PhD seminar title:

SYNTHESIS AND BIOLOGICAL EVALUATION OF 5-ARYLCHALCOGENO-THYMIDINE DERIVATIVES

CURRICUL VITAE

OSCAR ENDRIGO DORNELES RODRIGUES

1 Short CV

Graduation in Chemistry from the Federal University of Santa Maria and PhD from the Graduate Program in Chemistry at the Federal University of Santa Maria under the supervision of prof. Antonio Luiz Braga. Post-doctorate at the Leibniz-Institut of Plant Biochemistry in Halle, Saale (Germany) under the supervision of prof. Doctor, Ludger Wessjohann. He is currently adjunct professor at the Federal University of Santa Maria and head of the LABSELEN-NanoBios group. He has experience in the area of Chemistry, with an emphasis on Organic Synthesis, working especially in the synthesis of bioactive organochalcogen compounds.

2 Bibliometric data

Papers: 91

Patents: 5

H-Index: 27

Citations: 2076

Academic advisory concluded

Master´s thesis: 13

PhD thesis: 10

3 Selection of the 10 most relevant publications and/or patents

1. Chalcogenium-AZT Derivatives: A Plausible Strategy To Tackle TheRT-Inhibitors-Related Oxidative Stress While Maintaining Their Anti-HIV Properties. CURRENT MEDICINAL CHEMISTRY, v. 30, p. 2449-2462, 2023.
2. Antiviral Effect of 5--Arylchalcogeno-3-aminothymidine Derivatives in SARS-CoV-2 Infection. MOLECULES, v. 28, p. 6696, 2023.
3. Overcoming MDR by Associating Doxorubicin and pH-Sensitive PLGA Nanoparticles Containing a Novel Organoselenium Compound-An In Vitro Study. PHARMACEUTICS, v. 14, p. 80, 2022
4. Synthesis, antioxidant and antitumoral activity of new 5--arylchalcogenyl-3-- N</i> -(E</i>)-feruloyl-3-, 5--dideoxy-amino-thymidine (AFAT) derivatives. NEW JOURNAL OF CHEMISTRY, v. 46, p. 22306-22313, 2022
5. Synthesis and biological evaluation of new antioxidant and antiproliferative chalcogenobiotin derivatives for bladder carcinoma treatment. BIOORGANIC & MEDICINAL CHEMISTRY, v. 28, p. 115423, 2020
6. Diversity Driven Decoration and Ligation of Fullerene by Ugi and Passerini Multicomponent Reactions. CHEMISTRY-A EUROPEAN JOURNAL, v. 24, p. 9788-9793, 2018
7. A New Protocol for the Synthesis of New Thioaryl-Porphyrins Derived from 5,10,15,20-Tetrakis(pentafluorophenyl)porphyrin: Photophysical Evaluation and DNA-Binding Interactive Studies. MOLECULES, v. 23, p. 2588, 2018
8. Revitalizing the AZT Through of the Selenium: An Approach in Human Triple Negative Breast Cancer Cell Line. FRONTIERS IN ONCOLOGY, v. 8, p. 525/1-10, 2018
9. Synthesis, Antioxidant and Antitumoral Activities of 5?-ArylChalcogeno-3-AminoThymidine (ACAT) derivatives. MedChemComm, v. 8, p. 408-414, 2016

10. . New organochalcogen Multi-target Drug: Synthesis, Antioxidant and Antitumoral Activities of Chalcogenozidovudine derivatives. Journal of Medicinal Chemistry, v. 58, p. 3329-3339, 2015.