

## CURRICULUM VITAE: Professor David Barrie Johnson



*Occupation/Position:* Professor of Environmental Biotechnology,  
Bangor University, U.K.  
Director of Research: School of Biological Sciences  
Head: *Bangor Acidophile Research Team*

*Other Positions Held:* Honorary Professor, Exeter University, U.K.  
(2008-2013)  
Honorary Professor, Central South University, Changsha,  
China (2008-2013)

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### *Degrees awarded:*

**B.Sc.** (University of Wales, 1975). Soil Science and Biochemistry, Class 1 (with Honours).

**Ph.D.** (University of Wales, 1979). Subject area: Environmental Microbiology. Thesis title "Microbial activity in pyritic environments".

**D.Sc.** (Bangor University, 2008). Title "Advances in Fundamental and Applied Aspects of Acidophilic Microbiology"

### *Fellowships, honors etc.:*

*Fellow of the Learned Society of Wales*

*Industrial Research Fellow of the Royal Society*

### *Academic career:*

1977 - 1979: Demonstrator in Soil Science.

1979 - 1994: Lecturer in Soil Science & Environmental Microbiology.

1994 - 2004: Senior Lecturer in Environmental Microbiology

2004-2008: Reader in Environmental Biotechnology

2008 – present: Professor of Environmental Biotechnology

These appointments have all been at the University of Wales, Bangor (later renamed Bangor University).

### *Research Fellowships:*

- (i) 1989: Research Fellowship, awarded by the U.S. Bureau of Mines/U.S. Department of Energy.
- (ii) 1993; Research Fellowship, awarded by the Associated Western Universities/U.S.

- Department of Energy.
- (iii) 2007-2011: Industrial Fellowship, awarded by the Royal Society (U.K.).

## Research Synopsis

**(i) Grant Capture:** Research has been supported by 68 grant awards (from UK research councils, U.K. government, the European Union and a variety of multinational industrial companies and SMEs), of total value of ca. £6 million (1984-present).

**(ii) Research Publications:** >300 journal articles, refereed conference proceedings and book chapters (including two edited textbooks), plus numerous conference abstracts.

**(iii) Lectures at Conferences, Symposia and Workshops:** ~120 (mostly overseas and invited talks). Highlighted invited keynote lectures: (i) *South African Biotechnology Conference for the New Millenium* (2000); (ii) *International Biohydrometallurgy Symposia* (1999, 2005 & 2011); (iii) *Primer Congreso Internacional Biolixiviacion y Bioremediacion* (First International Conference on Bioleaching and Bioremediation), Universidad Arturo Prat, Iquique, Chile. Invited keynote speaker. October, 2007; (iv) *3<sup>rd</sup> International Conference on Mathematics and Natural Sciences*, and *International Seminar on Environmental Microbiology*. Java and Bali (Indonesia), November 2010.; (v) *4<sup>th</sup> EuCheMS Chemistry Congress*, Prague, August 2011; (vi) *Symposium on Invisible Mining: The development and application of in situ extraction technologies*, Perth, Australia, October 2014; (vii) *Frontiers in Mine Water Technology*. University of Minnesota, USA. September, 2016..

**(iv) Other activities:** (a) Representative of the *International Atomic Energy Association* (IAEA) to advise on their remediation strategy for abandoned mines in Peru (2004 and 2006); (b) delegate of the BBSRC research council (visits to Montserrat, West Indies, and Montreal, Quebec); (c) instructor at international workshops in Chile and Sweden; (d) research featured in television and radio broadcasts, and in the printed press (including *The Economist*, and *Scientific American*, where his research was highlighted as one of “10 world changing ideas” in their December 2011 edition).