

Full listing of EPA sponsored Masters Projects

Last updated: 01/03/2010

Project Code	Initial Title	Organisation Name	Supervisor	Student Name
2004-CPS-1-M3	Advanced control of an evaporator and spray dryer process	Cork Institute of Technology	Mr Tom O'Mahony	
2004-CPS-2-M3	Distributed Avoidance and Recovery Technologies (DART)	Cork Institute of Technology	Dr Noel Duffy	
2004-CPS-3-M3	Solvent Targeting, Avoidance & Recovery Trials (START)	Cork Institute of Technology	Dr Noel Duffy	
2004-CPS-4-M3	Zero Effluent Stretch Target (ZEST)	Cork Institute of Technology	Dr Noel Duffy	
2004-CPS-I	Development of a cleaner production and consumption audit specification for industrial estates	University College Cork	Mrs Aveen Henry	
2005-ET-S-7-M3	From a 'waste' into useful material: identifying adsorption capacity of dewatered alum sludge for phosphorus removal	University College Dublin	Dr Yaqian Zhao	Yongzhe Yang
2005-S-ET-8-M3	Enhanced vacuum drying through improved solvent recovery, reduced process cycle times and prediction of drying duration	Cork Institute of Technology	Mr Cilian Ó Súilleabháin	Diana Mesa
2005-S-ET-10-M3	Enhanced pervaporation using a novel permeate recovery technology	Cork Institute of Technology	Mr Cilian Ó Súilleabháin	Alvaro Lagartos
2005-S-ET-11-M3	Anaerobic Digestion in Ireland: Decision Support Software	Cork Institute of Technology	Dr. Jerry Murphy	Marco Poliafico
2005-S-ET-12-M4	Evaluating Microbial Biosensors to Detect PCB Contamination and Degradation in a range of Water/Soil Environments and Conditions	Carlow Institute of Technology	Dr David Ryan	Monica Dempsey
2005-S-ET-13-M3	Technical and Economic Feasibility of utilising Construction and Demolition Waste and Dredge Material as Landfill Liner	Cork Institute of Technology	Mr JP Murphy	John Riordan

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2005-S-ET-14-M3	The development of nanoliquid chromatography-mass spectrometry (nanoLC-MS) methods for the determination of triazine herbicides and endocrine disruptors in wastewater, lake water and drinking water.	Cork Institute of Technology	Dr Ambrose Furey	Michael Cahill
2005-ET-S-15-M3	Development of an Irish Building Environmental Assessment Method	Energy Research Group, University College Dublin (ERG UCD)	Prof. J Owen Lewis	Neasa Hourigan
2006-S-ET-1	A Technical, Environmental and Economic Analysis of Dredge Material Recovery and Reuse Techniques for Ireland	Cork Institute of Technology	Dr Joseph Harrington	Colm Sheehan
2006-S-ET-2	The Implementation of the European Pollution Emission Register (EPER) to Urban Waste Water Treatment Plants in Ireland	Limerick Institute of Technology	Dr Joesphine Tracey	Carol Meagher
2006-S-ET-3	Transformation of food processing wastes into value added products.	Institute of Technology, Tralee	Dr Brendan McCarra	Aine O'Leary
2006-S-ET-4	Pulsed-UV light inactivation of Cryptosporidium spp. oocysts in drinking water supplies in Ireland	Athlone Institute of Technology	Dr Neil J Rowan	Mary Garvey
2006-S-ET-5	An investigation of the effects of enzymatic additions on anaerobic sludge dewatering properties	Institute of Technology, Sligo	Dr John Bartlett	Yvonne Anders
2006-S-ET-6	Treatment of industrial waste water containing active pharmaceutical ingredients with a membrane bioreactor, with the aim of reducing resource consumption	Cork Institute of Technology	Dr Noel Duffy	Padraig O'Maolcatha
2006-S-ET-7	Nematode geno- and ecotoxicology for environmental monitoring of lead, cadmium and zinc pollution in Irish soils.	Institute of Technology Carlow	Dr Thomae Kakouli-Duarte	Eileen Kelly
2006-S-ET-8	Photocatalytic surfaces for cleaning urban air using semi-conductor nanomaterials	Dublin Institute of Technology	Dr Michael Seery	Nicholas Nolan

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2006-S-ET-9	Passive Samplers for Water Quality Monitoring of Persistent Organic Pollutants in the Marine Environment	Dublin Institute of Technology, Kevin Street	Dr Patrice Behan	Susan O'Hara
2006-S-ET-10	Phosphate free conversion coating by nanoceramic technology for the engineering industry.	Galway Mayo Institute of Technology	Dr Sean O'Muircheartaigh	Lisa Phelan
2006-S-ET-11	The development of a bioremediation product: A study of factors affecting biosorption of chromium by a variety of seaweed species.	Waterford Institute of Technology	Dr Peter McLoughlin	Catherine Murphy
2006-S-ET-13	Development of a modified seaweed biofiltration system for the control of metals and other pollutants in an industry waste-stream	Waterford Institute of Technology	Dr Eddy Fitzgerald	Adil Bakir
2007-S-ET-1	Development of chemically engineered nanoporous absorbents for phosphate removal from waste water streams	University College Cork	Dr John Hanrahan / Prof. Michael Morris	Mr. Colm Mc Manamon
2007-S-ET-3	Smart Heating System for Green Homes	Cork Institute of Technology	Dr Tom O'Mahony	Ms Cheryl Camody
2007-S-ET-4	Satellite Remote Sensing as a Tool for Monitoring Vegetation Seasonality	University College Cork	Dr. Ned Dwyer	Mr. Brian O'Connor
2007-S-ET-5	Using Recommendation Technology to Enhance Waste Exchange Services	University College Cork	Dr. Derek Bridge	Mr. Aidan Waugh
2007-S-ET-6	Implementing Passivhaus technologies to reduce environmental emissions in housing in Ireland	University College Dublin	Dr Vivienne Brophy	Mr. Adam Tilford
2007-S-ET-7	The Development of a Quality Management System for Urban Wastewater Treatment Plants in Ireland.	Limerick Institute of Technology	Dr. Josephine Treacy	Ms. Niamh Devane
2007-S-ET-8	Organic Photovoltaic Materials - Identification Simulation and Characterisation for Environmentally Safe Systems.	Waterford Institute of Technology	Dr. Joseph O'Mahony	Mr. Daniel Tiemann

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2007-S-ET-10	A cost efficient method for enabling reuse of personal computers	University of Limerick	Dr Colin Fitzpatrick	Eanna Cronin
2008-S-ET-1	An environmental analysis of biopharmaceutical manufacturing in recombinant E. coli, with a view to waste minimization of Phosphorous and Nitrogen content in waste streams generated.	University of Limerick	Prof. G. Walsh	Madeleine Witt
2008-S-ET-2	LED-micro-photochemistry - a New Resources-Efficient Synthesis Tool	Dublin City University	Dr. M. Macka	Oksana Shvydkiv
2008-S-ET-3	Comparison of two biofilm technologies at an EPA/NUI Galway/ Galway County Council small town research and demonstration wastewater treatment facility	NUI Galway	Dr. E. O'Reilly	Colum Regan
2008-S-ET-4	An investigation of the applicability of terrestrial laser scanning technology in biodiversity assessment of a range of forest types.	University College Cork	Prof. J. O'Halloran	Steven Keady
2008-S-ET-5	Application of Wireless Sensor Technology in Waste Water Treatment Plant Environmental Monitoring Systems	Limerick Institute of Technology	Dr. J. Treacy	Anna-Maria Casey
2008-S-ET-6	Development of novel photocatalytic adsorbents for organics removal from water and wastewater	Dublin City University	Dr. John Tobin	David Keane
2008-S-ET-7	Satellite remote sensing as a tool for habitat mapping and subsidence measurement in raised bogs.	University College Cork	Dr. N. Dwyer	Jose Carlos Alonso Garcia
2008-S-ET-8	A comparison of biogas to CHP and transport fuel technologies for small to medium scale projects	Cork Institute of Technology	Dr. N. Power	Daniel Goulding
2008-S-ET-9	Design and testing of novel flat sheet membrane technologies for Pervaporation (PV); Applications in biofuel production.	University College Cork & Environmental Research Institute	Prof. M. Morris	Eoin Flynn
2008-S-ET-10	The Beneficial effects of using Composted material on Golf course fairways.	University College Dublin	Mr. A. Hunter	Michael Buckley

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2008-S-ET-11	Investigation of energy efficiency in Polymer Processing- Internal recycling of energy	Trinity College Dublin	Dr. G. O'Donnell	Peadar Michael Golden.
2008-S-ET-12	Electrochemical Based Sensor for the Determination of Nitrate and Nitrite in Drinking Water	Institute of Technology Tallaght	Dr. Eithne Dempsey/ Dr. T. McCormac	David Ward