

Cledir Rodrigues Santos

Resumé

Cledir Santos is a Brazilian citizen, male, 33 years old. He got his BSc in Chemistry by the Federal Rural University of Pernambuco (Brazil, 2002) and then his PhD in Chemistry by the Faculty of Science, University of Porto (Portugal, 2007). Currently his employment is as Scientist Research at the Biological Engineering Research Centre of University of Minho, Braga, Portugal, where is responsible for the research related to the mass spectrometry applied to microbiology using MALDI-TOF ICMS and FT-IR analyses. He has experience in: (1) synthesis of organic materials and their characterisation by NMR spectroscopy and mass spectrometry techniques by MALDI-TOF MS and ESI MS; (2) kinetics of degradation of drugs monitored by HPLC and UV; and (3) characterisation of microorganisms by MALDI-TOF ICMS and FT-IR. He is visiting professor at the University of Minho in the Master's Degree in Child Studies in the area of specialisation in Health Promotion and the Environmental Education. He is Scientific Director of the Company Mycotec Ltd.

Recent peer-reviewed publications

Santos, C., Fraga, M.E., Kozakiewicz, Z., Lima, N. (2010) Fourier transform infrared as a powerful technique for the identification and characterisation of filamentous fungi and yeasts. *Research in Microbiology* **161**, 168-175.

Santos, C., Paterson, R.M.R., Venâncio, A., Lima, N. (2010) Filamentous fungal characterisations by matrix-assisted laser desorption/ionisation time of flight mass spectrometry. *Journal of Applied Microbiology* **108**, 375–385

Santos, C., Capela, R., Pereira, C., Pannecouque, C., De Clercq, E., Moreira, R., Gomes, P. (2009) Structure-Activity Relationships for Dipeptide Prodrugs of Acyclovir: Implications for Prodrug Design. *Eur. J. Med. Chem.*, **44**, 2339–2346.

Paterson, R.R.M., Sariah, M., Lima, N., Zainal Abidin, M.A., **Santos, C.** (2008) Mutagenic and inhibitory compounds produced by fungi affect detrimentally their PCR-based diagnosis and phylogenetic analyses. *Curr. Bioact. Compounds.*, **4**, 245-257.


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