

## List of Successful PhD Proposals 2009

Title	Organisation	Supervisor
Catalysts for the promotion of green selective oxidation reactions	University College Dublin	James Sullivan
Biodegradable Imidazolium and Pyridinium Reagents	Trinity College Dublin	Stephen Connon
Selective Catalysts for green oxidation: upping performance reducing waste.	NUI Galway	Patrick O'Leary
In situ Enzymatic Conversion of Biomass into Glucose in Biodegradable Enzyme-compatible Ionic Liquids	Dublin City University	Nick Gathergood
Fixation, Storage and Activation of CO <sub>2</sub> using Iminodiacetic Acid-Based Coordination Complexes	Trinity College Dublin	Wolfgang Schmitt
Remote sensing of grasslands for evaluating compliance with key environmental legislation	University College Dublin	Nicholas Holden
Development of an intelligent intermittently aerated sequencing batch reactor (IIASBR) technology for nutrient-rich wastewater treatment with-a-view to commercialization	NUI Galway	Xinmin Zhan
Biodiscovery of microalgal strains and microalgal technology development for carbon capture and mitigation in Ireland.	University College Cork	Charles Spillane
Development of novel, environmentally neutral, biodegradable, flocculants and biofilters based on biomass and derivatives for water treatment	Dublin City University	Ian Marison
Irish bio-composites for building.	Trinity College Dublin	Sara Pavia
The impact of on-site wastewater treatment for small community developments on groundwater	Trinity College Dublin	Laurence Gill
Assessment of environmental compliance of waterbodies through integration of monitoring and modelling	NUI Galway	Michael Hartnett