



## **Dr. Gustavo Henrique Ribeiro Viana**

Laboratory of Organic Synthesis

Universidade Federal de São João Del-Rei (UFSJ), Avenida Sebastião Gonçalves Coelho, 400, Chanadour, CEP: 35501-295, Divinópolis, MG, Brazil

Email: viana@ufsj.edu.br

### **Qualifications**

2008, Ph.D., Chemistry, Universidade Federal de Minas Gerais, Brazil.

2004, M.S., Chemistry, Universidade Federal de Minas Gerais, Brazil.

2002, B.S., Pharmaceutical Sciences, Universidade Federal de Minas Gerais, Brazil.

### **Overview**

Dr. Viana has experience in the field of Chemistry, with emphasis on Organic Synthesis, working mainly on the following topics: synthesis of bioactive compounds against malaria and cancer, synthesis of marine alkaloid analogues and synthesis in microwaves.

**Profile Details** <http://lattes.cnpq.br/4621416767523365>

### **Last publications**

**2020** - NANOEMULSION COMPOSED OF 10-(4,5-DIHYDROTHIAZOL-2-YL)THIO)DECAN-1-OL), A SYNTHETIC ANALOG OF 3-ALKYLPYRIDINE MARINE ALKALOID: DEVELOPMENT, CHARACTERIZATION, AND ANTIMALARIAL ACTIVITY. EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES **JCR**, p. 105382, 2020.

**2020** - Metabolic activation enhances the cytotoxicity, genotoxicity and mutagenicity of two synthetic alkaloids with selective effects against human tumour cell lines. MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS **JCR**, p. 503294-862, 2020.

**2020** - Design, synthesis, and biodistribution studies of new analogues of marine alkaloids: Potent in vitro and in vivo fungicidal agents against *Candida* spp.. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY **JCR**, v. 210, p. 113048, 2020.

**2020** - Antibacterial and antibiofilm activities of synthetic analogs of 3-alkylpyridine marine alkaloids. MEDICINAL CHEMISTRY RESEARCH **JCR**, v. 29, p. 1084-1089, 2020.

**2019** - Improvement of antimalarial activity of a 3-alkylpyridine alkaloid analog by replacing the pyridine ring to a thiazole-containing heterocycle: Mode of action, mutagenicity profile, and Caco-2 cell-based permeability. EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES **JCR**, v. 138, p. 105015, 2019.

**2019** - Synthetic 3-alkylpyridine alkaloid analogues as a new scaffold against leukemic cell lines: cytotoxic evaluation and mode of action. MEDICINAL CHEMISTRY RESEARCH **JCR**, v. 28, p. 1567-1578, 2019.

**2019** - Halogenation as a strategy to improve antiplasmodial activity: a report of new 3-alkylpyridine marine alkaloid analogs. International Journal of Travel Medicine and Global Health, p. ., 2019.