheteroaromatic compounds as potential medicines. CURRENT OPINION IN ELECTROCHEMISTRY. , v.29, p.100740 - , 2021.

16. da Silva, L. V.; SANTOS, N. D.; ALMEIDA, A. K. A.; SANTOS A, D. E. R.; SANTOS, A. C. F.; FRANCA, M. C.; Lima, D.J.P.; LIMA, P. R.; **Goulart, Marília O. F.**A new electrochemical sensor based on oxidized capsaicin/multi-walled carbon nanotubes/glassy carbon electrode for the quantification of dopamine, epinephrine, and xanthurenic, ascorbic and uric acids. JOURNAL OF ELECTROANALYTICAL CHEMISTRY. , v.881, p.114919 - , 2020.

17. **Oliveira Fonseca Goulart, Marilia**; SILVA, T. L.; SANTOS, D. C.; SILVA, F. C.; XAVIER, J. A. Bioeletroquímica: Faces e interfaces de uma ciência interdisciplinar. CIÊNCIA HOJE. , v.364, p.10 - 13, 2020.

18. Ferreira, R.C.; TENORIO, M. B.; TENORIO, M. C. S.; MARTINS, A. S. P.; BORBELY, A. U.; Moura, F. A.; **GOULART, MARÃ­LIA OLIVEIRA FONSECA**; OLIVEIRA, A. C. M. Biomarkers of placental redox imbalance in pregnancies with preeclampsia and consequent perinatal outcomes. ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. , v.691, p.108464 - , 2020.

19. BRAGA, A. V.; SILVA, R. R. L.; RODRIGUES, I. B.; MARQUES, G. V. L.; XAVIER, A. F. A.; BOANE, A.; PAIVA, M. R. B.; FRANCO, P. H. C.; RODRIGUES, F. F.; MELO, I. S. F.; CUNHA JUNIOR, A. S.; CESAR, I. C.; **GOULART, M.O.F.**; OLIVEIRA, R. B.; COELHO, M. M.; MACHADO, R. R. Electrochemical evidence of nitrate release from the nitrooxy compound 4-((nitrooxy) methyl)-3-nitrobenzoic acid and its antinociceptive and anti-inflammatory activities in mice. BIOMEDICINE & PHARMACOTHERAPY. , v.133, p.110913 - , 2020.

20. SILVA, J. V. F.; FERREIRA, R. C.; TENORIO, M. B.; TENORIO, M. C. S.; SILVEIRA, J. A. C.; AMARAL, A. C. M.; **Goulart, Marilia O. F.**; MOURA, FABIANA ANDRÉA; de Oliveira, A.C.

Hyperferritinemia worsens the perinatal outcomes of conceptions of pregnancies with preeclampsia. Pregnancy Hypertension-An International Journal of Womens Cardiovascular Health. , v.19, p.233 - 238, 2020.

21. SANTOS, A. C. F.; LUZ, R. C. S.; Damos, F. S.; SANTANA, A. E. G.; PESSOA, D. G.; NAVARRO, M.; **Oliveira Fonseca Goulart, Marilia** Lipoic acid as an efficient and versatile redox catalyst for the electroanalysis of N-acetylcysteine: effects of the electrode nature and insights into the catalytic mechanism. JOURNAL OF SOLID STATE ELECTROCHEMISTRY. , v.24, p.1835 - 1843, 2020.

22. GUIMARAES, D. G.; Gonsalves, A. A.; ROLIM, L. A.; ARAUJO, E. C.; SANTO, V. L. A.; SILVA, M. F. S.; OLIVEIRA, F. C. E.; COSTA, M. P.; PESSOA, C.; **GOULART, MARIÌ'LIA O. F.**; SILVA, T. L.; SANTOS, D. C.; Araujo, C.R.M. Naphthoquinone-based hydrazone hybrids: synthesis and potent activity against cancer cell lines. Medicinal Chemistry. , v.17, p.945 - 955, 2020.

23. SILVA, V. C.; SILVA, A.; BASILIO, J.; Xavier, J. A.; NASCIMENTO, T.; NAAL, R.; LAMA, M.; LEONELO, L.; MERGULHAO, N.; MARANHAO, F.; WANDERLEI, D.; OWEN, R.; DUARTE, I.; BULHOES, L.; BASILIO, I.; **Oliveira Fonseca Goulart, Marilia** New Insights for Red Propolis of Alagoas: Chemical Constituents, Topical Membrane Formulations and Their Physicochemical and Biological Properties. MOLECULES. , v.25, p.5811 - 5834, 2020.

24. EMERY, F. S.; REZENDE, L.; **Goulart, Marília O. F.**; PETRILLI, R.; LOPEZ, R. Nitrosation of BODIPY dyes and their applications in the development of thiol sensors. DYES AND PIGMENTS. , v.173, p.107885 - , 2020.

25. Ferreira, R.C.; TENORIO, M. B.; BUENO, N.; **GOULART, MARÃ­LIA O. F.**; OLIVEIRA, A. C. M. Oxidative stress markers in preeclamptic placentas: a systematic review with meta-analysis. PLACENTA. , v.89, p.89 - 100, 2020.

26. FREIRES, A. S.; BOTELHO, C. N.; SILVA, S. M.; **GOULART, MARÃ­LIA O. F.**; Damos, F. S.; LUZ, R. C. S. Photoelectrochemical biosensor for 1,4-dihydroxybenzene based on copper sulfide and horseradish peroxidase enzyme: Application in skin cream samples. MICROCHEMICAL JOURNAL. , v.159, p.105487 - , 2020.

27. TALL, A.; COSTA, K. R.; OLIVEIRA, M. J.; Tapsoba, I.; ROCHA, U.; SALES, T. O.; **Goulart, Marília O.F.**; Santos, J.C.C. Photoluminescent nanoprobes based on thiols capped CdTe quantum dots for direct determination of thimerosal in vaccines. TALANTA. , v.221, p.121545 - , 2020.

28. Ferreira, R.C.; TENORIO, M. B.; TENORIO, M. C. S.; SILVA, J. V. F.; BUENO, N.; **GOULART, MARÃ­LIA OLIVEIRA FONSECA**; OLIVEIRA, A. C. M. Pre-eclampsia is associated with later kidney chronic disease and end-stage renal disease: systematic review and meta-analysis of observational studies. Pregnancy Hypertension-An International Journal of Womens Cardiovascular Health. , v.22, p.71 - 85, 2020.

29. SILVA, T. L.; AZEVEDO, M. L. G.; FERREIRA, F. R.; SANTOS, D. C.; AMATORE, C.; **GOULART, M.O.F.** Quinone-based molecular electrochemistry and their contributions to medicinal chemistry: a look at the present and future. CURRENT OPINION IN ELECTROCHEMISTRY. , v.24, p.79 - 87, 2020.

30. Oliveira, M.B.S.; VALENTIM, I. B.; ROCHA, T. S.; SANTOS, J. C.; PIRES, K. S. N.; TANABE, E. L. L.; BORBELY, K. S. C.; BORBELY, A. U.; **F.GOULART, MARÍLIA O.** Schinus terebenthifolius Raddi extracts: from protection of the placenta to Zika virus infection toward sunscreen activity. New uses for a well-known medicinal plant. INDUSTRIAL CROPS AND PRODUCTS. , v.152, p.112503 - , 2020.

31. ALMEIDA, R. G.; VALENCA, W. O.; ROSA, L. G.; SIMONE, C. A.; CASTRO, S. L.; BARBOSA, J. M. C.; PINHEIRO, D. P.; PAIER, C. R. K.; CARVALHO, G. G. C.; PESSOA, C.; **Goulart MOF**; KHARMA, A.; da Silva J., E. N. Synthesis of quinone imine and sulphur-containing compounds with antitumor and trypanocidal activities: redox and biological implications. Rsc Medicinal Chemistry. , v.11, p.1145 - 1160, 2020.

32. Moura, F. A.; **GOULART, M. O. F.**; CAMPOS, S. B. G.; MARTINS, A. S. P. The Close interplay of nitro-oxidative stress, advanced glycation end products and inflammation in inflammatory bowel diseases. CURRENT MEDICINAL CHEMISTRY. , v.27, p.2059 - 2076, 2020.

33. SILVA, M. M.; DANTAS, M. D. A.; SILVA FILHO, R. C.; SALES, M. V. S.; Xavier, J. A.; LEITE, A. C. R.; **Goulart, Marilia**; GRILLO, L. A. M.; BARROS, W. A.; de Fatima, A.; FIGUEIREDO, I. M.; Santos, J.C.C. Toxicity of thimerosal in biological systems: conformational changes in human hemoglobin, decrease of oxygen binding capacity, increase of protein glycation and amyloid’s formation. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. , v.154, p.661 - 671, 2020.

34. **O. F. GOULART, MARÍLIA** Uma vida científica em contínua caminhada. CIÊNCIA HOJE. , v.Agosto2020, p.1 - 2, 2020.

35. **O. F. GOULART, MARÍLIA**; B. DOS SANTOS, MONIKA; A. XAVIER, JADRIANE; F. SANTOS, ANA CAROLINE; A. MOURA, FABIANA. Biomarkers of oxidative/nitrosative/carbonyl stress: how important are they and where to go in their analyses?. Brazilian Journal of Analytical Chemistry - BrJAC (Online). , v.6, p.12 - 13, 2019.

36. TENORIO, M. B.; Ferreira, R.C.; Moura, F. A.; BUENO, N.; **Goulart, Marília O. F.**; de Oliveira, A.C. Cross-Talk between Oxidative Stress and Inflammation in Preeclampsia. Oxidative Medicine and Cellular Longevity. , v.2019, p.1 - 26, 2019.

37. SILVA, T. L.; SILVA, J. C. S.; Lima, D.J.P.; FERREIRA, F. R.; Vasconcelos, C.C.; SANTOS, D. C.; NETTO, C. D.; COSTA, P. R. R.; **Goulart, Marília O. F.**Medicinal Electrochemistry of Halogenated and Nitrated Pterocarpanquinones. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY. , v.30, p.2438 - 2451, 2019.

38. BOMBACA, A. C. S.; VIANA, P. G.; SANTOS, A. C. C.; SILVA, T. L.; GUIMARAES, A. C. R.; **GOULART, M. O. F.**; da Silva J., E. N.; MENNA-BARRETO, R. F. S. Mitochondrial disfunction and ROS production are essential for anti-Trypanosoma cruzi activity of &#946;-lapachone-derived naphthoimidazoles. FREE RADICAL BIOLOGY AND MEDICINE. , v.130, p.408 - 418, 2019.

39. FONSECA, L. J. S.; Nunes-Souza, V.; **Oliveira Fonseca Goulart, Marilia**; Rabelo, L. A.

Oxidative stress in rheumatoid arthritis: what the future might hold regarding novel biomarkers and add-on therapies?. Oxidative Medicine and Cellular Longevity. , v.2019, p.ID 7536805 - 16 pg, 2019.

40. LIMA, F. M. R.; SILVA, S. M.; FREIRES, A. S.; **Goulart, Marília Oliveira Fonseca**; Damos, F. S.; LUZ, R. C. S. Photoelectrochemical platform for sensing propyl gallate in edible oil samples based on CdTe quantum dots and poly(D-glucosamine). JOURNAL OF SOLID STATE ELECTROCHEMISTRY. , v.23, p.725 - 734, 2019.

41. SOUSA, K. A. P.; LIMA, F. M. R.; MONTEIRO, T. O.; SILVA, S. M.; PEREIRA, N. M.; Damos, F. S.; LUZ, R. C. S.; **GOULART, MARÍLIA OLIVEIRA F.** Amperometric Photosensor Based on Acridine Orange/TiO2 for Chlorogenic Acid Determination in Food Samples. Food Analytical Methods. , v.11, p.2731 - 2741, 2018.

42. JARDIM, GUILHERME; OLIVEIRA, WILLIAN XERXES COELHO; FREITAS, ROSSIMIRAM; MENNA-BARRETO, RUBEM F. S.; SILVA, THAISSA; **GOULART, M.O.F.**; da Silva Júnior, Eufrânio N. Direct sequential C-H iodination/organoyl-thiolation for benzenoid A-ring modification of quinonoid deactivated systems: A new protocol for potent trypanocidal quinones. ORGANIC & BIOMOLECULAR CHEMISTRY. , v.16, p.1686 - 1691, 2018.

43. Katherine Lozano; FERREIRA, F. R.; DA SILVA, E. G.; dos Santos, R.C.; **GOULART, M.O.F.**; SOUZA, S. T.; FONSECA, E. J. S.; YANEZ, C.; SIERRA-ROSALES, P.; de Abreu, Fabiane Caxico Electrochemical and associated techniques for the study of the inclusion complexes of thymol and &#946;-cyclodextrin and its interaction with DNA. JOURNAL OF SOLID STATE ELECTROCHEMISTRY. , v.22, p.1483 - 1493, 2018.

44. TENORIO, M. B.; FERREIRA, R. C.; MOURA, FABIANA ANDRÉA; BUENO, N.; de Oliveira, A.C.; **GOULART, M.O.F.** Oral antioxidant therapy for prevention and treatment of preeclampsia: meta-analysis of randomized controlled trials. NUTRITION METABOLISM AND CARDIOVASCULAR DISEASES. , v.28, p.865 - 876, 2018.

45. da Silva, L. V.; ALMEIDA, ANDRESA K.A.; XAVIER, J. A.; Lopes, C.B.; Silva, F.A.S.; LIMA, P.R.; SANTOS, N. D.; Kubota, L.T.; **GOULART, MARÍLIA OLIVEIRA F.** Phenol based redox mediators in electroanalysis. JOURNAL OF ELECTROANALYTICAL CHEMISTRY. , v.827, p.230 - 252, 2018.

46. DE PAIVA, YEN; SILVA, THAISSA; XAVIER, ANDRÉ; CARDOSO, MARIANA; DA SILVA, FERNANDO; SILVA, MARIA; PINHEIRO, DANIEL; Pessoa, Claudia; FERREIRA, VITOR; **Goulart, Marilia** Relationship between Electrochemical Parameters, Cytotoxicity Data against Cancer Cells of 3-Thio-Substituted Nor-Beta-Lapachone Derivatives. Implications for Cancer Therapy. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY (ONLINE). , v.30, p.658 - 672, 2018.

47. Torres N; XAVIER, J. A.; **Goulart, Marília O. F.**; ALVES, R. B.; FREITAS, R. P. The Chemistry of Advanced Glycation End-products. REVISTA VIRTUAL DE QUÍMICA. , p.375 - 392, 2018.

48. **GOULART, MARÍLIA**; DE FREITAS, ROSSIMIRIAM. Celebrating the 40th Anniversary of Brazilian Chemical Society (SBQ): Retrospective and Perspectives. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY. , v.28, p.1349 - 1350, 2017.

49. da Silva, L. V.; Lopes, C.B.; da Silva, W. C.; de Paiva, Y.G.; Silva, F.A.S.; LIMA, P.R.; Kubota, L.T.; **Goulart, Marília Oliveira Fonseca.** Electropolymerization of ferulic acid on multi-walled carbon nanotubes modified glassy carbon electrode as a versatile platform for NADH, dopamine and epinephrine separate detection. MICROCHEMICAL JOURNAL.v.133, p.460 - 467, 2017.

50. CAMATARI, FABIANA OLIVEIRA DOS SANTOS; SANTANA, LUCIANA CRISTINA LINS DE AQUINO; CARNELOSSI, MARCELO AUGUSTO GUTIERREZ; ALEXANDRE, ALLANA PATRÍCIA SANTOS; NUNES, MARIA LUCIA; **Goulart, Marília Oliveira Fonseca**; NARAIN, NARENDRA; SILVA, MARIA APARECIDA AZEVEDO PEREIRA DA Impact of edible coatings based on cassava starch and chitosan on the post-harvest shelf life of mango (Mangifera indica) -Tommy Atkins’ fruits. Food Science and Technology. , v.38, p.86 - 95, 2017.

51. RIBEIRO, IAL; YUTSUMOTO-NETO, S.; SANTOS, W. T. P.; FERNANDES, R. N.; **Goulart, Marília Oliveira Fonseca**; Damos, F. S.; LUZ, R. C. S. Improved NADH Electroanalysis on Nickel(II) Phthalocyanine Tetrasulfonic Acid/ Calf Thymus Deoxyribonucleic Acid/Reduced Graphene Oxide Composite. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY. , p.1768 - 1778, 2017.

52. Xavier, J. A.; VALENTIM, I. B.; CAMATARI, F. O. S.; ALMEIDA, A. M. M.; GOULART, H. F.; FERRO, J. N. S.; BARRETO, E. O.; Cavalcanti, B.C.; BOTTOLI, C. B. G.; **Goulart MOF.** Polyphenol profile by UHPLC-MS/MS, anti-glycation, antioxidant and cytotoxic activities of several samples of propolis from the northeastern semi-arid region of Brazil. PHARMACEUTICAL BIOLOGY. , v.55, p.1884 - 1893, 2017.

53. JARDIM, GUILHERME A.M.; SILVA, THAISSA L.; **Goulart, Marilia O.F.**; De Simone, Carlos A.; BARBOSA, JULIANA M.C.; SALOMÃO, KELLY; DE CASTRO, SOLANGE L.; BOWER, JOHN F.; da Silva Júnior, Eufrânio N. Rhodium-catalyzed C-H bond activation for the synthesis of quinonoid compounds: Significant Anti- Trypanosoma cruzi activities and electrochemical studies of functionalized quinones. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY. , v.136, p.406 - 419, 2017.

54. SILVA, L. V. DA; SILVA, F. A. S.; KUBOTA, L. T.; LOPES, C. B.; LIMA, P. R.; COSTA, E. O.; PINHO JÚNIOR, W.; **GOULART, M. O. F.** Amperometric sensor based on carbon nanotubes and electropolymerized vanillic acid for simultaneous determination of ascorbic acid, dopamine, and uric acid. JOURNAL OF SOLID STATE ELECTROCHEMISTRY. , v.20, p.2389 - 2393, 2016.

55. Almeida, A. M. M.; Oliveira, M.B.S.; Valentim, I.B.; da Costa, J.G.; **Goulart, Marília Oliveira Fonseca** Antioxidant Capacity, Physicochemical and Floral Characterization of Honeys from the Northeast of Brazil. Revista Virtual de Química. , v.8, p.57 - 77, 2016.

56. CAMATARI, F. O. S.; LOPES, K. H.; Valentim, Iara Barros; XAVIER, J. A.; da Costa, J.G.; Santana, Antônio Euzébio G.; **GOULART, MARÍLIA OLIVEIRA F.** Antioxidant Potential of Flours from Cereals, Tubers, Beans and Seeds Chemical Profile of Curcuma longa Flour. JOURNAL OF NUTRITION & FOOD SCIENCES. , v.06, p.1000483 - , 2016.

57. RIBEIROA, C. M.; MIGUEL, E. M.; SILVA, J. S.; SILVA, C. B.; Kubota, Lauro Tatsuo; GONZAGA, F. B.; Santos, W. J. R.; LIMA, P.R.; **Goulart MOF** Application of a nanostructured platform and imprinted sol-gel film for determination of chlorogenic acid in food samples. TALANTA. , v.156, p.119 - 125, 2016.

58. Moura, F. A.; de Andrade, K.Q.; ARAUJO, O. R. P.; Nunes-Souza, V.; Santos, J.C.F.; Rabelo, L. A.; **Goulart, Marília Oliveira Fonseca** Colonic and Hepatic Modulation by Lipoic Acid and/or N-Acetylcysteine Supplementation in Mild Ulcerative Colitis Induced by Dextran Sodium Sulfate in Rats. Oxidative Medicine and Cellular Longevity. , v.2016, p.1 - 18, 2016.

59. BARBOSA, J. H. P.; TORRES, I; SANTANA, A. E. G.; **Goulart, Marília O. F.** DETERMINATION OF ADVANCED GLYCATION (AGEs) AND LIPOXIDATION (ALEs) END PRODUCTS IN FOODS AND BIOLOGICAL SYSTEMS: ADVANCES, CHALLENGES AND PERSPECTIVES. QUIMICA NOVA. , v.39, p.608 - 620, 2016.

60. DE VASCONCELLOS, MARNE CARVALHO; DE OLIVEIRA COSTA, CÍCERO; DA SILVA TERTO, EMANUELLA GOMES; de Moura, Maria Aline F.B.; DE VASCONCELOS, CAMILA CALADO; de Abreu, Fabiane Caxico; DE LEMOS, TELMA LEDA GOMES; COSTA-LOTUFO, LETÍCIA VERAS; Montenegro, Raquel Carvalho; **Goulart, Marília Oliveira Fonseca** Electrochemical, spectroscopic and pharmacological approaches toward the understanding of biflorin DNA damage effects. JOURNAL OF ELECTROANALYTICAL CHEMISTRY. , v.765, p.168 - 178, 2016.

61. **Goulart, Marília Oliveira Fonseca**; SILVA, T. L.; XAVIER, J. A.; FERREIRA, F. R.; GONTIJO V; FREITAS, R. P. Lipoic acid-derived amides: synthesis, electrochemical studies, antioxidant and anti-glycation activities. Journal of International Society of Antioxidants in Nutrition & Health. , v.3, p.1312 - 1313, 2016.

62. GONTIJO, T. B.; FREITAS, R. P.; LIMA, G. F.; REZENDE, L. C. D.; PEDROSA, L. F.; SILVA, T. L.; **Goulart, Marília Oliveira Fonseca**; Cavalcanti, B. C.; PESSOA, C.; BRUNO, M. P.; CORREIA, J. R.; Emery, F.S.; SILVA JUNIOR, E. N.Novel fluorescent lapachone-based BODIPY: Synthesis, computational and electrochemical aspects, and subcellular localization of a potent antitumour hybrid quinone. CHEMICAL COMMUNICATIONS. , v.52, p.13281 - 13284, 2016.

63. SILVA, THAISSA L.; FERREIRA, FABRICIA R.; DE'VASCONCELOS, CAMILA C.; DA'SILVA, ROSANNY CHRISTHINNY; LIMA, DIMAS JOSÉ DA P.; COSTA, PAULO R. R.; NETTO, CHAQUIP D.; **Goulart, Marília O. F.** Reactive Oxygen Species Release, Alkylating Ability, and DNA Interactions of a Pterocarpanquinone: A Test Case for Electrochemistry. ChemElectroChem. , v.3, p.2252 - 2263, 2016.

64. SANTOS, A. C. F.; Moura, F. A.; Tanaka, A.; LUZ, R. C. S.; Damos, F. S.; Kubota, L.T.; **Goulart, Marília Oliveira Fonseca** Sensitive Electroanalytical Detection on GCE: the Case of Lipoic Acid and its Interaction with N-acetylcysteine and Glutathione. ELECTROANALYSIS. , v.28, p.2818 - 2826, 2016.

65. DE CARVALHO DA SILVA, FERNANDO; DOMINGUES VARGAS, MARIA; **OLIVEIRA FONSECA GOULART, MARÍLIA** XV Workshop Coordinators Postgraduate Studies in Chemistry. Revista Virtual de Química. , v.8, p.1790 - 1791, 2016.

66. Moura, F. A.; de Andrade, K.Q.; Santos, J.C.F.; ARAUJO, O. R. P.; **Goulart, Marilia O. F.**

Antioxidant therapy for treatment of inflammatory bowel disease: does it work?. Redox biology. , v.6, p.617 - 639, 2015.

67. de Souza, N.B.; Aguiar, A.C.C.; de Oliveira, A.C.; Top, S.; Pigeon, P; Jaouen, G.; **Oliveira Fonseca Goulart, Marilia**; KRETTLI, A. U. Antiplasmodial activity of iron(II) and ruthenium(II) organometallic complexes against Plasmodium falciparum blood parasites. Memórias do Instituto Oswaldo Cruz. , v.110, p.1 - 8, 2015.

68. Rabelo, Luiza A.; FERREIRA, FERNANDA O.; NUNES-SOUZA, VALÉRIA; FONSECA, LUCAS JOSÉ SÁ DA; **Goulart, Marília O. F.**Arginase as a Critical Prooxidant Mediator in the Binomial Endothelial Dysfunction-Atherosclerosis. Oxidative Medicine and Cellular Longevity (Print). , v.2015, p.1 - 12, 2015.

69. SANTOS, JULIANA CÉLIA F.; DE ARAÚJO, ORLANDO R. P.; VALENTIM, IARA B.; DE ANDRADE, KÍVIA QUEIROZ; MOURA, FABIANA ANDRÉA; SMANIOTTO, SALETE; DOS SANTOS, JOHN MARQUES; GASPAROTTO, JUCIANO; GELAIN, DANIEL P.; **Goulart, Marília O. F.** Choline and Cystine Deficient Diets in Animal Models with Hepatocellular Injury: Evaluation of Oxidative Stress and Expression of RAGE, TNF- <i>&#945;</i> , and IL-1 <i>&#946;</i>. Oxidative Medicine and Cellular Longevity (Print). , v.2015, p.1 - 11, 2015.

70. Lopes, Cleylton Bezerra; Silva, Francisco de Assis dos Santos; Lima, Phabyanno Rodrigues; de Freitas, P. D.; Sousa, J. S.; Kubota, Lauro Tatsuo; **Goulart, Marília O. F.** Electrocatalytic activity of activated niclosamide on multi-walled carbon nanotubes glassy carbon electrode toward NADH oxidation. Journal of Solid State Electrochemistry. , v.19, p.2819 - 2829, 2015.

71. Silva, M.S.; DIAS, A. C. M. S.; SILVA, B. V. M.; GOMES-FILHO, S. L. R.; Kubota, Lauro Tatsuo; **Goulart, Marilia O. F.**; Dutra, R.F. Electrochemical detection of dengue virus NS1 protein with a poly(allylamine/carbon nanotube layered immunoelectrode. JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY. , v.90, p.194 - 200, 2015.

72. de Paiva, Y.G.; Ferreira, Fabricia da Rocha; SILVA, T. L.; Labbe, E; BURIEZ, O.; AMATORE, C.; **Goulart, Marilia O. F.** Electrochemically Driven Supramolecular Interaction of Quinones and Ferrocifens: An Example of Redox Activation of Bioactive Compounds. Current Topics in Medicinal Chemistry (Print). , v.15, p.136 - 162, 2015.

73. Moura, F. A.; Queiroz, K.; Santos, J.C.F.; **Goulart, Marilia O.F.** Lipoic Acid: its Antioxidant and Anti-Inflammatory Role and Clinical Applications. Current Topics in Medicinal Chemistry (Print). , v.15, p.1 - 1, 2015.

74. Lima, Estelita Pereira; **Goulart, Marília Oliveira Fonseca**; ROLIM NETO, MODESTO LEITE

Meta-analysis of studies on chemical, physical and biological agents in the control of Aedes aegypti. BMC Public Health (Online). , v.15, p.858 - 868, 2015.

75. JARDIM, G. A. M.; REIS, W. J.; RIBEIRO, M. F.; OTTONI, F. M.; ALVES, R. J.; SILVA, T. L.; **Goulart, Marilia O.F.**; BRAGA, A. L.; MENNA-BARRETO, R. F. S.; Salomão K; CASTRO, S. L.; SILVA JUNIOR, E. N. On the Investigation of Hybrid Quinones: Synthesis, Electrochemical Studies and Evaluation of Trypanocidal Activity. RSC Advances: an international journal to further the chemical sciences. , v.5, p.78047 - 78060, 2015.

76. de Melo, I.S.V.; dos Santos, A.F.; de Lemos, TLG; **GOULART, MARÍLIA OLIVEIRA F.**; SANTANA, A. E. G. Oncocalyxone A Functions As an Anti-Glycation Agent In Vitro. Plos One. , v.10, p.e0131222 - , 2015.

77. de Andrade, K.Q.; Moura, F. A.; dos Santos, J. M.; DE ARAÚJO, ORLANDO R. P.; Santos, J.C.F.; **Goulart, Marília O. F.** Oxidative Stress and Inflammation in Hepatic Diseases: Therapeutic Possibilities of N-Acetylcysteine. International Journal of Molecular Sciences (Online). , v.16, p.30269 - 30308, 2015.

78. DIAS, G. G.; RODRIGUES, B. L.; RESENDE, J. M.; CALADO, H. D. R.; SIMONE, C. A.; SILVA, V. H. C.; D. NETO, B. A.; FERREIRA, F. R.; MEIRA, A. S.; PESSOA, C.; CORREA, J. R.; SILVA JUNIOR, E. N.; **Goulart, Marília Oliveira Fonseca** Selective Endocytic Trafficking in Live Cells with Fluorescent Naphthoxazoles and their Boron Complexes. CHEMICAL COMMUNICATIONS (LONDON. 1996. ONLINE). , v.51, p.9141 - 9144, 2015.

79. Silva, M.S.; Dias, A.M.S.C; Mariano, M.H.Q.A; **GOULART, MARÃ­LIA OLIVEIRA FONSECA**; Dutra, R.F. A thiophene-modified screen printed electrode for detection of dengue virus NS1 protein. Talanta (Oxford). , v.128, p.505 - 510, 2014.

80. ALMEIDA, ANDRESA K.A.; DIAS, JÉSSICA M.M.; SILVA, ANA JULIA C.; SANTOS, DIEGO P.; Navarro, Marcelo; TONHOLO, JOSEALDO; **Goulart, Marília O.F.**; RIBEIRO, ADRIANA S.

Conjugated and fluorescent polymer based on dansyl-substituted pyrrole prepared by electrochemical polymerization in acetonitrile containing boron trifluoride diethyl etherate. Electrochimica Acta. , v.122, p.50 - 56, 2014.

81. de Paiva, Y.G.; Pinho Jr., W.; SOUZA, A. A.; COSTA, C. O.; SILVA, F. P. L.; LIMA-JUNIOR, C. G.; Vasconcellos, M.; **GOULART, MARIÌ'LIA O. F.** Electrochemical and computational studies, in protic medium, of Morita-Baylis-Hillman adducts and correlation with leishmanicidal activity. Electrochimica Acta. , v.140, p.557 - 563, 2014.

82. MOREIRA, DIOGO R. M.; DE SÁ, MATHEUS S.; MACEDO, TAÍS S.; MENEZES, MARIA N.; Reys, José Rui M.; SANTANA, ANTÔNIO E. G.; SILVA, THAISSA L.; MAIA, GABRIELA L. A.; BARBOSA-FILHO, JOSÉ M.; CAMARA, CELSO A.; DA SILVA, TANIA M. S.; DA SILVA, KATIA N.; GUIMARAES, ELISALVA T.; DOS SANTOS, RICARDO R.; **Goulart, Marília O. F.**; SOARES, MILENA B. P. Evaluation of naphthoquinones identified the acetylated isolapachol as a potent and selective antiplasmodium agent. Journal of Enzyme Inhibition and Medicinal Chemistry (Print). , v.30, p.1 - 7, 2014.

83. Lima, E. P.; **GOULART, MARIÌ'LIA O. F.**; Rolim Neto, M. L. Evaluation of the role of ATP-binding cassette transporters as a defence mechanism against temephos in populations of Aedes aegypti. Memórias do Instituto Oswaldo Cruz (Impresso). , v.109, p.964 - 966, 2014.

84. de Oliveira, A.C.; DA SILVA, E. G.; Rocha, D.D.; Elizabeth Hillard; Pigeon, P; Jaouen, G.; RODRIGUES, F. A. R.; Ferreira, Fabricia da Rocha; de Abreu, Fabiane C.; **Goulart, Marília Oliveira Fonseca**; Costa-Lotufo, L. V. Molecular Mechanism of Action of 2-Ferrocenyl-1,1-diphenylbut-1-ene on HL-60 Leukemia Cells. Chemmedchem (Print). , v.9, p.2580 - 2586, 2014.

85. Armendáriz-Vidales, G.; Hernández-Muñoz, L. S.; González, F. J.; de Souza, A.A.; de Abreu, Fabiane C.; JARDIM, G. A. M.; da Silva Jr., E.N.; **GOULART, MARIÌ'LIA O. F.**; Frontana, C. On the Nature of Electrogenerated Intermediates in Nitro-substituted Nor-beta-lapachones: The Structure of Radical Species during Successive Electron Transfer in Multiredox Centers.. Journal of Organic Chemistry. , v.79, p.5201 - 5208, 2014.

86. MIRANDA, P. R. B.; Silva, Társila; de Abreu, Fabiane Caxico; Valentim, Iara Barros; **GOULART, MARÍLIA OLIVEIRA F.**Thermodynamic Parameters of the Interactions between Lapachol and Isolapachol Sodium Salts and Chitosan Flakes. Journal of Chemical & Engineering Data (Online). , v.59, p.1181 - 1192, 2014.

87. CRUZ, E. H. G.; HUSSENE, C. M. B.; DIAS, G. G.; DIOGO, E. B. T.; MELO, I. M. M.; RODRIGUES, B. L.; VALENCA, W. O.; CAMARA, C. A.; SILVA, M. G.; OLIVEIRA, R. N.; de Paiva, Y.G.; **Goulart, Marília Oliveira Fonseca**; Cavalcanti, B. C.; Pessoa, Claudia; da Silva jr., E.N. 1,2,3-Triazole-, arylamino- and thio-substituted 1,4-naphthoquinones: Potent antitumor activity, electrochemical aspects, and bioisosteric replacement of C-ring-modified lapachones. Bioorganic & Medicinal Chemistry (Print). , v.22, p.1608 - 1619, 2014.

88. Silva, F.A.S.; Silva, M.G.A.; LIMA, P.R.; MENEGHETTI, M. R.; Kubota, L.T.; **GOULART, MARÍLIA OLIVEIRA F.** A very low potential electrochemical detection of L-cysteine based on a glassy carbon electrode modified with multi-walled carbon nanotubes/gold nanorods. Biosensors & Bioelectronics. , v.50, p.202 - 209, 2013.

89. Ferreira, F.R.; Ferreira, S.B.; Araújo, Ana Jérsia; Marinho Filho, J. D. B.; Pessoa, C.; Moraes, Manoel Odorico; Costa-Lotufo, L. V.; Montenegro, Raquel Carvalho; SILVA, F. C.; Ferreira, Vitor F.; da Costa, J.G.; ABREU, F. C.; **GOULART, MARÍLIA OLIVEIRA F.** Arylated &#945;- and &#946;-Dihydrofuran naphthoquinones: Electrochemical Parameters, Evaluation of Antitumor Activity and their Correlation. Electrochimica Acta. , p.634 - 640, 2013.

90. Mello, L.D.; Kisner, A.; **Goulart, Marília Oliveira Fonseca**; Kubota, L.T.Biosensors for Antioxidant Evaluation in Biological Systems. Combinatorial Chemistry & High Throughput Screening. , v.16, p.109 - 120, 2013.

91. Oliveira, M.B.S.; Valentim, I.B.; Vasconcelos, C.C.; de Omena, Cristhiane Maria Bazílio; Bechara, Etelvino José Henriques; da Costa, J.G.; Freitas, M.L.; Santana, Antonio Euzebio G; **Goulart, Marilia O. F.** Cocos nucifera Linn. (Palmae) Husk Fiber Ethanolic Extract: Antioxidant Capacity and Electrochemical Investigation. Combinatorial Chemistry & High Throughput Screening. , v.16, p.121 - 129, 2013.

92. Santos, J.C.F.; Valentim, I.B.; ARAUJO, O. R. P.; Ataíde, T. R.; **GOULART, MARÃ­LIA OLIVEIRA FONSECA** Development of Nonalcoholic Hepatopathy: Contributions of Oxidative Stress and Advanced Glycation End Products. International Journal of Molecular Sciences (Online). , v.14, p.19846 - 19866, 2013.

93. MANUELA GARRIDO, E.; BORGES, FERNANDA; **Oliveira Fonseca Goulart, Marilia**; GARRIDO, JORGE Editorial (Hot Topic: Electrochemistry and Antioxidants). Combinatorial Chemistry & High Throughput Screening. , v.16, p.83 - 83, 2013.

94. BANDEIRA, S. M.; FONSECA, L. J. S.; GUEDES, G. S.; Rabelo, L. A.; **Goulart, Marília Oliveira Fonseca**; VASCONCELOS, S. M. L. Oxidative Stress as an Underlying Contributor in the Development of Chronic Complications in Diabetes Mellitus. International Journal of Molecular Sciences (Online). , v.14, p.3265 - 3284, 2013.

95. Lima, E. P.; **Goulart, Marília Oliveira Fonseca**; Albuquerque, M. R.; VICTOR, F. M.; Pinto, N.B. Série histórica da dengue e do Aedes Aegypti no Ceará. Revista Brasileira em Promoção da Saúde (Print). , v.26, p.340 - 348, 2013.

96. DIOGO, E. B. T.; DIAS, G. G.; RODRIGUES, B. L.; GUIMARAES, T. T.; VALENCA, W. O.; CAMARA, C. A.; OLIVEIRA, R. N.; SILVA, M. G.; FERREIRA, V. F.; de Paiva, Y.G.; MENNA-BARRETO, R. F. S.; CASTRO, S. L.; da Silva jr., E.N.; **Goulart, Marília O. F.** Synthesis and anti-Trypanosoma cruzi activity of Naphthoquinone-containing Triazoles: Electrochemical studies on the effects of the quinoidal moiety. Bioorganic & Medicinal Chemistry (Print). , v.21, p.6337 - 6348, 2013.

97. FERREIRA, F. R.; Valentim, Iara Barros; Ramones, E.L.C.; Trevisan, Maria Teresa Salles; Olea-Azar, C; Perez-Cruz, F; ABREU, F. C.; **Goulart, Marília O.F.**Antioxidant activity of the Mangiferin inclusion complex with &#946;-Cyclodextrin. Lebensmittel-Wissenschaft + Technologie / Food Science + Technology. , v.51, p.129 - 134, 2012.

98. de Omena, Cristhiane Maria Bazílio; Valentim, Iara Barros; Guedes, Glaucevane da S.; Rabelo, Luiza A.; Mano, Camila Marinho; Bechara, Etelvino José Henriques; Sawaya, Alexandra C.H.F.; Trevisan, Maria Teresa Salles; da Costa, João Gomes; Ferreira, Roberta Costa Silva; Sant'Ana, Antônio Euzébio Goulart; **Goulart, Marília Oliveira Fonseca** Antioxidant, anti-acetylcholinesterase and cytotoxic activities of ethanol extracts of peel, pulp and seeds of exotic Brazilian fruits. Food Research International. , v.00, p.00 - 344, 2012.

99. BANDEIRA, SUZIY DE M.; Guedes, Glaucevane da S.; FONSECA, LUCAS JOSÉ S. DA; PIRES, ANDRÉ S.; GELAIN, DANIEL P.; MOREIRA, JOSÉ CLAUDIO F.; RABELO, LUÍZA A.; VASCONCELOS, SANDRA MARY L.; **GOULART, MARÍLIA OLIVEIRA F.** Characterization of Blood Oxidative Stress in Type 2 Diabetes Mellitus Patients: Increase in Lipid Peroxidation and SOD Activity. Oxidative Medicine and Cellular Longevity (Print). , v.2012, p.1 - 13, 2012.

100. Halls, Jonathan E.; Altalhi, Amal A.; de Abreu, Fabiane C.; **Goulart, Marília O.F.**; Wadhawan, Jay D.Concentration-dependent diffusion coefficients of tert-butylferrocene within dodecyltrimethylammonium chloride/brine liquid crystals. Electrochemistry Communications. , v.17, p.41 - 44, 2012.

101. de Paiva, Y.G.; de Souza, A.A.; Lima-Junior, C.G.; Silva, F.P.L.; Vasconcelos, C.C.; de Abreu, Fabiane Caxico; **Goulart, Marilia O. F.**; Vasconcelos, M; Vasconcellos, M. Correlation between electrochemical and theoretical studies on the leishmanicidal activity of twelve Morita-Baylis-Hillman adducts. Journal of the Brazilian Chemical Society (Impresso). , v.23, p.894 - 904, 2012.

102. de Oliveira Costa, Erivaldo; MOLINA, M. T.; ABREU, F. C.; Silva, F.A.S.; COSTA, C. O.; Pinho Jr., W.; Valentim, I.B.; AGUILERA-VENEGAS, B.; Perez-Cruz, F; Norambuena, E; Olea-Azar, C; **GOULART, M. O. F.**Electrochemical and Spectroscopic Investigation of Bioactive Naphthoquinones. International Journal of Electrochemical Science (Online). , v.7, p.6524 - 6538, 2012.

103. Araújo, A.J.; de Souza, A.A.; da Silva Júnior, E.N.; Marinho-Filho, J.D.B.; de Moura, M.A.B.F.; Rocha, D.D.; Vasconcellos, M.C.; Costa, C.O.; Pessoa, C.; De Moraes, M.O.; Ferreira, V.F.; de Abreu, F.C.; Pinto, A.V.; Montenegro, R.C.; Costa-Lotufo, L.V.; Goulart, M.O.F.; **Goulart, Marilia O. F.** Growth inhibitory effects of 3¿-nitro-3-phenylamino nor-beta-lapachone against HL-60: a redox-dependent mechanism. Toxicology in Vitro. , v.26, p.585 - 594, 2012.

104. SILVA, L. L.; Donnici C. L.; Lopes, J. D.C.; **GOULART, M. O. F.**; Abreu, Fabiane Caxico de; PAULA, F. S.; BRAVO, C. E. S.; Santoro, M.; Denadai, AML; Santos AMC; MONTANARI, C. A.

Investigação eletroquímica e calorimétrica da interação de novos agentes antitumorais biscatiônicos com DNA. Química Nova (Impresso). , v.35, p.1318 - 1324, 2012.

105. COSTA, C. O.; de Oliveira Costa, Erivaldo; FERREIRA, F. R.; Viana, L.S.; Silva, F.A.S.; ABREU, F. C.; Figueiredo, I; Pinho Jr., W.; Bento, E. S.; de Lemos, TLG; Pessoa O.D; AGUILERA-VENEGAS, B.; Norambuena, E; Olea-Azar, C; **GOULART, M. O. F.** Oncocalyxone A: electrochemical, spectroscopic investigation and studies of its interaction with DNA, nucleobases and N-acetylcysteine. Journal of the Brazilian Chemical Society (Impresso). , v.00, p.1 - 12, 2012.

106. Silva, Francisco de Assis dos Santos; Lopes, Cleylton Bezerra; Kubota, Lauro Tatsuo; Lima, Phabyanno Rodrigues; Goulart, MarÃ­lia Oliveira Fonseca; **Goulart, Marília Oliveira Fonseca**

Poly-xanthurenic acid modified electrodes: An amperometric sensor for the simultaneous determination of ascorbic and uric acids. Sensors and Actuators. B, Chemical. , p.289 - 296, 2012.

107. Barros, Francisco W.A.; Silva, Teresinha Gonçalves; da Rocha Pitta, Marina Galdino; Bezerra, Daniel P.; Costa-Lotufo, Letícia V.; de Moraes, Manoel Odorico; Pessoa, Cláudia; de Moura, Maria Aline F.B.; de Abreu, Fabiane C.; de Lima, Maria do Carmo Alves; Galdino, Suely Lins; da Rocha Pitta, Ivan; **Goulart, Marilia O.F.** Synthesis and cytotoxic activity of new acridine-thiazolidine derivatives. Bioorganic & Medicinal Chemistry (Print). , p.3533 - 3539, 2012.

108. Cabral de Oliveira, Alane; Hillard, Elizabeth A.; Pigeon, Pascal; Rocha, Danilo Damasceno; Rodrigues, Felipe A.R.; Montenegro, Raquel C.; Costa-Lotufo, Letícia V.; **Goulart, Marilia O.F.**; Jaouen, Gérard Biological evaluation of twenty-eight ferrocenyl tetrasubstituted olefins: Cancer cell growth inhibition, ROS production and hemolytic activity. European Journal of Medicinal Chemistry. , v.46, p.3778 - 3787, 2011.

109. Gonsalves, A. A.; Araujo, C.R.M.; SOARES, N. A.; **GOULART, M. O. F.**; ABREU, F. C. Diferentes estratégias para a reticulação de quitosana. Química Nova (Impresso). , v.34, p.1215 - 1223, 2011.

110. Gonsalves, Arlan de Assis; **Goulart, Marilia O. F.**Hydralazine Hydrochloride: An Alternative Complexometric Reagent for Total Iron Spotometric Determination. American Journal of Analytical Chemistry. , v.02, p.776 - 782, 2011.

111. Lima, Estelita Pereira; Paiva, Marcelo Henrique Santos; de Araujo, Ana Paula; da Silva, Ellyda Vansessa Gomes; da Silva, Ulisses Mariano; de Oliveira, Lucia Nogueira; Santana, Antonio Euzebio G; Barbosa, Clarisse Nogueira; Neto, Clovis C de Paiva; Goulart, Marilia OF; Wilding, Craig Stephen; Ayres, Constancia Flavia Junqueira; Melo Santos, Maria Alice V; **Goulart, Marília Oliveira Fonseca** Insecticide resistance in Aedes aegypti populations from Ceara, Brazil. Parasites & Vectors. , v.4, p.5 - , 2011.

112. VASCONCELOS, S. M. L.; Rabelo, L. A.; FONTES, G.; BENFATO, M. S.; MANFREDINI, V.; da Silva, M. A. M.; **GOULART, M. O. F.** Markers of redox imbalance in the blood of hypertensive patients of a community in northeastern Brazil. Arquivos Brasileiros de Cardiologia (Impresso). , v.97, p.141 - 147, 2011.

113. Vicente, C.D.; Abreu, F.C. De; Goulart, M.O.F.; Vasconcelo, J.N. De; **GOULART, M. O. F.** Phenolic Constituents, Furfuraldehyde and Antioxidant Capacity of Sugar Cane Spirit Aged in Woods Casks. American journal of food technology. , v.6, p.631 - 646, 2011.

114. Cavalcanti, Bruno; Barros, Francisco Washington Araújo; Cabral, Igor; Ferreira, José; Magalhães, Hemerson; Júnior, Hélio; Júnior, Eufranio; de Abreu, Fabiane C.; Costa, Cícero; Goulart, Marilia Oliveira Fonseca; Moraes, Manoel Odorico; Pessoa, Claudia; **Goulart, Marilia O. F.** Preclinical genotoxicology of nor-?-lapachone in human cultured lymphocytes and Chinese hamster lung fibroblasts. Chemical Research in Toxicology. , v.24, p.1560 - 1574, 2011.

115. da Silva, Matuzalém J.; Pinto, Maria do Carmo F.R.; De Simone, Carlos A.; Soares, Janaína G.; Machado Reys, José R.; de Souza Filho, José D.; Harrison, William T.A.; Carvalho, Carlos E.M.; **Goulart, Marília O.F.**; da Silva Júnior, Eufrânio N. Synthesis and characterization of a new polycyclic phenazine from 1,4-naphthoquinone. Tetrahedron Letters. , p.2415 - 2418, 2011.

116. Gomes, A. C. M.; **GOULART, M. O. F.**; Gomes, M. A. M.; VASCONCELOS, S. M. L. Clinical, nutritional and metabolic studies of individuals with white-coat hypertension. Revista Brasileira de Hipertensão. , v.17, p.140 - 148, 2010.

117. Montenegro, Raquel Carvalho; Araújo, Ana Jérsia; Molina, María Teresa; Filho, José Delano Barreto Marinho; Rocha, Danilo Damasceno; Lopéz-Montero, Eulogio; Goulart, Marília O.F.; Bento, E.S.; Alves, Ana Paula Nunes Negreiros; Pessoa, Cláudia; **Goulart, Marilia O. F.** Cytotoxic Activity of Naphthoquinones with Special Emphasis on Juglone and its 5-O-methyl Derivative. Chemico-Biological Interactions (Print). , v.184, p.439 - 448, 2010.

118. Lima, Augusto C. de A.; Melo, Acácia M. dos S.; Pires, Edjane Vieira; Ferreira, Roberta Costa dos Santos; Sant¿Ana, Antônio E.G.; **Goulart, Marília O.F.**; de Abreu, Fabiane C. Electroanalytical studies of sulfentrazone in protic medium, its degradation by the electro-Fenton process, and toxicity assessment using ss-DNA. Chemosphere (Oxford). , v.81, p.884 - 889, 2010.

119. Ferreira, Fabricia da Rocha; Silva, Emanuella Gomes da; Leo, Lucila P. Méndez De; Calvo, Ernesto J.; Bento, Edson de Souza; **Goulart, Marília Oliveira Fonseca**; Abreu, Fabiane Caxico de Electrochemical Investigations into Host-Guest Interactions of a Natural Antioxidant Compound with ?-Cyclodextrin. Electrochimica Acta. , v.56, p.797 - 803, 2010.

120. de Souza, A.A.; de Moura, M.A.B.F.; de Abreu, Fabiane C.; **GOULART, M. O. F.**; da Silva Jr., E.N.; PINTO, A. V.; Ferreira, Vitor F.; Moscoso, R.; Squella, J. A.; Núñez-Vergara, L.J. Electrochemical study, on mercury, of a Meta-nitroarylamine derivative of nor-&#946;-lapachone, an antitumor and trypanocidal compound. Química Nova (Impresso). , v.33, p.2075 - 2079, 2010.

121. de Assis dos Santos Silva, Francisco; Lopes, Cleylton Bezerra; de Oliveira Costa, Erivaldo; Lima, Phabyanno Rodrigues; Kubota, Lauro Tatsuo; **Goulart, Marília Oliveira Fonseca** Poly-xanthurenic acid as an efficient mediator for the electrocatalytic oxidation of NADH. Electrochemistry Communications. , v.12, p.450 - 454, 2010.

122. Hernández-Muñoz, Lindsay S.; González, Felipe J.; González, Ignacio; Goulart, Marilia O.F.; Abreu, Fabiane Caxico de; Ribeiro, Adriana Santos; Ribeiro, Rogério Tavares; Longo, Ricardo L.; Navarro, Marcelo; Frontana, Carlos; **Goulart, Marília Oliveira Fonseca** Revisiting the electrochemical formation, stability and structure of radical and biradical anionic structures in dinitrobenzenes. Electrochimica Acta. , v.55, p.8325 - 8335, 2010.

123. da Silva Júnior, Eufrânio N.; Cavalcanti, Bruno C.; Guimarães, Tiago T.; Pinto, Maria do Carmo F.R.; Cabral, Igor O.; Pessoa, Cláudia; Costa-Lotufo, Letícia V.; de Moraes, Manoel O.; de Andrade, Carlos K.Z.; dos Santos, Marcelo R.; **Goulart, Marilia O. F.** Synthesis and Evaluation of Quinonoid Compounds against Tumor Cell Lines. European Journal of Medicinal Chemistry. , v.46, p.399 - 410, 2010.

124. da Silva Júnior, Eufrânio N.; Guimarães, Tiago T.; Menna-Barreto, Rubem F.S.; Pinto, Maria do Carmo F.R.; De Simone, Carlos A.; Pessoa, Claudia; Cavalcanti, Bruno C.; Sabino, José R.; Andrade, Carlos Kleber Z.; Goulart, Marilia O.F.; **Goulart, Marilia O. F** The evaluation of quinonoid compounds against Trypanosoma cruzi: Synthesis of imidazolic anthraquinones, nor-?-lapachone derivatives and ?-lapachone-based 1,2,3-triazoles. Bioorganic & Medicinal Chemistry. , v.18, p.3224 - 3230, 2010.

125. da Silva Ju?nior, Eufra?nio N.; de Deus, Clara F.; Cavalcanti, Bruno C.; Pessoa, Cla?udia; Costa-Lotufo, Leti?cia V.; Montenegro, Raquel C.; de Moraes, Manoel O.; Pinto, Maria do Carmo F. R.; De Simone, Carlos A.; Ferreira, Vitor F.; **Goulart, Marilia O. F.**; Andrade, Carlos Kleber Z.; Pinto, Anto?nio V. 3-Arylamino and 3-Alkoxy-nor-?-lapachone Derivatives: Synthesis and Cytotoxicity against Cancer Cell Lines. Journal of Medicinal Chemistry. , v.53, p.504 - 508, 2010.

126. Silva, Raphael S.F.; Pinto, Maria do Carmo F.R.; Goulart, Marília O.F.; de Souza Filho, José D.; Neves Jr., Ivan; Lourenço, Maria Cristina S.; Pinto, Antonio V.; **Goulart, Marília Oliveira Fonseca** A macrolactone from benzo[a]phenazine with potent activity against Mycobacterium tuberculosis. European Journal of Medicinal Chemistry. , v.44, p.2334 - 2337, 2009.

127. Ribeiro, Karlos A.L.; de Carvalho, Cenira Monteiro; Molina, Maria Teresa; Lima, Estelita Pereira; López-Montero, Eulogio; Reys, José Rui M.; de Oliveira, Maria Beatriz Farias; Pinto, Antonio Ventura; Santana, Antônio Euzébio G.; Goulart, Marília O.F.; **Goulart, Marília Oliveira Fonseca** Activities of naphthoquinones against Aedes aegypti (Linnaeus, 1762) (Diptera: Culicidae), vector of dengue and Biomphalaria glabrata (Say, 1818), intermediate host of Schistosoma mansoni. Acta Tropica. , p.44 - 50, 2009.

128. Soares, M.B.P.; Costa, J.F.O.; De Sa, M.S.; Dos Santos, R.R.; Pigeon, P; Jaouen, G.; SANT'ANA, A. E. G.; **GOULART, M. O. F.**; Hillard, E.A. Antiparasitic and immunomodulatory activities of 1,1-bis(4-hydroxyphenyl)-2-phenyl-but-1-ene and its protected and free 2-ferrocenyl derivatives. Drug Development Research (Print). , v.71, p.69 - 75, 2009.

129. da Silva Júnior, Eufrânio N.; de Moura, M.A.B.F.; Pinto, Antônio Ventura; Pinto, M.C.F.R.; SOUZA, M. C. B. V.; Araújo A. J.; Pessoa, C.; Costa-Lotufo, L. V.; Montenegro, R.; De Moraes, M.O.; **GOULART, M**; Ferreira, Vitor F. Cytotoxic, trypanocidal activities and physicochemical parameters of nor-Â²-lapachone-based 1,2,3-triazoles. Journal of the Brazilian Chemical Society (Impresso). , v.20, p.635 - 643, 2009.

130. LIMA, A.C. A.; DA SILVA, E. G.; **GOULART, M. O. F.**; TONHOLO, J.; DA SILVA, T.T.; de Abreu, Fabiane Caxico Electrochemical behavior of metribuzin on a glassy carbon electrode in an aqueous medium including quantitative studies by anodic stripping voltammetry. Journal of the Brazilian Chemical Society (Impresso). , v.20, p.1698 - 1704, 2009.

131. Ferreira, Danielle C. M.; Tapsoba, Issa; Arbault, Stéphane; Bouret, Yann; Alexandre Moreira, Magna Suzana; Ventura Pinto, Antônio; **Goulart, Marília O. F.**; Amatore, Christian Ex vivo Activities of ?-Lapachone and ?-Lapachone on Macrophages: A Quantitative Pharmacological Analysis Based on Amperometric Monitoring of Oxidative Bursts by Single Cells. ChemBioChem. , v.10, p.528 - 538, 2009.

132. de Oliveira, A.C.; Valentim, I.B.; **Goulart, Marilia O. F.**; Silva, C.A.; Bechara, E.J.H.; Trevisan, MTS Fontes vegetais naturais de antioxidantes. Química Nova (Impresso). , v.32, p.689 - 702, 2009.

133. De Souza, L. C. D.; de Oliveira, A.C.; **GOULART, M. O. F.**; VASCONCELOS, S. M. L.

Intake and variation coeffi cient of a diet. Nutrire (São Paulo). , v.34, p.11 - 26, 2009.

134. Rodrigues?Lima, Phabyanno; Barbosa?de?Miranda, Paulo?Rogério; Bof?de?Oliveira, Adriano; Oliveira?Fonseca?Goulart, Marília; Tatsuo?Kubota, Lauro; **Goulart, Marília Oliveira Fonseca** Modified Carbon Paste Electrode for Kinetic Investigation and Simultaneous Determination of Ascorbic and Uric Acids. Electroanalysis (New York). , v.21, p.2311 - 2320, 2009.

135. de Oliveira, Alane Cabral; Valentim, Iara Barros; Silva, Cícero Alexandre; Bechara, Etelvino José Henriques; Barros, Marcelo Paes de; Mano, Camila Marinho; **Goulart, Marília Oliveira Fonseca** Total phenolic content and free radical scavenging activities of methanolic extract powders of tropical fruit residues. Food Chemistry. , v.115, p.469 - 475, 2009.

136. Lima, Phabyanno?Rodrigues; de?Jesus?Rodrigues?Santos, Wilney; Goulart, Marília?Oliveira?Fonseca; Tanaka, Auro?Atsushi; Tanaka, Sônia?Maria?Carvalho?Neiva; Kubota, Lauro?Tatsuo; **GOULART, M. O. F.** Alternating Layers of Iron(III) Tetra N-methyl-4-pyridyl)-porphyrin and Copper Tetrasulfonated Phthalocyanine for Amperometric Detection of 4-Nitrophenol in Nanomolar Levels. Electroanalysis (New York). , v.20, p.2333 - 2339, 2008.

137. Silva, Eufrânio N. da; De Simone, Carlos A.; Goulart, Marília O. F.; Andrade, Carlos K. Z.; Silva, Raphael S. F.; Pinto, Antonio V.; **GOULART, M. O. F.**  3-(2,4-Dibromoanilino)-2,2-dimethyl-2,3-dihydronaphtho[1,2- b]furan-4,5-dione: a new substituted arylamino nor-&#946;-lapachone derivative Acta Crystallographica. Section E. , v.64, p.o2348 - o2348, 2008.

138. GOULART, M. O. F.; LIMA, P.R.; Santos, W. J. R.; LUZ, R. C. S.; Damos, F. S.; Oliveira, A.B.; KUBOTA, L. T. An Amperometric Sensor based on Electrochemically Triggered Reaction: Redox-Active Ar-NO/Ar-NHOH from 4-Nitrophthalonitrile-Modified Electrode for the Low Voltage Cysteine Detection. Journal of Electroanalytical Chemistry. , v.612, p.87 - 98, 2008.

139. REYS, J; LIMA, P; CIOLETTI, A; RIBEIRO, A; DEABREU, F; **GOULART, M**; KUBOTA, L

An amperometric sensor based on hemin adsorbed on silica gel modified with titanium oxide for electrocatalytic reduction and quantification of artemisinin. Talanta (Oxford). , p.909 - 914, 2008.

140. GOULART, M. O. F.; OSSOWSKY, T.; ABREU, F. C.; SANTANA, A. E. G.; MIRANDA, P. R. B.; COSTA, C. O.; LIWO, A.; Falkowski, Piotr; Zarzeczanska, D. Determination of the pKa values of some biologically active and inactive hydroxyquinones. Journal of the Brazilian Chemical Society (Impresso). , v.19, p.175 - 183, 2008.

141. GOULART, M. O. F.; LIMA, P.R.; Santos, W. J. R.; Oliveira, A.B.; KUBOTA, L. T. Electrocatalytic activity of 4-nitrophthalonitrile-modified electrode for the L-glutathione detection. Journal of Pharmaceutical and Biomedical Analysis. , v.47, p.758 - 764, 2008.

142. GOULART, M. O. F.; MELO, A. M. S.; Valentim, I.B.; ABREU, F. C. Electrochemical determination of oncocalyxone A using an iron-phthalocyanine/iron-porphyrin modified glassy carbon electrode. Journal of the Brazilian Chemical Society (Impresso). , v.19, p.697 - 703, 2008.

143. LIMA, P.R.; Santos, W. J. R.; Oliveira, A.B.; GOULART, M. O. F.; KUBOTA, L. T. Electrochemical investigations of the reaction mechanism and kinetics between NADH and redox-active (NC)2C6H3-NHOH/(NC)2C6H3-NO from 4-nitrophthalonitrile-(NC)2C6H3-NO2-modified electrode.. Biosensors & Bioelectronics. , v.24, p.448 - 454, 2008.

144. Hillard, Elizabeth Anne; de Abreu, Fabiane Caxico; Ferreira, Danielle Cristhina Melo; Jaouen, Gérard; **Goulart, Marília Oliveira Fonseca**; Amatore, Christian Electrochemical parameters and techniques in drug development, with an emphasis on quinones and related compounds. Chemical Communications (London). , p.2612 - 2628, 2008.

145. Hernández, Dulce María; de Moura, Maria Aline B. F.; Valencia, Drochss Pettry; González, Felipe J.; González, Ignacio; de Abreu, Fabiane C.; da Silva Júnior, Eufrânio N.; Ferreira, Vitor F.; Pinto, Antônio Ventura; **Goulart, Marilia O. F.**; Frontana, Carlos Inner reorganization during the radical¿biradical transition in a nor-?-lapachone derivative possessing two redox centers. Organic and Biomolecular Chemistry. , p.3414 - , 2008.

146. GOULART, M. O. F.; ABREU, F. C.; PAULA, F. S.; FERREIRA, D. C. M.; Nascimento, V.B.; Lopes, J. D.C.; SANTOS, A. M. C.; Santoro, M.; Salas, C. E. The Application of DNA-Biosensors and Differential Scanning Calorimetry to the Study of the DNA-Binding Agent Berenil. Sensors (Basel). , v.8, p.1519 - 1538, 2008.

147. GOULART, M. O. F.; SILVA, R. S. F.; de Amorim, M.B.; Pinto, M.C.F.R.; Emery, F.S.; PINTO, A. V. Chemoselective oxidation of benzophenazines by m-CPBA: n-oxidation vs. oxidative cleavage. Journal of the Brazilian Chemical Society (Impresso). , v.18, p.759 - 764, 2007.

148. GOULART, M. O. F.; ABREU, F. C.; FERREIRA, D. C. M.; BURIEZ, O.; AMATORE, C. Electrochemical Activation of beta-lapachone in beta-Cyclodextrin Inclusion Complexes and Reactivity of its Reduced Form Towards Oxygen in Aqueous Solutions. Journal of Electroanalytical Chemistry (Amsterdam). , v.608, p.125 - 132, 2007.

149. GOULART, M. O. F.; de Souza, A.A.; ABREU, F. C.; PAULA, F. S.; Almeida, W. P.; BURIEZ, O.; AMATORE, C. Electrochemical Study of Methyl 2-[p-Nitrophenyl(hydroxy)methyl]acrylate. Journal of the Electrochemical Society. , v.154, p.P121 - , 2007.

150. GOULART, M. O. F.; VASCONCELOS, S. M. L.; MOURA, J. B. F.; MANFREDINI, V.; BENFATO, M. S.; KUBOTA, L. T. Espécies reativas de oxigênio e de nitrogênio, antioxidantes e marcadores de dano oxidativo em sangue humano: principais métodos analíticos para sua determinação. Química Nova (Impresso). , v.30, p.1323 - 1338, 2007.

151. VASCONCELOS, S. M. L.; GOULART, M. O. F.; da Silva, M. A. M.; Gomes, A. C. M.

Hipótese oxidativa da hipertensão arterial: uma mini-revisão. Revista Brasileira de Hipertensão. , v.14, p.269 - 274, 2007.

152. GOULART, M. O. F.; da Silva Jr., E.N.; de Souza, M.C.B.V.; PINTO, A. V.; Barros, F. W. A.; Pessoa, C.; Costa-Lotufo, L. V.; Montenegro, R.; De Moraes, M.O.; FERREIRA, V. Synthesis and Potent Antitumor Activity of New Phenylamine Derivatives of nor-&#946;-lapachone and nor-&#945;-lapachone. Bioorganic & Medicinal Chemistry. , v.15, p.7035 - 7041, 2007.

153. GOULART, M. O. F.; DUARTE, C. M.; Tributino, J.M.; Lacerda, D.I.; Martins, M.V.; Alexandre-Moreira, M.S.; Dutra, F.; Bechara, E.J.H.; PAULA, F. S.; Ferreira, J.; Calixto, J.B.; Nunes, M.P.; Bertho, A.L.; FRAGA, C. A. M.; BARREIRO, E. J. Synthesis, pharmacological evaluation and electrochemical studies of novel 6-nitro-3,4-methylenedioxyphenyl-N-acylhydrazone derivatives: Discovery of LASSBio-881, a new ligand of cannabinoid receptors. Bioorganic & Medicinal Chemistry (Print). , v.15, p.2421 - 2433, 2007.

154. NUNES, I. K. C.; SIMONE, C. A.; Silva, R. S. F.; PINTO, A. V.; **GOULART, M. O. F.** 14b-Chloro-4a-methoxy-3,3-dimethyl-2,3,4a,14b-tetrahydro-1H-benzo[a]-pyrano[2.3-c] phenazine: a new active structural type against Mycobacterium tuberculosis.. Acta Crystallographica. Section E. , v.E63, p.o3686 - o3687, 2007.

155. GOULART, M. O. F.; SIMONE, C. A.; PEREIRA, M. A.; OLIVEIRA, N. V.; CIOLETTI, A. G.; MALTA, V. M. R.; BALLIANO, T. L. Crystal Structure of 1-(2-bromomethyl)-2-methyl-5-nitroimidazole C6H8BrN3O2.. Zeitschrift fur Kristallographie. , v.221, p.49 - 50, 2006.

156. GOULART, M. O. F.; COSTA, C. O.; MIRANDA, P. R. B.; KUBOTA, L. T.; HAZRA, B.; LUZ, R. C. S. Development of a voltammetric sensor for diospyrin determination in nanomolar concentrations. Talanta (Oxford). , v.68, p.1378 - 1383, 2006.

157. VASCONCELOS, S. M. L.; SILVA, M.A.; **GOULART, M. O. F.** Pró-antioxidantes e antioxidantes de baixo peso molecular oriundos da dieta: estrutura e função. Nutrire (SBAN). , v.31, p.95 - 118, 2006.

158. GOULART, M. O. F.; PINTO, A. V.; SIMONE, C. A.; SILVA, R. S. F. Synthesis and crystal structure of the N4-oxide of an hydroxybenzo[f]quinoxalin-6(5H)-one obtained by oxidative cleavage of beta-lapachone-quinoxaline. Journal of Chemical Crystallography. , v.36, p.551 - 556, 2006.

159. GOULART, M. O. F.; Zanta, C. L. P.; TONHOLO, J.; SANTOS, M. R. G. The application of electrochemical technology to the remediation of oily wastewater. Chemosphere (Oxford). , v.64, p.393 - 399, 2006.

160. GOULART, M. O. F.; ABREU, F. C.; FERREIRA, D. C. M.; FERREIRA, V.; AMATORE, C.; WADHAWAN, J. Electrochemistry of Î²-lapachone and its diazoderivative: Relevance to their compared antimicrobial activities. Electrochemistry Communications. , v.7, p.767 - 772, 2005.

161. GOULART, M. O. F.; PINTO, A. V.; CIOLETTI, A. G.; SIMONE, C. A. The preparation of a 10-membered ring macrolactone by selective ozonolysis and the role of the dihydropyran-substituent on the MCPBA-oxidation reaction profile of beta-lapachone phenazines. Journal of the Brazilian Chemical Society (Impresso). , v.16, p.1074 - 1077, 2005.

162. GOULART, M. O. F.; PAULA, F. S.; FRUTTERO, R.; SALES, E. M. The relationship between redox potentials and substituent constants in biologically active arylazoxy compounds. Journal of Electroanalytical Chemistry. , v.579, p.33 - 41, 2005.

163. GOULART, M. O. F.; SANT'ANA, A. E. G.; LIMA, N. M. F.; LEON, L. L. P. Antileishmanial activity of lapachol analogues. Memórias do Instituto Oswaldo Cruz (Impresso). , v.99, p.757 - 761, 2004.

164. GOULART, M. O. F.; KRETTLI, A. U.; SILVA FILHO, J. F.; ANDRADE NETO, V.; PINTO, A. V. Antimalarial activity of phenazines from lapachol, &#946;-lapachone and its derivatives against Plasmodium falciparum in vitro and Plasmodium berghei in vivo. Bioorganic & Medicinal Chemistry Letters (Print). , v.14, p.1145 - 1149, 2004.

165. GOULART, M. O. F.; CAVALVANTI, J. M.; OLIVEIRA, N. V.; FIDELIS, M. A. B.; FRUTTERO, R.; ALVES, R. J. Effect of the leaving group on the electrodic reduction mechanism of anti-Helicobacter pylori metronidazole derivatives, in aprotic and protic media. Bioelectrochemistry (Amsterdam). , v.63, p.353 - 357, 2004.

166. GOULART, M. O. F.; SANT'ANA, A. E. G.; LIWO, A.; LIMA, N. M. F.; OSSOWSKY, T.; CAVALCANTI, J. C. M.; FERRAZ, P. A. L. Electrochemical studies of isolapachol with emphasis on oxygen interaction with its radical anions. Journal of Electroanalytical Chemistry. , v.566, p.25 - 29, 2004.

167. GOULART, M. O. F.; CAVALCANTI, J. C. M.; SOARES, N. A.; NAVARRO, M.; LONGO, R. L.; LISBOA, M. B. S. Electroreduction of halogenated fumaric esters: a combined electrochemical and computational investigation. Journal of Electroanalytical Chemistry. , v.567, p.67 - 75, 2004.

168. GOULART, M. O. F.; CAVALCANTI, J. C. M.; FIDELIS, M. A. B.; OLIVEIRA, N. V.; FRUTTERO, R.; BERTINARIA, M. Evidence of self-protonation on the electrodic reduction mechanism of an anti-Helicobacter pylori metronidazole isotere. Journal of Electroanalytical Chemistry. , v.571, p.177 - 182, 2004.

169. GOULART, M. O. F.; OLIVEIRA, A. L.; ABREU, F. C. Influence of the leaving group and of the annelation in the electroreduction of 2-methyl-substituted quinones. Journal of Electroanalytical Chemistry. , v.562, p.53 - 59, 2004.

170. GOULART, M. O. F.; PINTO, A. V.; SOUZA FILHO, J. D.; REYS, J. R. M. NMR characterization of new 10-membered-ring macrolactones and dihydrobenzophenazine-5-one, oxidized derivatives of benzo[a]phenazines. Magnetic Resonance in Chemistry. , v.42, p.663 - 665, 2004.

171. GOULART, M. O. F.; SANT'ANA, A. E. G.; CIOLETTI, A. G.; SANTOS, A. F.; GASCO, A.; PAULA, F. S.; SILVA FILHO, J. F.; FRUTTERO, R. Electrochemical studies of biologically active arylazoxy compounds. The relationship between redox potentials and molluscicidal activities. Journal of Electroanalytical Chemistry. , v.544, p.25 - 34, 2003.

172. GOULART, M. O. F.; SANT'ANA, A. E. G.; CORREIA, C. S.; LIMA, N. M. F.; LIWO, A.; OSSOWSKY, T.Electrochemical study of oxygen interaction with lapachol and its radical anions. Bioelectrochemistry (Amsterdam). , v.59, p.85 - 87, 2003.

173. GOULART, M. O. F.; LOPES, A. C. O.; ABREU, F. C.; SOARES, N. A.; Do Monte, S. A. The reduction of 2-bromomethyl-3-methyl- and 2,3-bis-bromomethyl-1,4-naphthoquinones, potential bioreductive alkylating agents. Electrochemical and computational studies. Journal of Electroanalytical Chemistry. , v.560, p.79 - 86, 2003.

174. GOULART, M. O. F.; CIOLETTI, A. G.; PINTO, A. V.; SOUZA FILHO, J. D.; SIMONE, C. A.; CASTELLANO, E. Unexpected oxidation of a substituted benzo[a]phenazine: oxidative cleavage of a double bond and formation of a macrolactone. Tetrahedron Letters. , v.44, p.3581 - 3585, 2003.

175. GOULART, M. O. F.; BRETT, A. M. O.; ABREU, F. C. Detection of the damage caused to DNA by niclosamide using an electrochemical DNA-biosensor. Biosensors & Bioelectronics. , v.17, p.913 - 919, 2002.

176. GOULART, M. O. F.; SANT'ANA, A. E. G.; PINTO, A. V.; CORREIA, C. S.; LIMA, N. M. F.

Molluscicidal hydroxynaphthoquinones and derivatives: correlation between their redox potentials and activity against Biomphalaria glabrata. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY. , v.13, p.822 - 829, 2002.

177. GOULART, M. O. F.; LOPES, A. C. O.; SIMONE, C. A.; ABREU, F. C. Nitrooxyquinones: synthesis, X-ray diffraction and electrochemical studies. Tetrahedron Letters. , v.43, p.8153 - 8157, 2002.

178. GOULART, M. O. F.; ABREU, F. C.; BRETT, A. M. O. Reduction of lapachones and their reaction with l-cysteine and mercaptoethanol on glassy carbon electrodes. Bioelectrochemistry (Amsterdam). , v.56, p.53 - 55, 2002.

179. GOULART, M. O. F.; ABREU, F. C.; BRETT, A. M. O. Reduction of Lapachones in Aqueous Media at a Glassy Carbon Electrode. Electroanalysis (New York, N.Y.). , v.14, p.29 - 34, 2002.

180. GOULART, M. O. F.; ABREU, F. C.; FERRAZ, P. A. L.

Some Applications of Electrochemistry in Biomedical Chemistry. Emphasis on the Correlation of Electrochemical and Bioactive Properties. Journal of the Brazilian Chemical Society (Impresso). , v.13, p.19 - 35, 2002.

181. GOULART, M. O. F.; CAVALCANTI, J. C. M.; NÉDÉLEC, J.; Leonel, E. Synthesis of 6-, 7-, and 8-membered lactones via the nickel-catalysed electrochemical arylation of electron-deficient olefins. Tetrahedron Letters. , v.43, p.6343 - 6345, 2002.

182. GOULART, M. O. F.; SANT'ANA, A. E. G.; SANTOS, A. F.; LIMA, N. M. F.; PORFÍRIO, Z.

Toxicity of lapachol and isolapachol and their potassium salts against Biomphalaria glabrata, Schistosoma mansoni cercariae, Artemia salina and Tilapia nilotica. Acta Tropica. , v.83, p.43 - 47, 2002.

183. GOULART, M. O. F.; SIMONE, C. A.; MALTA, V. M. R.; PEREIRA, M. A.; SANTOS, R. H. A.; ABREU, F. C. Crystal structure of 4,9-diacetoxynaphtho[2,3-b]thiophen, C16H12O4S.. Zeitschrift fur Kristallographie. , v.216, p.459 - 460, 2001.

184. GOULART, M. O. F.; TONHOLO, J.; FERRAZ, P. A. L.; ABREU, F. C.; GLEZER, V.; PINTO, A. V. Electrochemical aspects of the reduction of biologically active 2-hydroxy-3-alkyl-1,4-naphthoquinones. Journal of Electroanalytical Chemistry. , v.507, p.275 - 286, 2001.

185. GOULART, M. O. F.; SANTANA, A. E. G.; FERRAZ, P. A. L.; ABREU, F. C.; CHIARI, É.; SANTOS, A. F. Molluscicidal and Trypanocidal Activities of Lapachol Derivatives. Planta Medica. , v.67, p.92 - 93, 2001.

186. GOULART, M. O. F.; ABREU, F. C.; PAULA, F. S.; ALMEIDA, M. V.; SANTANA, A. E. G.; SANTOS, A. F. Synthesis, electrochemistry, and molluscicidal activity of nitroaromatic compounds: effects of substituents and the role of redox potential. Bioorganic & Medicinal Chemistry (Print). , v.9, p.659 - 664, 2001.

187. GOULART, M. O. F.; SANTANA, A. E. G.; FERRAZ, P. A. L.; SANTOS, A. F.; PINTO, A. V. Molluscicidal activity of 2-hydroxy-3-alkyl-1,4-naphthoquinones and derivatives. International Journal for Parasitology. , v.30, p.1199 - 1202, 2000.

188. GOULART, M. O. F.; SIMONE, C. A.; PEREIRA, M. A.; VALLE, N. T. [1a (1aa, 5b, 9aa)]1,1a,4,5,7,8,9,9a-octahydro-3-hydroxy-1,1,2,5-tetramethyl-7-methylene-6H-cyclopropa(3,4)cyclohepta(1,2-e)inden-6-one.. Acta Crystallographica. Section C, Crystal Structure Communications. , v.56, p.566 - 567, 2000.

189. ABREU, F. C.; GOULART, M. O. F.; TONHOLO, J.; BOTTECCHIA, O. L.; ZANI, C. L. Cathodic reduction of 2-nitronaphthothiophen-4,9-quinone: evidence of catalysis by proton donors and its simulation. Journal of Electroanalytical Chemistry. , v.462, p.195 - 201, 1999.

190. GOULART, M. O. F.; SCHAFER, H. Y. Diastereomeric Amides Derived from Malonic Acid: the Role of Chiral Auxiliaries and of the Nature of Co-Acids in the Mixed Kolbe Electrolyses. Journal of the Brazilian Chemical Society (Impresso). , v.10, p.153 - 162, 1999.

191. NAVARRO, M.; GOULART, M. O. F.; SILVA JÚNIOR, J. G. Electrocatalytic hydrogenation of diethyl fumarate. A simple system development. Tetrahedron (Oxford. Print). , v.55, p.7405 - 7410, 1999.

192. AZEVEDO, D. C.; TONHOLO, J.; SANTANA, A. E. G.; BOODTS, J. C.; SANTOS, A. F.; CAVALCANTI, J. C. M.; **GOULART, M. O. F.** Self-protonation mechanism in the electrochemical reduction of Jatropholone. Journal of Electroanalytical Chemistry. , v.466, p.99 - 106, 1999.

193. TONHOLO, J.; FREITAS, L. R.; AZEVEDO, D. C.; ABREU, F. C.; ZANI, C. L.; OLIVEIRA, A. B.; **GOULART, M. O. F.** Electrochemical Properties of Biologically Active Heterocyclic Naphthoquinones. Journal of the Brazilian Chemical Society (Impresso). , v.9, p.163 - 169, 1998.

194. AZEVEDO, D. C.; **GOULART, M. O. F.** Estereosseletividade em reações eletródicas. Química Nova (Impresso). , v.20, p.158 - 169, 1997.

195. GOULART, M. O. F.; FREITAS, L. R.; TONHOLO, J.; ABREU, F. C.; RASLAN, D. S.; STARLING, S.; ZANI, C. L.; OLIVEIRA, A. B.; CHIARI, E. Trypanocidal activity and redox potential of heterocyclic- and 2-hydroxy-naphthoquinones. Bioorganic & Medicinal Chemistry Letters (Print). , v.7, p.2043 - 2048, 1997.

196. SIMONE, C. A.; GOULART, M. O. F.; PEREIRA, M. A.; ZUKERMAN-SCHPECTOR, J. "Crystal Structure Of Emmotin Z: (2r,3s)-2,6-Dihydroxy-3-(2'-Hydroxy-Isopropyl)-5-Formyl-8-Methyl-1,2,3,4-Tetrahydro Naphthalene" Acta Cryst. C, C52, 117-118 (1996). Acta Crystallographica. Section C, Crystal Structure Communications. , v.C52, p.117 - 118, 1996.

197. GOULART, M. O. F.; BENTO, E. S.; ALVES, R. J.; MAIA, J. G. S.; OLIVEIRA, A. B.

Sesquiterpenoid emmotins from two Poraqueiba species. Phytochemistry. , v.39, p.835 - 838, 1995.

198. GOULART, M. O. F.; SANTANA, A. E. G.; ALVES, R. J.; SOUZA FILHO, J. D.; MAIA, J. G. S.; OLIVEIRA, A. B. Icacinic acid, a triterpenoid from Poraqueiba guianensis. Phytochemistry. , v.37, p.1139 - 1142, 1994.

199. GOULART, M. O. F.; SOARES, N. A.; SANTANA, A. E. G.; TONHOLO, A. E. G.; BOODTS, J. F. C. Investigation Of The Electrochemical Reduction Of 3-R-Claussequinone, In Dry Dmf And Mixed Aqueous/Dmf Solvent: A System Involving Self-Protonation. Journal of the Brazilian Chemical Society (Impresso). , v.4, p.47 - 53, 1994.

200. GOULART, M. O. F.; SANTANA, A. E. G.; LIMA, R. A.; CAVALCANTE, S. H.; CARVALHO, M. G.; BRAZ FILHO, R. Fitoconstituintes Quimicos Isolados de Jatropha Elliptica: Atribuicao de Deslocamentos Quimicos dos Atomos de Carbono e Hidrogenio dos Diterpenos A e B.. Química Nova (Impresso). , v.16, p.95 - 100, 1993.

201. TONHOLO, J.; BOODTS, J. F. C.; GOULART, M. O. F.; SANTANA, A. E. G. The electrochemical behaviour, on mercury, of gossypol in the acid pH region in mixed aquo-acetone solvent. Journal of Electroanalytical Chemistry. , v.341, p.61 - 75, 1992.

202. GOULART, M. O. F.; UTLEY, J. H. P. Electroorganic reactions. 31. Quinonemethide radical anions and dianions. Their cathodic generation and reactivity. Journal of Organic Chemistry (Online). , v.53, p.2520 - 2525, 1988.

203. GOULART, M. O. F.; LING, S.; UTLEY, J. H. P. Electro-organic reactions. Part 32. Electrogenerated bases from quinonemethides. Tetrahedron Letters. , v.28, p.6081 - 6084, 1987.

204. TADIC, D.; CASSELS, B. K.; CAVE, A.; GOULART, M. O. F.; OLIVEIRA, A. B. Revised structures of the azafluorenone alkaloids from guateria dielsiana. Phytochemistry. , v.26, p.1551 - 1552, 1987.

205. GOULART, M. O. F.; SANTANA, A. E. G.; OLIVEIRA, A. B.; MAIA, J. G. S. Azafluorenones and azaanthraquinone from Guatteria dielsiana. Phytochemistry. , v.25, p.1691 - 1695, 1986.

206. GOULART, M. O. F.; SANTANA, A. E. G.; HORAK, V. Differentiation between o- and p-quinol/quinone functionality with a simple test using cyclic voltammetry. Mikrochimica Acta (1966. Print). , v.88, p.23 - 26, 1986.

207. NICOLETTE, M.; GOULART, M. O. F.; LIMA, R. L.; SANTANA, A. E. G.; MONACHE, F. D.; BETTOLO, M.Flavonoids and Alkaloids From Strychnos pseudoquina. Journal of Natural Products (Print). , v.47, p.953 - 957, 1984.

208. LIMA, R. A.; MONACHE, G. D.; **GOULART, M. O. F.**

Deslocamentos Anomalos Induzidos Por AlCl3, Em Espectros Ultra-Violetana Elucidacao Estrutural de Poli-Fenois C-Alquilados. Química Nova (Impresso). , v.5, p.37 - 38, 1982.

209. GIESBRECHT, A. M.; GOTTLIEB, H. E.; GOULART, M. O. F.; LIMA, R. A. Canthinones from Simaba cuspidata. Phytochemistry. , v.19, p.313 - 315, 1980.

PUBLISHED CHAPTERS

1. Koiller, B; OLIVA, G.; BAFICA, A; Debora Foguel; ANTUNES, F.A.; LOPES, J. R. L.; AMARAL, L.; **Goulart MOF** A RAIZ DA CIÊNCIA:.FORTALECIMENTO DA PESQUISA BÁSICA É ESSENCIAL PARA AMPLIAR O CONHECIMENTO E POSSIBILITAR A INOVAÇÃO In: PROJETO DE CIÊNCIA PARA O BRASIL.1 ed.RIO DE JANEIRO: ACADEMIA BRASILEIRA DE CIÊNCIAS, 2018, v.1, p. 41-60.

2. Lopes, C.B.; Costa, E.O.; da Silva, L. V.; Xavier, J. A.; ALMEIDA, ANDRESA K.A.; Silva, F.A.S.; LIMA, P.R.; Kubota, L.T.; **GOULART, M.O.F.** Activated Nitroaromatics Are Useful Surface Redox Modifiers in Electroanalysis In: Advanced Materials and Systems for Electrochemical Technologies.1 ed.Hauppauge: Nova Science Publishers, Inc., 2018, v.1, p. 1-53.

3. Moura, F. A.; **Goulart, Marilia O.F.**Inflammatory Bowel Diseases: The Crosslink Between Risk Factorsand Antioxidant Therapy. In: Gastrointestinal Tissue Oxidative Stress and Dietary Antioxidants.1 ed.Oxford: Academic Press, 2017, v.1, p. 99-112.

4. de Rezende, C.M.; **Goulart, Marília Oliveira Fonseca** Agitando as águas brasileiras In: Celebrando a Química.1a. ed.São Paulo: Sociedade Brasileira de Química, 2013, v.1, p. 1-14.

5. de Abreu, Fabiane Caxico; de Moura, M.A.B.F.; Ferreira, Danielle Cristhina Melo; CAVALCANTI, J. C. M.; **GOULART, M** A importância de parâmetros eletroquimicos em Química Medicinal In: Química Medicinal. Métodos e Fundamentos em planejamento de fármacos.1 ed.São Paulo: EDUSP, 2010, v.1, p. 186-229.

6. GOULART, M. O. F.; de Souza, A.A.; SALES, E. M.; ABREU, F. C.; PAULA, F. S.Electrochemical Study of Methyl 2-[p-Nitrophenyl(Hydroxy)Methyl]Acrylate, An Anticancer Drug, In The Presence of GSH and Oxygen In: The Electrochemical Society Transactions - Cáncun (ECST) ed.Pennington, USA: The Electrochemical Society, 2007, v.3, p. 137-146.

7. GOULART, M. O. F.; SANT'ANA, A. E. G.; FONTES, G.; ROCHA, E. M. M. Application of Electrochemistry in Biomedical Sciences. Electrochemistry of antiparasitic drugs. In: Electroanalytical Aspects of Biological Significance Compounds ed.KERALA: Transworld Research Network, 2006, v.01, p. 1-32.

8. GOULART, M. O. F.; SANTOS, A. F.; SANT'ANA, A. E. G.; ABREU, F. C.; LIMA, N. M. F.; FERRAZ, P. A. L.; CHIARI, É. Molluscidal and trypanocidal activities of lapachol and derivatives. New uses for an old compound In: Natural Products in the New Millenium. ed.Dordrecht: Kluwer Academic Publishers, 2002, v.1, p. 255-261.

9. GOULART, M. O. F.; ABREU, F. C.; FERRAZ, P. A. L.; TONHOLO, J.; GLEZER, V. The Electrochemistry Of Biologically Active 2-Hydroxynaphthoquinones: The Role Of Hydrogen Bonding And Reductive Silylation And Acetylation, Useful Electrochemical Transformations.. In: Novel Trends in Electroorganic Synthesis ed.ALEMANHA/JAPÃO: Springer-Verlag, 1998, p. 359-362.

10. GOULART, M. O. F.; LISBOA, M. B. S.; ABREU, F. C.; ANDRADE, M. H. S.; TONHOLO, J.; NAVARRO, M. Use Of Sacrificial Anodes In The Transformation Of Organic Halides Residuals From Industry. In: Novel Trends in Electroorganic Synthesis ed.ALEMANHA/JAPÃO: Springer-Verlag, 1998, v.1, p. 249-250.

11. UTLEY, J. H. P.; SMITH, C. Z.; GOULART, M. O. F.; CHIU, Y. L.; YAPING, G. Electro-Organic Reactions. Part 39. Novel Electrosynthetic Transforma-Tions Of Quinones, Quinonemethides And Diquinomethanes In: MODERN METHODOLOGY IN ORGANIC SYNTHESIS - PROCEEDINGS OF ISOR 1991 ed.KYOTO: KODANSHA, VCH, 1992, p. 265-281.

12. TOSI, L.; GOULART, M. O. F.; CAVALCANTI, S. B.; BASTOS FILHO, J.; LIMA, N. R. L. B. Mulher e Ciencia In: Mulher e Ciência, coleção Gênero e Cidadania ed.MACEIO: EDUFAL, 1991, v.1, p. 33-49.