A bibliography of mycology and plant pathology in Ireland, 1976 to 2000

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ABSTRACT This bibliography includes medical and veterinary mycology, and plant pathology relating to bacteriology and virology. It is based on published work from Ireland, between 1976 and 2000 inclusive, and comprises 859 references. An index of topics is included. There is also a list of 193 theses for which Master or Doctorate degrees were awarded.

INTRODUCTION
In his publication, Mycology and Plant Pathology in Ireland, Muskett (1976) gave an account of the history and development of mycology and plant pathology in Ireland since the first traceable mention of Irish fungi in the scientific sense in 1726. His work included a bibliography containing 1,355 titles, in chronological order, covering the period from 1726 to 1975. The bibliography presented here covers the years 1976 to 2000. The basis of the present work was to search for work on mycology and plant pathology published by authors with an Irish address. Where work relating to Ireland, which was published from an address abroad, was noted, it is included but it was not possible to make a full search for such work.

The principal sources for this work were:
The Review of Plant Pathology and the Review of Medical and Veterinary Mycology, both published by CAB International.
The following journals were also checked for relevant material:

Irish Naturalists’ Journal
Proceedings of the Royal Irish Academy
Proceedings of meetings published by the Royal Irish Academy
Scientific Proceedings of the Royal Dublin Society
Journal of Life Sciences of the Royal Dublin Society
Irish Journal of Agricultural Research later named the Irish Journal of Agricultural and Food Research
Mycologist
Field Mycology

Various reports of meetings, institutes and societies exist, but are not included as they are not readily available in libraries. Some of these were abstracted in the review journals noted above or were published by the Royal Irish Academy and are included. Examples of items not generally presented here would be:

Newsletters of the Society of Irish Plant Pathologists
Reports of meetings of the Irish Botanists
Research reports of An Foras Talúntais/Teagasc
Research reports from Universities

Unfortunately no sources of published lists from fungal forays in Ireland could be located. The British Mycological Society held three forays in Ireland. Records from these may be accessed through the BMS database at <www.britmycolsoc.org.uk>. The BMS forays were held in the following locations:

Tipperary, based at Roscrea, 8-17 Sept. 1989
The Burren and Clare Island, 29 May –5 June 1993
Theses, which resulted in the award of Master or Doctorate degrees during the years 1976 to 2000, are included where titles of these could be accessed. Lists available were incomplete at certain universities.

**BIBLIOGRAPHY**


436. **Legg, A. 2000.** *Panellus stipticus* in Great Britain and Ireland *Field Mycology* **1:** 89-93.


810. **Taggart, P.J., Cooke, L.R., Mercer, P.C. & Shaw, M.W. 1998.** Effects of fungicides used to control *Rhynchosporium secalis* where benzimidazole resistance is present. *Crop Protection* **17**: 727-734.


UNIVERSITY THESSES AWARDED MASTER OR DOCTORATE DEGREES
UNIVERSITY COLLEGE CORK


Sheehan, H.M. 1986. PhD Structural and biosynthetic properties of the protease from Armillaria mellea.

Brown, C.A. 1988. PhD Somaclonal variation as a source of resistance to Phytophthora infestans (Mont.) de Bary in Solanum tuberosum L.


Crowley, J.J. 1991. MSc Development of an ELISA system for the identification of Ustilago nuda.


Macilwraith, K.L. 1992. MSc Management and evaluation of somaclones of potato (Solanum tuberosum L.) for resistance to Phytophthora infectans (Mont.) de Bary and potato viruses.

O’Connor, L. 1993. MSc Development of an ELISA kit for the detection of the plant pathogen Xanthomonas campestris pv. pelargonii.

Pham, T.S. 1994. MSc Tissue culture and genetic manipulation in plant improvement using late blight resistance in potato as a model.


Buckley, K. 1995. MSc Physiological and biochemical studies of ligninolytic white-rot fungi.


Walsh, M.F. 1995. MSc Molecular cloning of the lignin peroxidase gene from the white-rot fungus Bjerkandra adusta.


Birmeta, G. 1997. MSc The application of plant biotechnology to the production, maintenance and multiplication of disease-free potato germplasm.

Carroll, C.M. 1997. MSc Ligninolytic enzymes of the white-rot fungus, Trametes versicolor.


Kinane, J.T. 1998. PhD Isolation and analysis of wheat mutants exhibition increased resistance to Erysiphe graminis f.sp. tritici and Stagonospora nodorum

Toal, E.S. 1998. MSc A study of systemic acquired resistance (SAR) to the fungus Sclerotinia sclerotiorum in oilseed rape (Brassica napus).

Delany, I.R. 1999. PhD Genetic analysis of the production of the antifungal metabolite 2,4, diacetylphloroglucinol by biocontrol strain Pseudomonas fluorescens F113

Murray, E.M. 1999. MSc Genetic fungerprinting of fungal and yeast isolates from cystic fibrosis patients.


UNIVERSITY COLLEGE DUBLIN


Cantwell, B.A. 1977. PhD Isolation, purification and characterisation of a lectin from the aquatic fungus, Saprolegnia.


Hatt, B.P. 1981. PhD The effect of the cell wall on uptake of chemicals by Fusarium culmorum.


Ni Shúilleabháin, C. 1983. PhD Nucleoside transport in Geotrichum candidum

Sheridan, M.H. 1983 PhD Studies on the biosynthesis of metabolites of Fomes annosus (Fr.) Cooke.


O'Mahony, M.R. 1986. PhD Enzyme studies of *Paecilomyces varioti*.

Quigley, T.A. 1986. PhD Studies on the amylolytic system of *Cladosporium gossypicola*.


Morris, E., 1988. MSc Investigations on *Phytophthora fragariae*, the cause of strawberry red core disease in Ireland.


Doyle, P.E. 1990. PhD Studies on clubroot of brassicas: disease assessment, control and resting spore viability in *Plasmodiophora brassicae* (Wor.).


Martin, M.T. 1990. PhD Studies on the metabolites of *Heterobasidion annosum* (Fr.) Bref. and a fungal antagonist.

Coyle, P.M. 1991. M AgrSc The development of a DNA probe for the detection of *Phoma exigua* var. *foveata*, the cause of gangrene of potato.


Scannell, M.C. 1992. PhD Investigations on middle and low repetitive DNA sequences of *Phytophthora cinnamomi* and the application of such sequences as DNA fingerprinting
probes.


Hughes, E.M. 1993. PhD Sucrose utilization and invertase activities of mycorrhizal systems.


O’Reilly, B.P. 1994. MAgrSc Fungicide strategies for the control of *Septoria* diseases of winter wheat.

Zheng, J. 1994. MSc Investigations on ‘oat mosaic’ disease of winter-sown oats dually infected by oat mosaic virus (OMV) and oat golden stripe virus (OGSV).


Duff, B. 1996. MSc Studies on the alpha-glucosidase of *Candida fennica* CBS 5928.


Byrne, J.J. 1998. MAgrSc Disease control and yield improvement in winter wheat using strobilurin and triazole chemicals.

Friel, M.T. 1998. PhD Development of inocula delivery systems for the cultivation of the button mushroom Agaricus bisporus

King, L.M. 1998. PhD Regulation of expression of the chitinase gene (CTSI) in Saccharomyces cerevisiae


Omodo-Eluk, A.J. 1998 MSc Studies on Malassezia pachydermatis from the skin of dogs with allergic dermatitis and from dogs with seborrhoeic dermatitis.


Mulhare, J.J. 1999. MSc Strategies for disease control, grain yield and quality improvement in winter wheat with strobilurin and triazole fungicides.


Lanigan, G.J. 2000. PhD Intraspecific and interspecific comparison of the acclimation of Mycelis muralis in different light environments.

Maguire, M.M. 2000. MAgrSc Field studies on nitrogen and fungicide programmes for grain yield and quality improvements in spring malting barley.

McDonnell, R.M. 2000. PhD Investigation into the role of YRB 1 in the cell cycle of Saccharomyces cerevisiae

Moylan, R.R. 2000. MAgrSc Field studies on nitrogen, fungicide and plant growth regulator inputs on F1 hybrid winter wheat.


Teubig, P. 2000. MAgrSc Presymptomatic detection of Septoria tritici Rob. ex Desm. in winter wheat.
UNIVERSITY COLLEGE GALWAY

Canavan, P.M.T. 1977. PhD Physiological studies on terrestrial and marine fungi.

Hegarty, B.M. 1982. PhD Wood decay by fungi under controlled environmental conditions and in the sea.


McCarthy, T.C. 1997. PhD Studies on the b-(1,3)(1-4)-d glucan degrading activities secreted by Talaromyces emersonii CBS 814.70 and mutant strains

Walsh, D.J. 1998. PhD Purification and characterisation of the exocellubiohydrolases of Talaromyces emersonii CBS 814.70

UNIVERSITY COLLEGE MAYNOOTH

O’Reilly, P. 1984. PhD Ecological studies of Septoria nodorum Berk. (Leptosphaeria nodorum Muller) on symptomless winter wheat.


Law, C.M. 1996. PhD A survey of the effects of several different antifungal/antimycotic drugs on the cell wall and pathogenicity of Candida albicans.


Daly, P.W. 2000. PhD A study of the interaction of Aspergillus fumigatus virulence factors with human cancer
NEW UNIVERSITY OF ULSTER

Brady, D. 1996.  DPhil  Ethanol production by the thermotolerant yeast strain *Kluyveromyces marxianus* IMB3, during growth on lactose-containing media.

Barron, N. 1997.  DPhil  Studies on the bioconversion of cellulose substrates by the thermotolerant yeast, *Kluyveromyces marxianus* IMB3 at 45°C.

Gough, S. 1998.  DPhil  Production of ethanol from molasses using the thermotolerant yeast strain *Kluyveromyces marxianus*.

Keogh, M.P. 1998.  DPhil  The use of the thermotolerant yeast *Kluyveromyces marxianus* IMB3 for ethanol production from whey permeate at 45°C.

QUEEN’S UNIVERSITY, BELFAST

McCracken, A.R. 1976.   PhD  Cultural and ecological studies of the potato gangrene pathogen.

Rartoredjo, I.T. 1978.  MSc  Studies on parsnip canker and review of post harvest losses in tropical food produce.

Musc, M.M. 1979.  PhD  Studies on benomyl tolerant and sensitive strains of *Botrytis cinerea*.


Adikaram, N.K.B. 1981.  PhD  A study of the latent infection of fruit of *Capsicum* spp. by *Colletotrichum capsici* and *Glomerella cingulata*.

Sharma, S. 1981.  PhD  A study of *Septoria nodorum* affecting wheat and barley with special reference to cross-infection


Rhodes, D.J. 1985.  PhD  Effects of fluorescent *Pseudomonas* sp. on the potato blackleg syndrome.

Brady, R. 1987.  PhD  The use of fluorescent antibody technique to study the mechanism of PVY0 transmission by aphids


Finlay, R.A. 1987.  PhD  Microbial suppression of *Phytophthora cinnamomi*.


Marquinez Ramirez, R. 1989.  MSc  Effects of cultivar, pathogen strain and fungicide on development of potato late blight.


Foster, G.D. 1990. PhD The structure and expression of the genome of potato virus S.

Meehan, B.M. 1990. PhD Inter-relationships of members of the carlavirus group.

Soepena, H. 1990. PhD Interactions between strains of *Colletotrichum gloeosporioides* and clones of *Hevea* spp.


Stanley, M.S. 1993. PhD Regulation of polygalacturonase produced by *Colletotrichum musae* in relation to its role as a crown rot pathogen on banana.


Weston, J.H. 1995. PhD Expression of the 3-Terminus of potato virus S.

Chipili, J. 1996. MPhil The genetic diversity in *Colletotrichum falcatum* and its relationship to *C. graminicola* and *C. sublineolum*.


Giannopoulos, G.I. 1996. MSc Microbial interactions in nutrient film technique grown tomatoes.


Taggart, P. 1996. MPhil Benzimidazole resistance in *Rhynchosporium secalis* in Northern Ireland.


**TRINITY COLLEGE DUBLIN**


Clancy, F.G.J.  1979.  PhD  Comparative carbohydrate physiology of susceptible and resistant flax in response to inoculation with the flax rust.


Hickey, E.L.  1980.  PhD  The downy mildew fungus *Peronospora pisi* Sydow in its host *Pisum sativum* in fine-structural and cytochemical investigations of the host-parasite interface and the ultrastructural effects of the systemic fungicide Ridomil.

Chang, L.H.  1982.  PhD  Evaluation of general resistance to *Phytophthora infestans* (Mont.) de Bary in potato and some studies with the systemic fungicide metalaxyl.

Harvey, R.I.E.  1982.  MSc  Some effects of nutrient levels on the deoxyribonucleases of *Aspergillus nidulans* and attempts to identify nuclear deoxyribonuclease.

O'Dowd, A.B.  1983.  MSc  The kinetic mechanism of histidinal dehydrogenase from *Neurospora crassa*.


Casey, A.D.  1986.  MSc  Virus elimination from rose and poplar using meristem tissue culture.


Canning, A.M.  1992.  MSc  The chemistry of *Alternaria chrysanthemi*.


Dawson, D.  1995.  MSc  The role of fungi in the immobilisation and translocation of Cs$^{137}$ in the organic horizons of a conifer forest in Ireland.


O'Reilly, N.  2000.  MSc  Physiological response of spring barley (*Hordeum vulgare* L.) to necrotic blotching.
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British Society for Plant Pathology. Food Security Journal. Contributions toward a bibliography of peach yellows, 1887–1888 Digital copy of scientist Erwin Frink Smith's manuscript on peach yellows disease. Erwin Frink Smith Papers Index to papers of Smith (1854–1927) who was considered the "father of bacterial plant pathology" and worked for the United States Department of Agriculture for over 40 years. Plant Health Progress, Online journal of applied plant pathology. Pacific Northwest Fungi, online mycology journal with papers on fungal plant pathogens. Rothamsted Plant Pathol...