

## Richard Mark Dinsdale



Professor Dinsdale has been actively researching biohydrogen production and related aspects for over a decade, with funding from e.g. funding from the EPSRC, including “Sustainable Biohydrogen Production - Process Optimisation” (GR/R22520/01) with collaboration from the UK agricultural advisory service (ADAS) on biomass crops for fermentative H<sub>2</sub> production, the SUPERGEN Sustainable Hydrogen Energy Consortium, UKSHEC I where he led the hydrogen generation theme and in which, the world’s first pilot scale biohydrogen reactors operating on energy crops has been developed. The subsequent SUPERGEN SHEC, UKSHEC II, fermentative hydrogen production was augmented by hydrogen from electro-biological electrolysis. This builds on the SUPERGEN V Biological Fuel Cells programme, to which he has and continues to contribute. Also, “Feasibility of Sustainable Hydrogen Production from Wheat Starch-based Food Industry Co-products” funded through the UK Carbon Trust, has developed to pilot scale research. An EPSRC CASE with Thames Water on hydrogen from sewage biosolids led to an FP6 Project, REMOVALS. Professor Dinsdale led a project with three Marie Curie fellowships, which used SRIF funding, to extend SERC’s interdisciplinary and collaborative research capacity. Furthermore, the Waste Treatment Technology Network funded by the ERDF Knowledge Exploitation; the EU Interreg III funded project, “Wales & Ireland Rural Hydrogen Energy Project”; a DTI BioWISE project; The ERDF, Air Liquide and WG funded CymruH2Wales project including the Renewable Hydrogen Research and Demonstration Centre at Baglan Energy Park funded by ERDF, are also indicative of his ongoing research activities and interests.

His presentation on: **Hydrogen Production from Low Grade Biomass**