Report of President 2011/2012 - School of Agriculture & Food Science

Books

**Professor Mike Gibney**


**Dr Helen Sheridan**


Book Chapters

**Dr John Fry**


**Dr Barry John McMahon**


**Professor Frank Monahan**


**Dr Aifric O'Sullivan**


**Dr Gordon Purvis**

Dr Helen Sheridan


Peer Reviewed Journals

Dr Tommy Boland


Dr Lorraine Brennan


Ni Raghallaigh S, Bender K, Lacey N, Brennan L, Powell FC (2012) The fatty acid

**Dr John Browne**


**Dr Nigel Patrick Brunton**


Rawson, Ashish, Tiwari, Brijesh K., Tuohy, Maria, Brunton, Nigel (2012) 'Impact of frozen storage on polyacetylene content, texture and colour in carrots disks'. *Journal of Food Engineering*.

Rawson, Ashish, Brunton, Nigel, Tuohy, Maria (2012) 'High pressure-temperature degradation kinetics of polyacetylenes in carrots'. *Food Chemistry*.

Keenan, Derek F., Tiwari, Brijesh K., Patras, Ankit, Gormley, Ronan, Butler, Francis, Brunton, Nigel P. (2012) 'Effect of sonication on the bioactive, quality and rheological characteristics of fruit smoothies'. *International Journal of Food Science and Technology*. 
Keenan, Derek F., R., Christian, Gormley, Ronan, Butler, Francis, Brunton, Nigel P. (2012) 'Effect of high hydrostatic pressure and thermal processing on the nutritional quality and enzyme activity of fruit smoothies'. *LWT - Food Science and Technology*.

Keenan, Derek F., Brunton, Nigel P., Mitchell, Michelle, Gormley, Ronan, Butler, Francis (2012) 'Flavour profiling of fresh and processed fruit smoothies by instrumental and sensory analysis'. *Food Research International*.

Keenan, Derek F., Brunton, Nigel P., Gormley, Ronan, Butler, Francis (2012) 'FUNDAMENTAL RHEOLOGY AND QUALITY CHARACTERISTICS OF SOUS-VIDE PROCESSED APPLE PUREES CONTAINING APPLE OR BLACKCURRANT POMACE INCLUSIONS'. *Journal of Food Processing and Preservation*.

Wijngaard, Hilde, Hossain, Mohammad B., Rai, Dilip K. Brunton, Nigel (2012) 'Techniques to extract bioactive compounds from food by-products of plant origin'. *Food Research International*.


Dr Owen Doyle


Professor Alexander Evans


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Dr Alan Fahey


Dr Trudee Fair


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Leal C, Mamo S, Fair T, Lonergan P; (2011) 'Gene Expression in Bovine Oocytes and Cumulus Cells After Meiotic Inhibition with the Cyclin-Dependent Kinase Inhibitor Butyrolactone I'. *Reproduction in Domestic Animals*.

Dr Niamh Forde

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**Dr Mary Forrest**


**Dr Eileen Gibney**


**Professor Mike Gibney**


Dr Margherita Gioria


Dr Olga Grant

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Grant, OM; Davies MJ; Johnson AW, Simpson DW (2012) 'Physiological and growth responses to water deficits in cultivated strawberry Fragaria x ananassa and in one of its progenitors, Fragaria chiloensis'. Environmental and Experimental Botany, 83 :23-32.

Dr Emmeline Hill


Dr Alan Hunter


**Dr Jean-Christophe Jacquier**


**Dr Alan Kelly**


**Professor Patrick Lonergan**


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Leal C, Mamo S, Fair T, Lonergan P; (2011) 'Gene Expression in Bovine Oocytes and Cumulus Cells After Meiotic Inhibition with the Cyclin-Dependent Kinase Inhibitor Butyrolactone I'. *Reproduction in Domestic Animals*.

Dr Bridget Lynch


Dr James Lyng


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Palgan, I.; Munoz, A.; Noci, F.; Whyte, P.; Morgan, D. J.; Cronin, D. A.; Lyng, J. G. (2012) 'Effectiveness of combined Pulsed Electric Field (PEF) and


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**Dr M quarterly Mac Sirt**


**Professor David MacHugh**


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Dr David Magee


Dr Barry John McMahon


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**Professor Frank Monahan**


**Dr Aine Ni Dhubhain**


**Professor Maarten Nieuwenhuis**


**Dr Francesco Noci**


**Dr Anne Nugent**

Danika M. Martyn*, Breige A. McNulty, Anne P. Nugent, Michael J. Gibney (2012) 'Food additives and pre-school children'. *Proceedings of the Nutrition Society*.


Dr Deirdre O'Connor

Dowler, E.A and O'Connor, D.; (2011) 'Rights Based Approaches to Addressing Food Poverty and Food Insecurity in Ireland and the UK'. *Social Science and Medicine*.

Mr Alan O'Doherty

O'Doherty AM, O'Shea LC, Fair T.; (2011) 'Bovine DNA Methylation Imprints Are Established in an Oocyte Size-Specific Manner, Which Are Coordinated with the Expression of the DNMT3 Family Proteins'. *Biology of Reproduction*.

Professor John O'Doherty


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**Dr Conor O'Reilly**


**Professor Dolores O'Riordan**

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**Dr Sharon O'Rourke**


**Dr Aifric O'Sullivan**


**Mr Mick O'Sullivan**

Contini, C., Katsikogianni, M.G., O'Neill, F.T., O'Sullivan, M., Dowling, D.P.,


**Dr Karina Pierce**


**Dr Gordon Purvis**


**Dr Matthew Saunders**


**Dr Olaf Schmidt**


**Dr Helen Sheridan**


**Dr Brian Tobin**


**Other Journals**

**Professor Maarten Nieuwenhuis**


**Conference Publications**

**Dr James Breen**


**Dr Nigel Patrick Brunton**

Rawson A., Tiwari U., Brunton N., Valverde J., Tuohy M., Cummins E.; (2011) A methodology to predict the pre-harvest and post-harvest level of polyacetylenes in carrots *7th International Conference on Predictive Modelling of Food Quality and Safety*, Radisson Blu Royal Hotel, Golden Lane, Dublin, Ireland, 406

**Dr Thomas Cummins**

Cummins, Thomas, Louise Doherty and Sharon O'Rourke; (2011) Map of the Soils of Urban Dublin *5th Annual Irish Earth Observation Symposium : Realising the potential of Earth Observation for the national benefit*, Johnstown Castle, Wexford,

Cummins, Thomas, Louise Doherty and Sharon O'Rourke; (2011) Map of the Soils of Urban Dublin *5th Annual Irish Earth Observation Symposium : Realising the potential of Earth Observation for the national benefit*, Johnstown Castle, Wexford,

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**Dr Alan Fahey**


**Dr John Fry**


**Dr Jean-Christophe Jacquier**


E. Duggan, N. Harbourne, J.C. Jacquier, M. O'Sullivan, D. O'Riordan; (2011) Incorporation of whey protein hydrolysates into acidified milk gels 2011 *EFFoST Annual Meeting*, Berlin,

J.-C. Jacquier, N. Harbourne, E. Marete, D. O'Riordan; (2011) Predictive model for bioactive stability during non-isothermal heat treatment and storage in beverages: Case study of acidified feverfew beverages 7th *International Conference on Predictive Modelling of Food Quality and Safety ICPMF7*,

**Dr Barbara Murphy**
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**Dr Aine Ni Dhubhain**


**Professor Maarten Nieuwenhuis**

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**Dr Anne Nugent**


**Professor Dolores O'Riordan**


**Mr Mick O'Sullivan**


Dr Matthew Saunders


Published Reports

Dr John Fry


Dr Deirdre O'Connor


Other Publications

Dr Alan Hunter


Dr Anne Nugent


Professor John O'Doherty

O'Sullivan, J.T. and O'doherty, J. and Sweeney, T. and others (2012) THE IMPROVEMENT OF GASTROINTESTINAL HEALTH, IMMUNITY AND PERFORMANCE BY DIETARY INTERVENTION.

Dr Conor O'Reilly


Dr David Stead