

Professor Owen I. Corrigan

List of Publications

A. Journal Articles

- [1] Ní Ógáin, O., Li, J., Tajber, L., Corrigan, O. I. and Healy, A.M., Particle engineering of materials for oral inhalation by dry powder inhalers. I - Particles of sugar excipients (trehalose and raffinose) for protein delivery, *International Journal of Pharmaceutics*, 405, 2011, p23 - 35
- [2] Nolan, L.M., Li, J., Tajber, L., Corrigan, O.I. and Healy, A.M., Particle engineering of materials for oral inhalation by dry powder inhalers. II - sodium cromoglicate, *International Journal of Pharmaceutics*, 405, 2011, p36 - 46
- [3] D'Arcy D.M., Liu B., Bradley G., Healy A.M., Corrigan O.I., Hydrodynamic and species transfer simulations in the USP 4 dissolution apparatus: considerations for dissolution in a low velocity pulsing flow, *Pharmaceutical Research*, 27, (2), 2010, p246-58
- [4] F Tewes, L Tajber, OI Corrigan, C Ehrhardt, AM Healy, Development and characterisation of soluble polymeric particles for pulmonary peptide delivery, *Eur J Pharm Sci*, 41, (2), 2010, p337-352
- [5] Paluch, K.J., Tajber, L., McCabe, T., O'Brien, J.E., Corrigan, O.I., Healy, A.M., Preparation and solid state characterisation of chlorothiazide sodium intermolecular self assembly suprastructure, *European Journal of Pharmaceutical Sciences*, 41, (5), 2010, p603 - 611
- [6] Caron, V., Tajber, L., Corrigan, O.I. and Healy, A.M., Production of amorphous dispersions of sulfonamides/polyvinylpyrrolidone by ball milling, *Journal of Pharmacy and Pharmacology*, 62, (10 Sp. Iss.), 2010, p1347-1348
- [7] Amaro, M.I., Tajber, L., Corrigan, O.I. and Healy, A.M., Design of experiment to study the effect of spray dryer operating variables on sugar powders intended for inhalation, *Journal of Pharmacy and Pharmacology*, 62, (10 Sp. Iss.), 2010, p1413-1414
- [8] Paluch, K.J., Tajber, L., McCabe, T., O'Brien, J.E., Corrigan, O.I. and Healy, A.M., Preparation and characterisation of novel chlorothiazide potassium solid-state salt forms: intermolecular self assembly suprastructures, *European Journal of Pharmaceutical Sciences*, 41, (5), 2010, p603-611
- [9] Tajber, L., Corrigan, D.O., Corrigan, O.I. and Healy, A.M., Spray drying of budesonide, formoterol fumarate and their composites-I. Physicochemical characterisation, *International Journal of Pharmaceutics*, 367, (1-2), 2009, p79 - 85
- [10] Tajber, L. Corrigan, O.I. and Healy, A.M., Spray drying of budesonide, formoterol fumarate and their composites-II. Statistical factorial design and in vitro deposition properties, *International Journal of Pharmaceutics*, 367, (1-2), 2009, p86 - 96

- [11] Ni Chearuil, Fiona, Corrigan, Owen I., Thermosensitivity and release from poly N-isopropylacrylamide-poly lactide copolymers, *International Journal of Pharmaceutics*, 366, 2009, p21 - 30
- [12] Li X, Radomski A, Corrigan OI, Tajber L, De Sousa Menezes F, Endter S, Medina C, Radomski MW, Platelet compatibility of PLGA, chitosan and PLGA-chitosan nanoparticles., *Nanomedicine (London, England)*, 4, (7), 2009, p735-46
- [13] D'Arcy DM, Healy AM, Corrigan OI, Towards determining appropriate hydrodynamic conditions for in vitro in vivo correlations using computational fluid dynamics., *European Journal of Pharmaceutical Sciences*, 37, (3-4), 2009, p291-9
- [14] Nolan LM, Tajber L, McDonald BF, Barham AS, Corrigan OI, Healy AM, Excipient-free nanoporous microparticles of budesonide for pulmonary delivery., *European Journal of Pharmaceutical Sciences*, 37, (5), 2009, p593-602
- [15] Corrigan OI, Li X, Quantifying drug release from PLGA nanoparticulates., *European Journal of Pharmaceutical Sciences*, 37, (3-4), 2009, p477-85
- [16] Dunne, MM, Ramtoola, Z, Corrigan, OI, Fluphenazine release from biodegradable microparticles: Characterization and modelling of release, *JOURNAL OF MICROENCAPSULATION*, 26, (5), 2009, p403 - 410
- [17] Coughlan, D.C., Corrigan, O.I., Release kinetics of benzoic acid and its sodium salt from a series of poly(N-isopropylacrylamide) matrices with various percentage crosslinking, *Journal of Pharmaceutical Sciences*, 97, (1), 2008, p318 - 330
- [18] Parojcic, J, Corrigan, O. I, Rationale for ibuprofen co-administration with antacids: Potential interaction mechanisms affecting drug absorption, *European Journal of Pharmaceutics and Biopharmaceutics* , 69, (2), 2008, p640 - 647
- [19] Perez, P., Gallardo, A., Corrigan, O.I., Romain, J.S. , Thermosensitivity of N-isopropylacrylamide hydrogels cross-linked with degradable cross-linker, *Journal of Biomaterials Science, Polymer Edition* , 19, (6), 2008, p769 - 783
- [20] Healy, A.M., McDonald, B.F., Tajber, L., Corrigan, O.I. , Characterisation of excipient-free nanoporous microparticles (NPMPs) of bendroflumethiazide, *European Journal of Pharmaceutics and Biopharmaceutics* , 69, (3), 2008, p1182 - 1186
- [21] Parojcic J, Ibric S, Djuric Z, Jovanovic M, Corrigan OI, An investigation into the usefulness of generalised regression neural network analysis in the development of level A in vitro - in vivo correlation, *European Journal of Pharmaceutical Sciences*, 30, (3-4), 2007, p264 - 272
- [22] C. Medina, MJ Santos-Martinez, A. Radomski, OI Corrigan and MW Radomski, Nanoparticles: pharmacological and toxicological significance, *British Journal of Pharmacology*, 150, (5), 2007, p552 – 558

- [23] Nolan, L.M.A., Corish, J., Corrigan, O.I., Fitzpatrick, D., Combined effect of iontophoretic and chemical enhancement on drug delivery - II. Transport across human and murine skin, *International Journal of Pharmaceutics*, 341, (1-2), 2007, p114 - 124
- [24] D'Arcy DM, Corrigan OI, Healy AM, Evaluation of hydrodynamics in the basket dissolution apparatus using computational fluid dynamics - Dissolution rate implications, *European Journal of Pharmaceutical Sciences*, 27, (2-3), 2006, p259 - 267
- [25] Lane ME, Brennan FS, Corrigan OI, Influence of post-emulsification drying processes on the microencapsulation of Human Serum Albumin, *International Journal of Pharmaceutics*, 307, (1), 2006, p16 - 22
- [26] Coughlan DC, Corrigan OI, Drug-polymer interactions and their effect on thermoresponsive poly(N-isopropylacrylamide) drug delivery systems, *International Journal of Pharmaceutics*, 313, 2006, p163 - 174
- [27] Lane ME, Corrigan OI, Paracellular and transcellular pathways facilitate insulin permeability in rat gut, *Journal of Pharmacy and Pharmacology*, 58, (2), 2006, p271 - 275
- [28] Killen BU, Corrigan OI, Effect of soluble filler on drug release from stearic acid based compacts, *International Journal of Pharmaceutics*, (316), 2006, p47 - 51
- [29] Lewis G, Coughlan DC, Lane ME, Corrigan OI, Preparation and release of model drugs from thermally sensitive poly(N-isopropylacrylamide) based macrospheres, *Journal of Microencapsulation*, 23, (6), 2006, p677 - 685
- [30] Corrigan, D.O., Corrigan, O.I. and Healy, A.M, Physicochemical and in vitro deposition properties of salbutamol sulphate/ipratropium bromide and salbutamol sulphate/excipient spray dried mixtures for use in dry powder inhalers, *International Journal of Pharmaceutics*, 322, (1-2), 2006, p22 - 30
- [31] Lane, M.E., Levis, K.A., Corrigan, O.I., Effect of intestinal fluid flux on ibuprofen absorption in the rat intestine, *International Journal of Pharmaceutics*, 309, (1-2), 2006, p60 - 66
- [32] Lane, M.L., Levis, K.A., McDonald, G.S.A., Corrigan, O.I., Comparative assessment of two indices of drug induced permeability changes in the perfused rat intestine, *International Journal of Pharmaceutics*, 312, (1-2), 2006, p196 - 199
- [33] Corrigan DO, Healy AM, Corrigan OI, Preparation and release of salbutamol from chitosan and chitosan co-spray dried compacts and multiparticulates, *European Journal of Pharmaceutics and Biopharmaceutics*, 62, (3), 2005, p295 - 395
- [34] D'Arcy DM, Corrigan OI, Healy AM, Hydrodynamic simulation (computational fluid dynamics) of asymmetrically positioned tablets in the paddle dissolution apparatus: impact on dissolution rate and variability, *Journal of Pharmacy and Pharmacology*, 57, (10), 2005, p1243 - 1250

- [35] Lane ME, Brennan FS, Corrigan OI, Comparison of post-emulsion freeze drying or spray drying processes for the microencapsulation of plasmid DNA, *Journal of Pharmacy and Pharmacology*, 57, (7), 2005, p831 - 838
- [36] M.E. Lane, C. M. O'Driscoll,. and O. I. Corrigan, Quantitative estimation of the effects of bile salt surfactant systems on insulin stability and permeability in the rat intestine using a mass balance model, *Journal of Pharmacy and Pharmacology*, 57, 2005, p169 - 175
- [37] Lidia Tajber, Owen I. Corrigan and Anne Marie Healy, Physicochemical evaluation of PVP–thiazide diuretic interactions in co-spray-dried composites—analysis of glass transition composition relationships, *European Journal of Pharmaceutical Sciences*, 24, (5), 2005, p553 - 563
- [38] N. M. Prendeville M. E. Lane, C. Duffy, C. F. Murphy,, A. Flynn, O. I. Corrigan, Analysis of medicines returned by the general public to the Western Area Health Services Executive in 2004, *Irish Pharmacy Journal*, 83, (3), 2005, p101 - 104
- [39] DC Coughlan, FP Quilty, OI Corrigan, Effect of drug physicochemical properties on swelling/deswelling kinetics and pulsatile drug release from thermoresponsive poly(N-isopropylacrylamide) hydrogels, *JOURNAL OF CONTROLLED RELEASE*, 98, (1), 2004, p97 - 114
- [40] Corrigan D.O., Corrigan O.I. and Healy A.M, Predicting the physical state of spray dried composites: salbutamol sulphate/lactose and salbutamol sulphate/polyethylene glycol co-spray dried systems, *International Journal of Pharmaceutics*, 273, (1-2), 2004, p171 - 182
- [41] M. Crane, N. Hurley, L. Crane, A.M. Healy, O.I. Corrigan, K.M. Gallagher and L.G. McCarthy, Simulation of the USP drug delivery problem using CFD: experimental, numerical and mathematical aspects, *Simulation Modelling Practice and Theory*, 12, 2, 2004, p147 - 158
- [42] N. Kavanagh, OI Corrigan, Swelling and erosion properties of hydroxypropylmethylcellulose (Hypromellos) matrices - influence of agitation rate and dissolution medium composition, *International Journal of Pharmaceutics*, 279, (1-2), 2004, p141 - 152
- [43] McCarthy LG, Bradley G, Sexton JC, Corrigan OI, Healy AM., Computational Fluid Dynamics Modeling of the Paddle Dissolution Apparatus: Agitation Rate, Mixing Patterns, and Fluid Velocities, *AAPS PharmSciTech.*, 5, (2), 2004
- [44] Crane M, Crane L, Healy AM, Corrigan OI, Gallagher KM, McCarthy LG, A Pohlhausen solution for the mass flux from a multi-layered compact in the USP drug dissolution apparatus, *Simulation Modelling Practice and Theory*, 12, 2004, p397- 411
- [45] M. E. Lane, K. A. Levis, and O. I. Corrigan, Pharmacokinetics of amino acid derivatives of ibuprofen in the rat, *European Journal of Pharmaceutical Sciences*, 23S, 2004, pS70 - S71

- [46] M.E. Lane, K. A. Levis, and O. I. Corrigan, Effect of ibuprofen on the rat intestinal permeability of GlySar' *European Journal of Pharmaceutical Sciences*, 23S, 2004, pS75 - S75
- [47] M.E. Lane. K. A. Levis, K.A., O. I. Corrigan, Comparison of two methods for assessment of drug-induced intestinal permeability changes, *European Journal of Pharmaceutical Sciences*, 23S, 2004, pS52 - S52
- [48] M.E. Lane, N. Keating, and O.I. Corrigan, Patient satisfaction with pharmaceutical services at independent and chain pharmacies in the Republic of Ireland, *Irish Pharmacy Journal*, 82, (11), 2004, p486 - 492
- [49] M. E. Lane, C. P. Landowski, P. B. Deasy, J. M. Quigley, G. L. Amidon, O. I. Corrigan, Synthesis and characterization of arginine derivatives of ibuprofen, *AAPS Journal*, 6, (S1:T2290), 2004
- [50] M. E. Lane, K. A. Levis, O. I. Corrigan, Ketoprofen-induced permeability changes in the perfused rat intestine, *AAPS Journal*, S1:W4282, 2004
- [51] Karl A. Levis, Majella E. Lane and Owen I. Corrigan, Effect of buffer media composition on the solubility and effective permeability coefficient of ibuprofen, *International Journal of Pharmaceutics*, 253, (1-2), 2003, p49 - 59
- [52] Owen I. Corrigan, Yvonne Devlin and Jackie Butler, Influence of dissolution medium buffer composition on ketoprofen release from ER products and in vitro–in vivo correlation, *International Journal of Pharmaceutics*, 254, (2), 2003, p147 - 154
- [53] J.A. Marley and O.I. Corrigan, Pharmacy students' views of Community Pharmacy in the aftermath of deregulation, *Irish Pharmaceutical Union Review*, 28, (3), 2003, p111 - 117
- [54] R. Conroy and O. I. Corrigan, Community Pharmacists' Attitudes to ADR reporting, *Irish Pharmacy Journal*, 81, 2003, p354 - 363
- [55] L. Weekes and O. I. Corrigan, Medication errors: A Hospital Pharmacy Survey, *Irish Pharmacy Journal*, 81, 2003, p284 - 288
- [56] Owen I. Corrigan and Majella E. Lane, An analysis of the use of the non-dispensing fee procedure by pharmacists in the General Medical Services (GMS) Scheme, *Irish Pharmacy Journal*, 81, 2003, p483 - 487
- [57] OI Corrigan, RH Gubbins, CM O'Driscoll, Estimation of absorption parameters from the non-steady-state phase in the rat gut perfusion model, *Journal of Pharmacy & Pharmacology*, 55, (4), 2003, p487 - 493
- [58] McCarthy LG, Kosiol C, Healy AM, Bradley G, Sexton JC, Corrigan OI., Simulating the hydrodynamic conditions in the United States Pharmacopoeia paddle dissolution apparatus, *AAPS PharmSciTech*, 4, (2), 2003, pE22

- [59] DO Corrigan, AM Healy and OI Corrigan, The effect of spray drying solutions of bendroflumethiazide/polyethylene glycol on the physicochemical properties of the resultant materials, *International Journal of Pharmaceutics*, 262, (1-2), 2003, p125 - 137
- [60] Leane MM, Cumming I, Corrigan OI., The use of artificial neural networks for the selection of the most appropriate formulation and processing variables in order to predict the in vitro dissolution of sustained release minitables, *AAPS PharmSciTech*, 4, (2), 2003, pE26
- [61] Gubbins RH, O'Driscoll CM, Corrigan OI., The effects of casein on diclofenac release from hydroxypropylmethylcellulose (HPMC) compacts, *International Journal of Pharmaceutics*, 260, (1), 2003, p69 - 76
- [62] A.Rosario Mollo and Owen I. Corrigan, Effect of poly-hydroxy aliphatic ester polymer type on amoxycillin release from cylindrical compacts, *International Journal of Pharmaceutics*, 268, (1-2), 2003, p71 - 79
- [63] Nolan LMA, Corish J, Corrigan OI., Iontophoretic and chemical enhancement of drug delivery - Part 1: Across artificial membranes, *International Journal of Pharmaceutics*, 257, (1-2), 2003, p41 - 55
- [64] MacNamee, B., Cunningham, P., Byrne, S., and Corrigan, O.I., The problem of bias in training data in regression problems in medical decision support, *Artificial Intelligence in Medicine*, 24, 2002, p51 - 70
- [65] Healy, A.M., McCarthy, L.G., Gallagher, K.M. and Corrigan, O.I., Sensitivity of dissolution rate to location in the paddle dissolution apparatus, *J. Pharm. Pharmacology*, 54, (3), 2002, p441 - 444
- [66] Corrigan D.O , Healy A. M, Corrigan O.I., The effect of spray drying solutions of polyethylene glycol (PEG) and lactose/PEG on their physicochemical properties, *International Journal of Pharmaceutics*, 235, (1-2), 2002, p193 - 205
- [67] Mollo R & Corrigan O.I., An Investigation of the Mechanism of Release of the Amphoteric Drug Amoxycillin from Poly(d,l-Lactide-co-glycolide) Matrices, *Pharmaceutical Development and Technology*, 7, 2002, p333 - 343
- [68] L. O'Dwyer, N. O'Brien and O.I. Corrigan, Changing patterns in Community Pharmacy employment in the Republic of Ireland, *Irish Pharmacy Journal*, 80, 2002, p371 - 379
- [69] Karen M. O'Connor and Owen I. Corrigan, The Effect Of A Basic Organic Excipient On The Dissolution Of Diclofenac Salts, *Journal of Pharmaceutical Science*, 91, (10), 2002, p2271 - 2281
- [70] Owen I. Corrigan, Abina M. Crean, Comparative physicochemical properties of hydrocortisone-PVP composites prepared using super critical carbon dioxide by the GAS anti-solvent recrystallization process, by coprecipitation and by spray drying, *International Journal of Pharmaceutics*, 245, (1-2), 2002, p75 - 82

- [71] A. Howlett, N. Arthur and Owen I. Corrigan, An Analysis of ADR Reporting by Pharmacists in Ireland, *Irish Pharmacy Journal*, 80, 2002, p519 - 527
- [72] O.I. Corrigan & B.A Heelan, Characterisation of drug release from diltiazem loaded polylactide microspheres prepared using sodium caseinate and whey protein as emulsifying agents, *Journal of Microencapsulation*, 18, (3), 2001, p335 - 345
- [73] Karen M. O'Connor and Owen I. Corrigan, Comparison of the physicochemical properties of the N-(2-hydroxyethyl) pyrrolidine, diethylamine and sodium salt forms of diclofenac, *International Journal of Pharmaceutics*, 222, 2001, p281 - 293
- [74] Karen M. O'Connor and Owen I. Corrigan, Preparation and characterization of a range of diclofenac salts, *International Journal of Pharmaceutics*, 226, 2001, p163 - 179
- [75] Bronagh U. Killen and Owen I. Corrigan, Factors influencing drug release from stearic acid based compacts, *International Journal of Pharmaceutics*, 228, 2001, p189 - 198
- [76] M. Dunne, O.I. Corrigan & Z. Ramtoola, Influence of dissolution conditions on the degradation properties of polylactide-co-glycolide particles, *Biomaterials*, 21, 2000, p1659 - 1668
- [77] O.I. Corrigan, The latent pharmacy manpower crisis, *Irish Pharmacy Journal*, 78, (1), 2000
- [78] K.M. Gallagher & O.I. Corrigan, Mechanistic aspects of the release of levamisole hydrochloride from biodegradable polymers, *Journal of Controlled Release*, 69, 2000, p261 - 272
- [79] F.O'Nia and O.I.Corrigan, Community Pharmacy Openings: Initial Impact of the new pharmacy contract, *Irish Pharmacy Journal*, 78, (10), 2000, p394 - 401
- [80] P.J. O'Dowd & O.I. Corrigan, Dissolution kinetics of three component non-disintegrating compacts: Theophylline, benzoic acid and salicylamide, *International Journal of Pharmaceutics*, 176, (2), 1999, p231 - 240
- [81] S. Byrne and O.I. Corrigan, An overview of pharmaceutical manpower and services in hospitals situated in the Republic of Ireland during 1998, *Irish Pharmacy Journal*, 77, (7), 1999, p220 - 215
- [82] O.I. Corrigan, Preparation and evaluation of microspheres prepared from whey protein isolate, *Journal of Microencapsulation*, 15, (1), 1998, p93 - 105
- [83] O. I. Corrigan, Preparation and evaluation of microspheres prepared from whey protein isolate, *Journal of Microencapsulation*, 15, (1), 1998, p93 - 105
- [84] O.M. Conaghey, J. Corish & O.I. Corrigan, Iontophoretically assisted in-vitro membrane transport of nicotine from a hydrogel containing ion exchange resins, *International Journal of Pharmaceutics*, 170, (2), 1998, p225 - 237

- [85] O.M. Conaghey, J. Corish & O.I. Corrigan, The release of nicotine from a hydrogel containing ion exchange resins, *International Journal of Pharmaceutics*, 170, (2), 1998, p215 - 224
- [86] M.T. Ledwidge & O.I. Corrigan, Effects of surface active characteristics and solid state forms on the pH solubility profiles of drug-salt systems, *International Journal of Pharmaceutics*, 174, (1-2), 1998, p187 - 200
- [87] B.A. Heelan & O.I. Corrigan, In vitro analysis of the release of incorporated agents from sodium caseinate microspheres, *J. Microencapsulation*, 14, (1), 1997, p63 - 78
- [88] M.T. Ledwidge and O.I. Corrigan, Effects of environmental factors on the dehydration of diclofenac HEP dihydrate and theophylline monohydrate, *International Journal of Pharmaceutics*, 147, 1997, p41 - 49
- [89] M.E. Lane, O.I. Corrigan and C.M. O'Driscoll, Absorption Enhancement Effects of Micellar Systems on a Range of Polyethylene glycols in the Rat Intestine, *Journal of Controlled Release*, 46, (1,2), 1997, p180 - 180
- [90] Corrigan, O.I., The Biopharmaceutic drug classification and drugs administered in extended release (ER) formulations, *Advances in Experimental Medicine & Biology*, 423, 1997, p111 - 128
- [91] A. Raoof, O.I. Corrigan, I. Cumming, J. Butler, J. Devane, Comparison of methodologies for evaluating regional intestinal permeability, *Advances in Experimental Medicine & Biology*, 423, 1997, p181 - 189
- [92] M.G. Carr, J. Corish & O.I. Corrigan, Drug delivery from a liquid crystalline base across visking and human stratum corneum, *International Journal of Pharmaceutics*, 157, (1), 1997, p35 - 42
- [93] M.T. Ledwidge, S.M. Draper, D.J. Wilcock and O.I. Corrigan, Physicochemical characterization of diclofenac N-(2-hydroxyethyl) pyrrolidine: anhydrate and dihydrate crystalline forms, *Journal of Pharmaceutical Sciences*, 85, 1996, p16 - 21
- [94] J.F. Fitzgerald, O.I. Corrigan, Investigation of the mechanisms governing the release of levamisole from poly-lactide-co-glycolide delivery systems, *Journal of Controlled Release*, 42, 1996, p125 - 132
- [95] M.E. Lane, C.M. O'Driscoll and O.I. Corrigan, The relationship between rat intestinal permeability and hydrophilic probe size, *Pharmaceutical Research*, 13, (10), 1996, p1554 - 1558
- [96] A.M. Healy and O.I. Corrigan, The influence of excipient particle size, solubility and acid strength on the dissolution of an acidic drug from two-component compacts, *International Journal of Pharmaceutics*, 143, 1996, p211 - 221
- [97] O.I. Corrigan, Thermal-Analysis of spray-dried products, *Thermochim Acta*, 248, 1995, p245 - 258

- [98] E.B. O'Reilly, O.I. Corrigan, Dissolution Rate of Cholesterol and Palmitic Acid Mixtures in Cholelitholytic Cosolvent Systems, *Journal of Pharmaceutical Sciences*, 84, (2), 1995, p203 - 207
- [99] A.M. Healy, O.I. Corrigan and J.E.M. Allan, The effect of dissolution on the surface texture of model solid dosage forms as assessed by non-contact laser profilometry, *Pharmaceutical Technology Europe*, 7, (9), 1995, p14 - 22
- [100] M. Ring, P. Kennelly and O.I. Corrigan, An investigation of the cholelitholytic potential of N-alkyl pyrrolidone derivatives, *Pharmacology (Life Science Advances)*, 14, 1995, p11 - 17
- [101] M.J. Clancy, J. Corish and O.I. Corrigan, A Comparison of the Effects of Electrical Current and Penetration Enhancers on the Properties of Human Skin using Spectroscopic (FTIR) and Calorimetric (DSC) methods, *International Journal of Pharmaceutics*, 105, (1), 1994, p47 - 56
- [102] J.R. O'Reilly, O.I. Corrigan & C.M. O'Driscoll, The effect of simple micellar systems on the solubility and intestinal absorption of clofazimine (B663) in the anaesthetised rat, *International Journal of Pharmaceutics*, 105, 1994, p137 - 146
- [103] O.I. Corrigan, M.L. Wilkinson, J. Ryan, K. Harte and O.I. Corrigan, The use of microtracers in a medicated premix to determine the presence of Tiamulin in final feed, *Drug Devel. and Industrial Pharmacy*, 20, 1994, p1503 - 1509
- [104] C.M. Fisher and O.I. Corrigan, Pharmacy Manpower 1991: An Analysis of Demographic Characteristics and Emigration Patterns, *Irish Pharmacy Journal*, 71, (1), 1993, p25 - 33
- [105] K.M.S. Faehelelbom, R.F. Timoney and O.I. Corrigan, Micellar solubilization of clofazimine analogues in aqueous solutions of ionic and non-ionic surfactants, *Pharmaceutical Research*, 10, (4), 1993, p631 - 634
- [106] L. M. A. Nolan, J. Corish and O.I. Corrigan, Electrical Properties of Human Stratum Corneum and Transdermal Drug Transport, *J. Chem. Soc. Faraday Trans.*, 89, (15), 1993, p2839 - 2845
- [107] F.C. Millar and O.I. Corrigan, Dissolution mechanism of ibuprofen-casein compacts, *Int. J. Pharm.*, 92, 1993, p97 - 104
- [108] B.A. Heelan and O.I. Corrigan, A comparison of the use of dairy proteins and synthetic polymers as emulsifying agents in the production of pharmaceutical systems, *Irish J. of Agriculture & Food Research*, 32, 1993, p57 - 66
- [109] A.M. Rodriguez Bayon, J. Corish and O.I. Corrigan, In-vitro Passive and Iontophoretically Assisted Transport of Salbutamol Sulphate across Synthetic Membranes, *Drug Development and Industrial Pharmacy*, 19, (10), 1993, p1169 - 1181

- [110] A.M. Healy and O.I. Corrigan, Predicting the dissolution rate of ibuprofen-acidic excipient compressed mixtures in reactive media, *International Journal of Pharmaceutics*, 84, 1992, p164 - 173
- [111] R. M. R. McGloughlin and O.I. Corrigan, Dissolution characteristics of benzoic acid-Tris mixtures, *International Journal of Pharmaceutics*, 82, 1992, p135 - 143
- [112] Z. Ramtoola, O.I. Corrigan and C.J. Barrett, Release kinetics of fluphenazine from biodegradable microspheres, *J. Microencapsulation*, 9, (4), 1992, p415 - 423
- [113] D. Foley, J. Corish, and O.I. Corrigan, Iontophoretic delivery of drugs through membranes including human stratum corneum, *Solid State Ionics*, 53-56, 1992, p184 - 196
- [114] O.I. Corrigan, Co-solvent systems in Dissolution Testing: Theoretical considerations, *Drug Devel. Ind. Pharm.*, 18, (5), 1991, p695 - 708
- [115] F.C. Millar and O.I. Corrigan, Influence of casein on the dissolution rate of hydrochlorothiazide and chlorothiazide, *Drug Devel. Ind. Pharm.*, 17, (12), 1991, p1593 - 1607
- [116] Z. Ramtoola, O.I. Corrigan, and E. Bourke, Characterization of biodegradable microspheres containing dehydro-iso-androsterone, *Drug Devel. Ind. Pharm.*, 17, (13), 1991, p1857 - 1873
- [117] C.M. Fisher, M.C. Henman and O.I. Corrigan, A study of community pharmacy practice, 1: Pharmacists work patterns, *J. Social and Admin. Pharm.*, 8, 1991, p15 - 24
- [118] C.M. Fisher, M.C. Henman and O.I. Corrigan, A study of community pharmacy practice, 2: Prescription Dispensing, *Journal of Social and Administrative Pharmacy*, 8, (2), 1991, p65 - 68
- [119] C.M. Fisher, O.I. Corrigan and M.C. Henman, The Quality of Pharmaceutical Service in Community Pharmacies, *J. Soc. and Admin.*, 8, 1991, p175 - 179
- [120] C.M. Fisher, M.C. Henman and O.I. Corrigan, A study of pharmacy practice. Non-prescribed medicines sales and counselling 3, *Journal of Social and Administrative Pharmacy*, 8, (2), 1991, p69 - 75
- [121] J. Corish and O.I. Corrigan, Transdermal Diffusion of Drug Molecules, *J. Chem. Soc. Faraday Trans.*, 86, (8), 1990, p1317 - 1321
- [122] O.I. Corrigan, Temperature dependence and thermodynamics of partitioning of clofazimine analogues in the n-octanol/water system, *International Journal of Pharmaceutics*, 58, 1990, p107 - 113
- [123] Y.B. Bannon, J. Corish, O.I. Corrigan, J. Devane, M. Kavanagh and S. Mulligan, Transdermal Delivery of Nicotine in Normal Human Volunteers: A Single Dose and Multiple Dose Study, *European Journal Clinical Pharmacology*, 37, 1989, p285 - 290

- [124] J. Corish, O.I. Corrigan and D. Foley, Iontophoretic Transport of Analgesics, *Chemica Oggi*, 6, 1989, p17 - 22
- [125] Z. Ramtoola and O.I. Corrigan, Influence of the Buffering Capacity of the Medium on the Dissolution of Drug-Excipient Mixtures, *Drug Devel. Ind. Pharm.*, 15, (14-16), 1989, p2359 - 2374
- [126] Y.B. Bannon, J. Corish, O.I. Corrigan and J.G. Masterson, Iontophoretically Induced Transdermal Delivery of Salbutamol, *Drug Devel. Ind. Pharm.*, 14, 1988, p2151 - 2166
- [127] Z. Ramtoola and O.I. Corrigan, Effect of Agitation Intensity on the Dissolution Rate of Indomethacin and Indomethacin-Citric Acid Compressed Discs, *Drug Devel. Ind. Pharm.*, 14, 1988, p2241 - 2254
- [128] M.C. Ferrando, M.C. Henman and O.I. Corrigan, Impact of a nationwide limited prescribing list, *Drug Intell. & Clin. Pharm.*, 21, 1987, p653 - 657
- [129] Z. Ramtoola and O.I. Corrigan, Dissolution Characteristics of Benzoic Acid and Salicylic Acid Mixtures in Reactive Media, *Drug Devel. Ind. Pharm.*, 13, 1987, p1703 - 1720
- [130] C.M. Fisher, M.C. Henman and O.I. Corrigan, Employment patterns of male and female pharmacy graduates, *J. Social and Admin. Pharm.*, 5, 1987, p1 - 11
- [131] Y.B. Bannon, J. Corish and O.I. Corrigan, Iontophoretic transport of model compounds from a gel matrix across a cellophane membrane, *Drug Devel. Ind. Pharm.*, 13, (14), 1987, p2617 - 2630
- [132] D.H. Doff, F.L. Brownen and O.I. Corrigan, Determination of alpha impurities in the beta polymorph of inosine using infra-red spectroscopy and x-ray powder diffraction, *The Analyst*, 111, 1986, p179 - 182
- [133] S.C. Mulligan and O.I. Corrigan, Mechanism of dissolution of cholesterol-calcium bilirubinate compressed discs in mono-octanoin, *J. Pharm. Pharmacol*, 38, 1986, p638 - 642
- [134] O.I. Corrigan, Retardation of polymeric carrier dissolution by dispersed drugs: factors influencing the dissolution of solid dispersions containing polyethylene glycols, *Drug Devel. Ind. Pharm.*, 12, 1986, p1777 - 1793
- [135] O.I. Corrigan, Mechanisms of dissolution of fast release solid dispersions, *Drug Devel. Ind. Pharm.*, 11, 1985, p697 - 724
- [136] O.I. Corrigan, E.M. Holohan and M.R. Reilly, Physicochemical properties of indomethacin and related compounds co-spray dried with polyvinylpyrrolidone, *Drug Devel. Ind. Pharm.*, 11, 1985, p677 - 696
- [137] O.I. Corrigan, E.M. Holohan and K. Sabra, Amorphous forms of thiazide diuretics prepared by spray-drying, *International Journal of Pharmaceutics*, 18, 1984, p195 - 200

- [138] S.C. Mulligan, P. Kennelly and O.I. Corrigan, The composition of gallstones from Irish patients, *I. J. Med. Sci.*, 153, 1984, p106 - 111
- [139] O.I. Corrigan and E.M. Holohan, Amorphous spray-dried hydroflumethiazide polyvinylpyrrolidone systems: physicochemical properties, *J. Pharm. Pharmac.*, 36, 1984, p217 - 221
- [140] P.B. Bottini, J.G. Devane and O.I. Corrigan, Sustained absorption does not necessarily reduce the systemic availability of propranolol, *Drug Devel. Ind. Pharm.*, 10, 1984, p1757 - 1775
- [141] O.I. Corrigan, K. Sabra and E.M. Holohan, Physicochemical properties of spray-dried drugs: phenobarbitone and hydroflumethiazide, *Devel. Ind. Pharm.*, 9, (1&2), 1983, p1 - 20
- [142] O.I. Corrigan, Drug prescribing in an orthopaedic hospital with particular reference to night sedative consumption, *I. Med. J.*, 76, 1983, p21 - 24
- [143] K.M. O'Driscoll and O.I. Corrigan, The influence of perfusion rate on salicylate absorption in the rat, *J. Pharm. Pharmac.*, 35, 1983, p814 - 815
- [144] K.M. O'Driscoll and O.I. Corrigan, Chlorothiazide - polyvinylpyrrolidone (PVP) interactions: influence on membrane permeation (everted rat intestine) and dissolution, *Drug Devel. Ind. Pharm.*, 8, (4), 1982, p547 - 564
- [145] O.I. Corrigan and C.T. Stanley, Mechanism of drug dissolution rate enhancement from betacyclodextrin-drug systems, *J. Pharm. Pharmac.*, 34, (2), 1982, p621 - 626
- [146] C.C. Su, M.H. Alkan, J.Y. Park, O.I. Corrigan, W.I. Higuchi, A.F. Hofmann and R.G. Danzinger, Mesophase formation during in vitro cholesterol gallstone dissolution : A specific effect of ursodeoxycholic acid, *J. Pharm. Sci.*, 70, 1981, p713 - 715
- [147] O.I. Corrigan and C.T. Stanley, Dissolution properties of phenobarbitone - beta-cyclodextrin systems, *Pharm. Acta Helvetiae*, 56, 1981, p204 - 208
- [148] O.I. Corrigan, M.A. Farvar and W.I. Higuchi, Drug membrane transport enhancement using high energy drug polyvinylpyrrolidone (PVP) coprecipitates, *International Journal of Pharmaceutics*, 5, 1980, p229 - 238
- [149] O.I. Corrigan and K.M. O'Driscoll, The effect of dosage on the bioavailability of chlorothiazide administered in solution, *J. Pharm. Pharmac.*, 32, 1980, p547 - 549
- [150] O.I. Corrigan, C.C. Su, W.I. Higuchi and A.F. Hofmann, Mesophase formation during cholesterol dissolution in ursodeoxycholate-lecithin solutions: New mechanism for gallstone dissolution in humans, *J. Pharm. Sci.*, 69, 1980, p869 - 871
- [151] O.I. Corrigan, *I. Med. J.*, An analysis of the prescribing of certain hypnotics, sedatives and minor tranquillizers among General Medical Services patients, 72, 1980, p295 - 299

- [152] O.I. Corrigan, Employment Trends in Community Pharmacy in the Republic of Ireland, *IPU Review*, 1980, p266 - 268
- [153] O.I. Corrigan, C.A. Murphy and R.F. Timoney, Dissolution properties of polyethylene glycols and polyethylene glycol-drug systems, *International Journal of Pharmaceutics*, 4, 1979, p67 - 74
- [154] O.I. Corrigan and R.F. Timoney, Towards standardizing agitation conditions in the beaker dissolution method, *International Journal of Pharmaceutics*, 1, 1978, p299 - 302
- [155] O.I. Corrigan, Some aspects of Pharmaceutical Manpower in the Republic of Ireland, *IPU Review*, 3, 1978, p4 - 7
- [156] O.I. Corrigan, R.F. Timoney and M.J. Whelan, The influence of polyvinylpyrrolidone on the dissolution and bioavailability of hydrochlorothiazide, *J. Pharm. Pharmac.*, 28, 1976, p703 - 706
- [157] O.I. Corrigan and R.F. Timoney, The influence of polyethylene glycols on the dissolution properties of hydroflumethiazide, *Pharm. Acta Helvetiae*, 51, 1976, p268 - 271
- [158] O.I. Corrigan and R.F. Timoney, The influence of polyvinylpyrrolidone on the dissolution properties of hydroflumethiazide, *J. Pharm. Pharmac.*, 27, 1975, p759 - 764
- [159] O.I. Corrigan and R.F. Timoney., Some aspects of the influence of formulation on the bioavailability of drugs from solid dosage forms, *I.J. Med. Sc.*, 143, (4), 1974, p197 - 207
- [160] O.I. Corrigan and R.F. Timoney, Anomalous behaviour of some hydroflumethiazide crystal samples, *J. Pharm. Pharmac.*, 26, 1974, p838 - 840
- [161] O.I. Corrigan and R.F. Timoney, In vitro evaluation of the physiological availability of aspirin tablets, *I.J. Med. Sc., Eighth series*, 3, (1), 1970, p15 - 21
- [162] O.I. Corrigan and R.F. Timoney, Dissolution properties of digoxin tablets marketed in the Republic of Ireland, *I. Med. J.*, 69, (3), 1970, p60

B. Book Chapters

- [1] Salt Forms: Pharmaceutical Aspects 1-13, James Swarbrick, James C. Boylan, *Encyclopaedia of Pharmaceutical Technology*, New York, Marcel Dekker Inc., 2004, [OI Corrigan]
- [2] Surfactants in pharmaceutical products and systems, James Swarbrick, James C. Boylan, *Encyclopaedia of Pharmaceutical Technology*, 2nd Ed, New York, Marcel Dekker, Inc., 2002, pp2639 - 2653, [O.I. Corrigan, A.M. Healy]
- [3] Surfactants in pharmaceutical products and systems, Swarbrick, J. and Boylan, J.C., *Encyclopedia of Pharmaceutical Technology*, 2nd Edition, Marcel Dekker, 2002, pp2639 - 2653, [O.I. Corrigan and A.M. Healy]
- [4] Carbenoxolone Sodium in, editor(s) H.G. Brittain, *Analytical profiles of drug substances and excipients*, 1996, pp1 - 44, [S. Pindado, O.I. Corrigan and C.M. O'Driscoll]
Notes: [volume 24]
- [5] Surfactants in pharmaceutical products and systems, James Swarbrick, James C. Boylan, *Encyclopaedia of Pharmaceutical Technology*, New York, Marcel Dekker, Inc., 1996, [O.I. Corrigan, A.M. Healy]
- [6] Drug-polyvinylpyrrolidone coprecipitates in, editor(s) E.W.Smith and H.I. Maibach , *Percutaneous penetration enhancers*, CRC Press, 1995, [O. I. Corrigan]
Notes: [chapter 7.2]
- [7] Drug-polyvinylpyrrolidone coprecipitates in, editor(s) E.W.Smith and H.I. Maibach , *Percutaneous penetration enhancers*, CRC Press, 1995, pp221 - 242, [O. I. Corrigan]
Notes: [chapter 7.2]
- [8] The in vivo modification of the transdermal transport of nicotine using iontophoresis in, *Prediction of Percutaneous Penetration*, vol. 2, 1992, pp410 - 419, [Y.B. Bannon, A.B. Brady J. Corish, O.I. Corrigan, D. Foley, M. Martin]

C. Patents

- [1] J. Corish and O.I. Corrigan, Passive Transdermal Device with Controlled Drug Delivery, 1996, United States Patent number 5,533,995
- [2] Y.B. Bannon, J. Corish, O.I. Corrigan and J.G. Masterson, Transdermal Drug Delivery Device, 1992, United States patent number 5,135,480
- [3] Y.B. Bannon, J. Corish, O.I. Corrigan, E. Geoghegan and J.G. Masterson, Method for the treatment of withdrawal symptoms associated with smoking cessation and preparations for use in said method, 1987, United States Patent number: 4,946,853
- [4] D.E. Panoz and O.I. Corrigan, Medicaments with a high degree of solubility and method for their production, 1982, US Patent No. 4,610,875