



COST ACTION GREENERING – DATA COLLECTION

First name, Family Name: Anthony J. Burke

Type (Academic or Industrial): Academic

Country: Portugal

Leadership position in the COST: Participant on CA18224

Working Group in which you are involved: WG1

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Laboratory/Company: Centro de Química de Evora-LAQV-Requimte, University of Evora (UE)

Laboratory/Company info:

This centre was established in 2002 and is now part of LAQV-Requimte. It has 12 full-time members, working in key areas like catalysis, synthesis, surface and materials science, computational chemistry, medicinal chemistry and environmental science. It is one of the top centres at UE in terms of scientific productivity, with one Start-up company: Chiratecnics (www.chiratecnics.com).

Link to the home page of the Laboratory/Company:

<http://www.dquim.uevora.pt/>, <http://www.burkegroup.uevora.pt/>

Fields of expertise:

- Homogeneous and Heterogeneous catalysis, asymmetric catalysis, polymer chemistry, green chemistry, materials science, organic synthesis.

5 Main publications or patents:

- Active Pharmaceutical Ingredients in Synthesis, Catalytic Processes in Research and Development, **A.J. Burke**, C.S. Marques, G.J. Hermann and Nicholas Turner, Wiley-VCH, ISBN 978-3-527-34241-9. Sep. **2018**.
- C.S. Marques, H. R. Viana, C. Correia, L. Vieira, L.P. Galvão, K. Gilmore, P.H. Seeberger, **A.J. Burke**, *ChemistrySelect*, **2018**, 3, 11333-11338
- C.S. Marques, S.E. Lawrence, **A.J. Burke**, *Synlett*, **2018**, 29, 497-502.
- S. Fernandes, R. Porta, P. Barrulas, A. Puglisi, **A.J. Burke**, M. Benaglia, *Molecules*, **2016**, 21, 1182(1-9).
- P. Barrulas and **AJ Burke**, Novel Picolinamide-Cinchona Organocatalysts and derivatives, **US9844773**.

Collaborations:

Maurizio Benaglia (Univ. Milan), Nick Turner (Univ. Manchester), Peter Seeberger (Max Planck Potsdam), Óscar Lopez (Univ. Seville), José Padrón (Univ. La Laguna). Luís Branco (LAQV-Requimte-UNL), Maria Laura Bolognesi (Univ. Bologna).



Facilities:

- NMR 400 MHz Bruker Avance III
- Microwave Reactor BioTage
- Buchi Flash Chromatography
- 2 HPLCs
- ATR-FTIR (Perkin-Elmer)
- DLS Malvern Zetasizer
- SEM Phenom ProX
- GC Agilent