

**Research Fellowship Scheme 2007 – Successful Submissions
STRIVE Programme 2007-2013**

Biodiversity		
<i>Nutrient and Ecosystem Dynamics in Ireland's only marine nature reserve (NEIDIN)</i>	University College Cork	Mark Jessopp
<i>Biodiversity of aquatic Coleoptera in the Irish farmed landscape. The significance of ponds.</i>	University College Dublin	Margherita Gloria
<i>Anthropogenic impacts on marine biodiversity</i>	University College Dublin	Nessa O'Connor
Waste, Resource Management & Chemicals		
<i>Spent Mushroom Compost (SMC) Management and Options for Use</i>	Dundalk Institute of Technology	Siobhan Jordan
<i>Development of specific bacterial detoxification enzymes as bioindicators and biosensors of environmental pollution</i>	Institute of Technology Carlow	Martina McGuinness
<i>Biosensors arrays for estimation of wastewater toxicity</i>	NUI Galway	Paul Kavanagh
Soils		
<i>Soil carbon in bioenergy crops: a source or a sink?</i>	University College Cork	Kenneth Byrne
<i>WORMCOM (earthWORM COMMunities): Earthworm species patterns and interaction effects on soil organic matter</i>	University College Dublin	Mickael Hedde
Environmental Technologies		
<i>Zero Carbon Emission Microfuel Cell Design</i>	University College Cork	Lorraine Nagle
<i>Emerging of new nano-technologies for separation of ethanol and water for bio-ethanol production</i>	University College Cork	Donal Keane
<i>Minimisation of hazardous waste generated by CIP operations in the dairy processing industry</i>	University of Limerick	Angela Boyce

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<i>Recombinant DNA approaches to enhance activity of the pathway for degradation of the toxic pollutant styrene in the bioreactor isolate P.putida CA-3: a biotechnologically significant metabolic route</i>	University College Cork	Mark O'Mahony
Environment & Health		
<i>Establishment and validation of human blood-brain barrier model for screening and risk assessment of nanoparticle access to the brain</i>	University College Dublin	Meredith Brown
<i>Health effects associated with the atmospheric degradation of polycyclic aromatic hydrocarbon</i>	University College Cork	Shouming Zhou
<i>Nanotechnology: engaging the public health, environmental and social issues</i>	Dublin City University	Padraig Murphy