



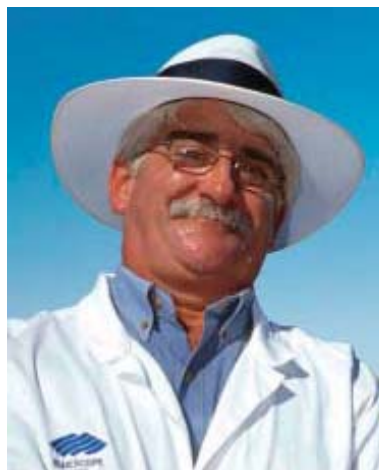
Dr Phil Barker

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Research Interests

Free-radical chemistry (including reactive oxygen species), magnetic resonance (NMR, ESR/EPR), surface coatings science, photocatalysis,

Representative Publications

1. "Profluorescent nitroxides: Sensors and stabilizers of radical-mediated oxidative damage" James P. Blinco, Daniel J. Keddie, Tim Wade, Philip J. Barker, Graeme A. George and Steven E. Bottle, *Polymer Degradation and Stability*, 2008, **93**, 1613.
2. "The interaction of modern sunscreen formulations with surface coatings" Philip J. Barker and Amos Branch, *Progress in Organic Coatings*, 2008, **62**, 313.
3. "Degradation of Poly(methyl methacrylate) Model Compounds at Constant Elevated Temperature Studied via High Resolution Mass Spectrometry (ESI-MS)" F Bennet, T M Lovestead, P J Barker, T P Davis, M H Stenzel and C Barner-Kowollik, *Macromolecular Rapid Communications*, 2007, **28**, 1593.

Current Students

Martin Paine (UOW), Alexander Soeriyadi (UNSW)

Abbreviated CV

BSc and PhD, University of Aston in Birmingham (UK), Postdoctoral research at University College London, University of Victoria (Canada) and ANU. 1985-1988 with Bruker Analytische Messtechnik GmbH (Germany), since 1988 with BHP Research, now BlueScope Steel Research (Port Kembla)