

## John O'Halloran PhD DSc Publications

### PEER REVIEWED JOURNAL ARTICLES

---

1. Chen X, O'Halloran J, Jansen MAK. 2018a. Orthophosphate modulates the phytotoxicity of nano-ZnO to *Lemna minor* (L.). *Environmental Technology* 2: 1-9.
2. Chen X, O'Halloran J, Jansen MAK. 2018b. Time matters: The toxicity of Zinc Oxide nanoparticles to *Lemna minor* L. increases with exposure time. *Water, Air, & Soil Pollution* 229: 99-108.
3. Fernández-Bellon D, Wilson MW, Irwin S & O'Halloran J 2018b. Effects of wind energy development and associated changes in land use on bird densities in upland areas. *Conservation Biology*. doi:10.1111/cobi.13239
4. Fernández-Bellon D, Wilson MW, Irwin S, Kelly TC, O'Mahony B, O'Halloran J. 2018. Video evidence of siblicide and cannibalism, movement of nestlings by adults and interactions with predators in nesting Hen Harriers. *Journal of Raptor Research* 52: 393-399.
5. García-Tejero S, Spence JR, O'Halloran J, Bourassa S & Oxbrough A 2018. Natural succession and clearcutting as drivers of environmental heterogeneity and beta diversity in North American boreal forests. *PLOS ONE* 13: e0206931..
6. Jagodzinski LS, O'Donoghue MT, Heffernan LB, van Pelt FN, O'Halloran J, Jansen MA. 2018. Wood ash residue causes a mixture of growth promotion and toxicity in *Lemna minor*. *Science of The Total Environment* 625:667-676.
7. Li L, Wu W, Giller P, O'Halloran J, Liang L, Peng P & Zhao G 2018. Life Cycle Assessment of a Highly Diverse Vegetable Multi-Cropping System in Fengqiu County, China. *Sustainability* 10: 983-999.
8. O'Shea W, O'Halloran J & Quinn JL 2018. Breeding phenology, provisioning behaviour, and unusual patterns of life history variation across an anthropogenic heterogeneous landscape. *Oecologia*: 188(4):953-964
9. Fernández-Bellon D, Wilson MW, Irwin S, Kelly TC, O'Mahony B, O'Halloran J. 2017. Activity patterns of breeding Hen Harriers *Circus cyaneus* assessed using nest cameras. *Bird Study* 64(4):557-561.
10. Graham CT, Wilson MW, Gittings T, Kelly TC, Irwin S, Quinn JL, O'Halloran J. 2017. Implications of afforestation for bird communities: the importance of preceding land-use type. *Biodiversity and Conservation* 26(13):3051-3071.
11. Lusby J, Corkery I, McGuinness S, Fernández-Bellon D, Toal L, Norriss D, Breen D, O'Donail A, Clarke D, Irwin S and others. 2017. Breeding ecology and habitat selection of Merlin *Falco columbarius* in forested landscapes. *Bird Study* 64(4):445-454.
12. O'Halloran J, Kelly TC, Quinn J, Fernández-Bellon D, Caravaggi A, Smiddy P. 2017. Current ornithological research in Ireland: seventh Ornithological Research Conference, UCC, November 2017. *Irish Birds* 10: 598-638.
13. Wilson MW, Fernández-Bellon D, Irwin S, O'Halloran J. 2017. Hen Harrier *Circus cyaneus* population trends in relation to wind farms. *Bird Study* 64(1):20-29.
14. Wilson MW, Irwin S, O'Mahony B, Kelly TC, O'Halloran J. 2017. The effects of fieldwork on Hen Harrier *Circus cyaneus* breeding success. *Irish Birds* 10:457-462.
15. Bullock CH, O'Callaghan C, Dhubain AN, Iwata Y, O'Donoghue C, Ryan M, Upton V, Byrne KA, Irwin S & O'Halloran J. 2016. A review of the range and value of ecosystem services from Irish forests *Irish Forestry* 73:
16. Chen X, O'Halloran J, Jansen MAK. 2016. The toxicity of zinc oxide nanoparticles to *Lemna minor* (L.) is predominantly caused by dissolved Zn. 174: 46-53.
17. Doerr B, O'Halloran J, O'Brien N & van Pelt F. 2016. Investigation of the genotoxic potential of the marine biotoxins azaspiracid 1–3. 121: 61-69.
18. Edwards-Murphy F, Magno M, Whelan PM, O'Halloran J, Popovici EM. 2016. b+WSN: Smart beehive with preliminary decision tree analysis for agriculture and honey bee health monitoring. 124: 211-219.
19. McIntyre O, O'Halloran J. 2016. The gulf between legal and scientific conceptions of ecological 'integrity': the need for a shared understanding in regulatory policymaking. In Byrne E, Mullaly G, Sage C (eds.) *Transdisciplinary Perspectives on Transitions to Sustainability*. Routledge, London and New York. 124-140 pp.

20. O'Callaghan CJ, Irwin S, Byrne K, O'Halloran J. 2016. The role of planted forests in the provision of habitat: an Irish perspective. DOI 10.1007/s10531-016-1125-7.
21. Oxbrough A, García-Tejero S, Spence, O'Halloran J. 2016. Can mixed stands of native and non-native tree species enhance diversity of epigeaic arthropods in plantation forests? 367: 21-29.
22. Pedley SM, Oxbrough A, Martin, RD, Irwin S, Kelly TC, O'Halloran J. 2016. Can ground-based assessments of forest biodiversity reflect the biological condition of canopy assemblages? 359: 190-198.
23. Smiddy P, Fernández-Bellon D & O'Halloran J. 2016. The oldest Dipper *Cinclus cinclus* in Ireland and Britain, thus far. Irish Birds 10:
24. Wilson MW, Fernández-Bellon D, Irwin S, O'Halloran J. 2016. Hen Harrier *Circus cyaneus* population trends in relation to wind farms. 1-10.
25. Devaney J, Barrett B, Barrett F, Redmond J, O'Halloran J. 2015. Forest cover estimation in Ireland using radar remote sensing: A comparative analysis of forest cover assessment methodologies. PLoS ONE, 10:e0133583.
26. Devaney JL, Redmond JJ, O'Halloran J. 2015. Contemporary forest loss in Ireland; quantifying rare deforestation events in a fragmented forest landscape. Applied Geography, 63:346-356.
27. Graham CT, Wilson MW, Gittings T, Kelly TC, Irwin S, Quinn J, O'Halloran J. 2015. Implications of afforestation for bird communities: the importance of preceding land-use type. Biodiversity and Conservation, 1-21.
28. Juhel G, Ramsay RM, Davenport J, O'Halloran J, Culloty SC. 2015. Effect of the microcystin-producing cyanobacterium, *Microcystis aeruginosa*, on immune functions of the Zebra Mussel *Dreissena polymorpha*. Journal of Shellfish Research, 34:433-442.
29. Lahive E, O'Halloran J, Jansen MAK. 2015. A marriage of convenience; a simple food chain comprised of *Lemna minor* (L.) and *Gammarus pulex* (L.) to study the dietary transfer of zinc. Plant Biology, 17:75-81.
30. McCarthy M, Bane V, Garcia Altares M, van Pelt FNAM, Furey A, O'Halloran J. 2015. Assessment of emerging biotoxins (pinnatoxin G and spirolides) at Europe's first marien reserve: Lough Hyne. Toxicon, 108:202-209.
31. Bougaham AF, Moulai R, O'Halloran J. 2014. Trophic ecology of the Grey Wagtail *Motacilla cinerea* before and during the breeding season in the region of Bejaia (Algeria). Comptes Rendus Biologies, 337:466-473.
32. Crowe O, Coombes RH, O'Halloran J. 2014. Estimates and trends of common breeding birds in the Republic of Ireland. Irish Birds, 10:23-32.
33. Crowe O, Musgrove AJ, O'Halloran J. 2014. Generating population estimates for common and widespread breeding birds in Ireland. Bird Study, 61:82-90.
34. Daly E, McCarthy N, O'Halloran J, Irwin S, O'Rathaille M. 2014. Effect of forest litter depth on seed germination efficacy of *Rhododendron ponticum*. Irish Forestry, 71:50-62.
35. Fuller L, Newman M, Irwin S, Kelly T, O'Halloran J. 2014. Ground-dwelling spider diversity in rare European oak and yew woodlands and the impact of grazing. Biodiversity and Conservation, 23:1911-1929.
36. Graham CT, Drinan TJ, Harrison SSC, O'Halloran J. 2014. Relationship between plantation forest and brown trout growth, energetics and population structure in peatland lakes in western Ireland. Forest Ecology and Management, 321:71-80.
37. Graham CT, Wilson MW, Gittings T, Kelly TC, Irwin S, Sweeney OF, O'Halloran J. 2014. Factors affecting the bird diversity of planted and semi-natural oak forests in Ireland. Bird Study, 61:309-320.
38. Harrison SSC, Hutton S, Baars J-R, Cruikshanks R, Johnson J, Juhel G, Kirakowski T, Matson R, O'Halloran J, Phelan P, Kelly-Quinn M. 2014. Contrasting impacts of conifer forests on brown trout and Atlantic salmon in headwater Streams in Ireland. Biology and Environment, 114(B):219-231.
39. Irwin S, Pedley SM, Coote L, Dietzsch AC, Wilson MW, Oxbrough A, Sweeney OF, Moore KM, Martin R, Kelly DL, Mitchell FJG, Kelly T, O'Halloran J. 2014. The value of plantation forests for plant, invertebrate and bird diversity and the potential for cross-taxon surrogacy. Biodiversity and Conservation, 23:697-714.
40. Kelly-Quinn M et al. 2014. Macroinvertebrate assemblages of small upland peatland lakes in Ireland. Biology and Environment, 114(B):233-248.
41. McCarthy M, O'Halloran J, O'Brien NM, van Pelt FNAM. 2014. Does the marine biotoxin okadaic acid cause DNA fragmentation in the blue mussel and the pacific oyster? Mar Environ Res, 101:153-160.
42. McCarthy M, van Pelt FNAM, Bane V, O'Halloran J, Furey A. 2014. Application of passive (SPATT) and active sampling methods in the profiling and monitoring of marine biotoxins. Toxicon, 89:77-86.

43. McDevitt AD, Montgomery WI, Tosh DG, Lusby J, Reid N, White TA, McDevitt CD, O'Halloran J, Searle JB, Yearsley JM. 2014. Invading and expanding: Range dynamics and ecological consequences of the Greater White-toothed Shrew (*Crocidura russula*) invasion in Ireland. *PLoS ONE*, 9:e100403.
44. Nagle T, Mee A, Wilson MW, O'Halloran J, Smiddy P. 2014. Habitat and diet of re-colonising Common Buzzards *Buteo buteo* in County Cork. *Irish Birds*, 10:47-58
45. Oxbrough A, Irwin S, Wilson M, O'Halloran J. 2014. Mechanisms and predictors of ecological change in managed forests: A selection of papers from the second international conference on biodiversity in forest ecosystems and landscapes. *Forest Ecology and Management*, 321:1-4.
46. Pedley SM, Martin RD, Oxbrough A, Irwin S, Kelly TC, O'Halloran J. 2014. Commercial spruce plantations support a limited canopy fauna: Evidence from a multi taxa comparison of native and plantation forests. *Forest Ecology and Management*, 314:172-182.
47. Coote L, Dietzsch AC, Wilson MW, Graham CT, Fuller L, Walsh AT, Irwin S, Kelly DL, Mitchell FJG, Kelly TC, O'Halloran J. 2013. Testing indicators of biodiversity for plantation forests. *Ecological Indicators*, 32:107-115.
48. Drinan T, Graham C, O'Halloran J, Harrison S. 2013. The impact of conifer plantation forestry on the Chydoridae (Cladocera) communities of peatland lakes. *Hydrobiologia*, 700:203-219.
49. Drinan TJ, Foster GN, Nelson BH, O'Halloran J, Harrison SSC. 2013. Macroinvertebrate assemblages of peatland lakes: Assessment of conservation value with respect to anthropogenic land-cover change. *Biological Conservation*, 158:175-187.
50. Drinan TJ, Graham CT, O'Halloran J, Harrison SSC. 2013. The impact of catchment conifer plantation forestry on the hydrochemistry of peatland lakes. *Science of The Total Environment*, 443:608-620.
51. Drinan TJ, O'Halloran J, Harrison SSC. 2013. Variation in the physico-chemical and biological characteristics between upland and lowland (Atlantic) blanket bog lakes in western Ireland. *Biology and Environment*, 113(B):67-91.
52. Fuller L, Irwin S, Kelly T, O'Halloran J, Oxbrough A. 2013. The importance of young plantation forest habitat and forest road-verges for ground-dwelling spider diversity. *Biology and Environment*, 113(B):259-271.
53. Fuller L, Oxbrough A, Gittings T, Irwin S, Kelly TC, O'Halloran J. 2013. The response of ground-dwelling spiders (Araneae) and hoverflies (Diptera: Syrphidae) to afforestation assessed using within-site tracking. *Forestry*, 87:301-312.
54. Graham CT, Irwin S, Wilson M, Gittings T, Kelly T, O'Halloran J. 2013. Tracking the impact of afforestation on bird communities. *Irish Forestry*, 70:172-183
55. Irwin S, Kelly DL, Kelly TC, Mitchell FJG, Coote L, Oxbrough A, Wilson MW, Martin R, Moore KM, Sweeney OF, Dietzsch A, O'Halloran J. 2013. Do Irish forests provide habitat for species of conservation concern. *Biology and Environment*, 113(B):273-279.
56. Murphy V, Carden RF, Harrison SSC, O'Halloran J, Irwin S, Butler F. 2013. Deer in Irish commercial forests. *Irish Forestry*, 70:91-103.
57. O'Halloran J, Irwin S, Kelly T, Quinn J, Wilson M, Smiddy P. 2013. Current ornithological research in Ireland: 6th Ornithological Research Conference, UCC, November 2013. *Irish Birds*, 9:641-687.
58. Carey B, Sáez MJF, Hamilton B, O'Halloran J, van Pelt FNAM, James KJ. 2012. Elucidation of the mass fragmentation pathways of the polyether marine toxins, dinophysistoxins, and identification of isomer discrimination processes. *Rapid Communications in Mass Spectrometry*, 26:1793-1802.
59. Copland AS, Crowe O, Wilson MW, O'Halloran J. 2012. Habitat associations of Eurasian Skylarks *Alauda arvensis* breeding on Irish farmland and implications for agri-environment planning. *Bird Study*, 59:155-165.
60. Donnelly A, Caffarra A, Kelleher C, O'Neill B, Diskin E, Pletsers A, Proctor H, Stirnemann R, O'Halloran J, Peñuelas J, Hodkinson T, Sparks T. 2012. Surviving in a warmer world: environmental and genetic responses. *Climate Research*, 53:245-262.
61. Graham CT, Wilson M, Irwin S, Gittings T, Kelly T, O'Halloran J. 2012. Bird communities of forest roads: preliminary findings of a long term study. *Irish Birds*, 9:367-374.
62. Lahive E, O'Halloran J, Jansen MAK. 2012. Frond development gradients are a determinant of the impact of zinc on photosynthesis in three species of Lemnaceae. *Aquatic Botany*, 101:55-63.
63. O'Connell S, Irwin S, Wilson MW, Sweeney OF, Kelly TC, O'Halloran J. 2012. How can forest management benefit bird communities? Evidence from eight years of research in Ireland. *Irish Forestry*, 69:44-57.

64. Oxbrough A, French V, Irwin S, Kelly TC, Smiddy P, O'Halloran J. 2012. Can mixed species stands enhance arthropod diversity in plantation forests? *Forest Ecology and Management*, 270:11-18.
65. Stirnemann RL, O'Halloran J, Ridgway M, Donnelly A. 2012. Temperature-related increases in grass growth and greater competition for food drive earlier migrational departure of wintering Whooper Swans. *Ibis*, 154:542-553.
66. Wilson M, Gittings T, Pithon J, Kelly T, Irwin S, O'Halloran J. 2012. Bird diversity of afforestation habitats in Ireland: current trends and likely impacts. *Biology and Environment*, 112(B):1-4.
67. Wilson MW, O'Donoghue B, O'Mahony B, Cullen C, O'Donoghue T, Oliver G, Ryan B, Troake P, Irwin S, Kelly TC, Rotella JJ, O'Halloran J. 2012. Mismatches between breeding success and habitat preferences in Hen Harriers *Circus cyaneus* breeding in forested landscapes. *Ibis*, 154:578-589.
68. Bougaham AF, Moulai R, O'Halloran J. 2011. Breeding biology of Grey Wagtails *Motacilla cinerea* at the southern edge of their breeding range (region of Béjaia, Algeria). *Bird Study*, 58:357-360.
69. Copland A, Crowe O, O'Halloran J, Lauder A. 2011. Conserving Ireland's farmland birds: performance and prospects of agri-environment schemes. *Conserving Farmland Biodiversity*, 277:56.
70. Donaghy AM, Green RE, O'Halloran J. 2011. Timing of autumn migration of young Corncrakes *Crex crex*. *Ibis*, 153:425-428.
71. Irwin S, Wilson MW, Kelly TC, O'Mahony B, Oliver G, Troake P, Ryan B, Cullen C, O'Donoghue B, O'Halloran J. 2011. The breeding biology of Hen Harriers *Circus cyaneus* in Ireland over a five year period. *Irish Birds*, 9:165-172.
72. Juhel G, Batisse E, Hugues Q, Daly D, van Pelt FNAM, O'Halloran J, Jansen MAK. 2011. Alumina nanoparticles enhance growth of *Lemna minor*. *Aquatic Toxicology*, 105:328-336.
73. Lahive E, O'Callaghan MA, Jansen MK, O'Halloran J. 2011. Uptake and partitioning of zinc in Lemnaceae. *Ecotoxicology*, 20:1992-2002.
74. Lahive E, O'Halloran J, Jansen M. 2011. Differential sensitivity of four Lemnaceae species to zinc sulphate. *Environmental and Experimental Botany*, 71:25-33.
75. O'Connell MM, Keating U, Mcelligott D, O'Reilly P, O'Callaghan J, O'Halloran J. 2011. An investigation of a novel anomalous pink feather colouration in the Mute Swan *Cygnus olor* in Britain and Ireland. *Wildfowl*, 61:152-165.
76. O'Driscoll D, Škrabáková Z, O'Halloran J, van Pelt FNAM, James KJ. 2011. Mussels increase xenobiotic (azaspiracid) toxicity using a unique bioconversion mechanism. *Environ Sci Technol*, 45:3102-3108.
77. Sweeney OF, Wilson MW, Irwin S, Kelly TC, Gittings T, O'Halloran J. 2011. Breeding birds of native woodlands and plantation forests in Ireland. *Irish Birds*, 9:181-196.
78. Copland A, O'Halloran J. 2010. Agri-environment impacts and opportunities for summer bird communities on lowland Irish farmland. *Aspects of Applied Biology*, 100:77-87.
79. Copland A, O'Halloran J. 2010. Simple and rapid biodiversity assessments (SARBAS): an evaluation method of Ireland's Agri-Environment Scheme. *Aspects of Applied Biology*, 100:385-390.
80. Crowe O, Coombes RH, Lysaght L, O'Brien C, Choudhury KR, Walsh AJ, Wilson JH, O'Halloran J. 2010. Population trends of widespread breeding birds in the Republic of Ireland 1998–2008. *Bird Study*, 57:267-280.
81. James K, Carey B, O'Halloran J, van Pelt FNAM, Škrabáková Z. 2010. Shellfish toxicity: human health implications of marine algal toxins. *Epidemiology and Infection*, 138:927-940.
82. Martin R, Oxbrough A, Gittings T, Kelly TC, O'Halloran J. 2010. New records and rare invertebrate specimens recorded during a decade of forest biodiversity research in Ireland. *Antenna*, 34:111-118.
83. Sweeney OF, Wilson MW, Irwin S, Kelly TC, O'Halloran J. 2010. The influence of a native tree species mix component on bird communities in non-native coniferous plantations in Ireland. *Bird Study*, 57:483-494.
84. O'Sullivan B, Keady B, Keane EM, Irwin S, O'Halloran J. 2010. Data mining for biodiversity prediction in forests. *Proceedings of the 2010 conference on ECAI 2010: 19th European Conference on Artificial Intelligence*:289-294.
85. Oxbrough A, Gittings T, Kelly T, O'Halloran J. 2010. Can Malaise traps be used to sample spiders for biodiversity assessment? *Journal of Insect Conservation*, 14:169-179.
86. Oxbrough A, Irwin S, Kelly TC, O'Halloran J. 2010. Ground-dwelling invertebrates in reforested conifer plantations. *Forest Ecology and Management*, 259:2111-2121.

87. Skrabáková Z, O'Halloran J, van Pelt FNAM, James KJ. 2010. Food contaminant analysis at ultra-high mass resolution: application of hybrid linear ion trap - orbitrap mass spectrometry for the determination of the polyether toxins, azaspiracids, in shellfish. *Rapid communications in mass spectrometry*, 24:2966-2974.
88. Smiddy P, O'Halloran J. 2010. Breeding biology of Barn Swallows *Hirundo rustica* in Counties Cork and Waterford, Ireland. *Bird Study*, 57:256-260.
89. Sweeney OF, Martin RD, Irwin S, Kelly TC, O'Halloran J, Wilson MW, McEvoy PM. 2010. A lack of large-diameter logs and snags characterises dead wood patterns in Irish forests. *Forest Ecology and Management*, 259:2056-2064.
90. Sweeney OF, Wilson MW, Irwin S, Kelly TC, O'Halloran J. 2010. The influence of a native tree species mix component on bird communities in non-native coniferous plantations in Ireland. *Bird Study*, 57:483-494.
91. Sweeney OF, Wilson MW, Irwin S, Kelly TC, O'Halloran J. 2010. Breeding bird communities of second-rotation plantations at different stages of the forest cycle. *Bird Study*, 57:301-314.
92. Sweeney OF, Wilson MW, Irwin S, Kelly TC, O'Halloran J. 2010. Are bird density, species richness and community structure similar between native woodlands and non-native plantations in an area with a generalist bird fauna? *Biodiversity and Conservation*, 19:2329-2342.
93. Wilson MW, Gittings T, Kelly TC, O'Halloran J. 2010. The importance of non-crop vegetation for bird diversity in Sitka spruce plantations in Ireland. *Bird Study*, 57:116-120.
94. Coughlan BM, Moroney GA, van Pelt FNAM, O'Brien NM, Davenport J, O'Halloran J. 2009. The effects of salinity on the Manila clam (*Ruditapes philippinarum*) using the neutral red retention assay with adapted physiological saline solutions. *Marine Pollution Bulletin*, 58:1680-1684.
95. Davenport J, O'Halloran J, Hannah F, McLaughlin O, Smiddy P. 2009. Comparison of Plumages of White-Throated Dipper *Cinclus cinclus* and Blackbird *Turdus merula*. *Waterbirds*, 32:169-178.
96. Kilemade M, Hartl MGJ, O'Halloran J, O'Brien NM, Sheehan D, Mothersill C, van Pelt FNAM. 2009. Effects of contaminated sediment from Cork Harbour, Ireland on the cytochrome P450 system of turbot. *Ecotoxicology and Environmental Safety*, 72:747-755.
97. O'Connell MM, Smiddy P, O'Halloran J. 2009. Lead Poisoning in Mute Swans (*Cygnus olor*) in Ireland: Recent changes. *Biology and Environment*, 109(B):53-60.
98. O'Halloran J. 2009. Ornithology. *The Irish Naturalists' Journal*, 30:149-151.
99. Warner S, Kiely G, Morgan G, O'Halloran J. 2009. Does quantifying antecedent flow conditions improve stream phosphorus export estimation? *Journal of Hydrology*, 378:97-104.
100. Wilson MW, Irwin S, Norriss DW, Newton SF, Collins K, Kelly TC, O'Halloran J. 2009. The importance of pre-thicket conifer plantations for nesting Hen Harriers *Circus cyaneus* in Ireland. *Ibis*, 151:332-343.
101. Cruikshanks R, Lauridsen R, Hartl GJ, Harrison A, Kelly-Quinn M, O'Halloran J, Giller P. 2008. Putting the Sodium Dominance Index to the test as a measure of acid sensitivity across diverse geological conditions and with reference to the influence of plantation forests. *Water Air and Soil Pollution*, 190:221-229.
102. Hourlay F, Libois R, D'Amico F, Sara M, O'Halloran J, Michaux JR. 2008. Evidence of a highly complex phylogeographic structure on a specialist river bird species, the dipper (*Cinclus cinclus*). *Molecular Phylogenetics and Evolution*, 49: 435-434.
103. Irwin S, Wilson MW, Kelly TC, O'Donoghue B, O'Mahony B, Oliver G, Cullen C, O'Donoghue T, O'Halloran J. 2008. A note on the breeding biology of Hen Harriers *Circus cyaneus* in Ireland. *Irish Birds*, 8:331-334.
104. Mullen K, O'Halloran J, Breen J, Giller P, Pithon J, T K. 2008. Distribution and composition of carabid beetle (Coleoptera, Carabidae) communities across plantation forest cycle-Implications for Management. *Forest Ecology and Management*, 256: 624-632.
105. O'Connell M, Rees R, Einarsson O, Spray C, Thorstensen S, J. O'Halloran. 2008. Blood lead levels in wintering and moulting Icelandic Whooper swans over two decades. *Journal of Zoology*, 276:21-27.
106. O'Halloran J. 2008. Ornithology: review. *Irish Naturalists Journal*, 28:449-452.
107. Roycroft D, Irwin S, Wilson MW, Kelly TC, O'Halloran J. 2008. The breeding bird community of Balrath Wood 2007. *Irish Forestry*, 65:60-70.

108. Smith G, Gittings T, Wilson M, French L, Oxbrough A, O'Donoghue S, O'Halloran J, Kelly D, Mitchell F, Kelly T, Iremonger S, AM M, Giller P. 2008. Identifying practical indicators of biodiversity for stand-level management of plantation forests. *Biodiversity and Conservation*, 17:991-1015.
109. Tosh D, Lusby J, Montgomery W, J OHalloran, J. 2008. First record of greater white-toothed shrew *Crocidura russula* in Ireland. *Mammal Review*, 38:321-326.
110. Hartl MG, Kilemade M, Sheehan D, Mothersill C, O'Halloran J, O'Brien NM, van Pelt FNAM. 2007. Hepatic biomarkers of sediment-associated pollution in juvenile turbot, *Scophthalmus maximus* L. *Marine Environmemntal Research*, 64:191-208.
111. Juhel G, O'Halloran J, Culloty SC, O'Riordan R, Davenport J, O'Brien NM, James K, Furey A, Allis O. 2007. *In vivo* exposure to microcystins induces DNA damage in the haemocytes of the zebra mussel, *Dreissena polymorpha*, as measured with the comet assay. *Environmental and Molecular Mutagenesis*, 48:22-29.
112. Kelleher KM, O'Halloran J. 2007. Influence of nesting habitat on breeding Song Thrushes *Turdus philomelus*. *Bird Study*, 54:221-229.
113. O'Halloran J. 2007. Ornithology. *The Irish Naturalists' Journal*, 28:426-428.
114. Oxbrough AG, Gittings T, O'Halloran J, Giller PS, Kelly TC. 2007. Biodiversity of the ground-dwelling spider fauna of afforestation habitats. *Agriculture, Ecosystems & Environment*, 120:433-441.
115. Smiddy P, Cullen C, O'Halloran J. 2007. Time of roosting of Barn Swallows *Hirundo rustica* at an Irish reedbed during autumn migration. *Ringling & Migration*, 23 228-230.
116. Smiddy P, Cullen C, O'Halloran J. 2007. Autumn use of reedbeds by Swallows *Hirundo rustica* and sand Martins *Riparia riparia* in County Cork. *Irish Birds* 8:243-248.
117. Dowling V, Hoarau PC, Romeo M, O'Halloran J, van Pelt FNAM, O'Brien N, Sheehan D. 2006. Protein carbonylation and heat shock response in *Ruditapes decussatus* following p,p'-dichlorodiphenyldichloroethylene (DDE) exposure: A proteomic approach reveals that DDE causes oxidative stress. *Aquatic Toxicology*, 77:11-18.
118. Dowling V, McDonagh B, Cotter EM, O'Brien N, van Pelt FNAM, O'Halloran J, Sheehan D. 2006. Two-dimensional electrophoresis analysis of glutathione affinity-selected proteins from the clam *Tapes semidecussatus*: Evidence for tissue-specific expression of redox proteins. *Comparative Biochemistry and Physiology, Part D*, 3:267-272.
119. Gittings T, O'Halloran J, Kelly T. 2006. The contribution of open spaces to the maintenance of hoverfly (Dipteral, Syrphidae) biodiversity in Irish plantation forests. *Forest Ecology and Management*, 237:290-300.
120. Hartl MGJ, Kilemade M, Coughlan BM, O'Halloran J, van Pelt FNAM, Sheehan D, Mothersill C, O'Brien NM. 2006. A two-species biomarker model for the assessment of sediment toxicity in the marine and estuarine environment. *Journal of Environmental Science and Health*, 41:939-953.
121. Juhel G, Davenport J, O'Halloran J, Culloty S, O'Riordan R, James K, Furey A, Allis O. 2006. Impacts of micro cystins on the feeding behaviour and energy balance of zebra mussels, *Dreissena polymorpha*: a bioenergetics approach. *Aquatic Toxicology*, 79:391-400.
122. Juhel G, Davenport J, O'Halloran J, Culloty S, Ramsay R, James K, Furey A, Allis O. 2006. Pseudodiarrhoea in zebra mussels *Dreissena polymorpha* (Pallas) exposed to microcystins. *Journal of Experimental Biology*, 209:810-816.
123. Kelleher K, O'Halloran J. 2006. The breeding biology of the Song Thrush, *Turdus philomelus*, in an island population. *Bird Study*, 53:142-155.
124. Ni Shuilleabhain S, Mothersill C, Sheehan D, O'Brien NM, O'Halloran J, van Pelt FNAM, Kilemade M, Davoren M. 2006. Cellular responses in primary epidermal cultures from rainbow trout exposed to zinc chloride. *Ecotoxicology and Environmental Safety*, 65:332-341.
125. Oxbrough AG, Gittings T, O'Halloran J, Giller PS, Kelly TC. 2006. The influence of open space on ground-dwelling spider assemblages within plantation forests. *Forest Ecology and Management*, 237:478-491.
126. Oxbrough AG, Gittings T, O'Halloran J, Giller PS. 2006. The initial effects of afforestation on ground-dwelling spider fauna among several habitat types. *Forest Ecology and Management*, 237:404-417 .
127. Wilson MW, Pithon J, Gittings T, Kelly TC, Giller PS, O'Halloran J. 2006. The effects of growth stage and tree species composition on breeding bird assemblages of plantation forests. *Bird Study*, 53:225-236 .
128. Cullen C, Kelly TC, O'Halloran J. 2005. Late summer foraging of the Little Egret *Egretta garzetta* in east county Cork. *Irish Birds*, 7:523-529

129. Davoren M, Ni Shuilleabhain S, Hartl MGJ, Tyrell L, Sheehan D, O'Brien NM, O'Halloran J, van Pelt FNAM, Mothersill C. 2005. Assessing the potential of fish cell lines as tools for the cytotoxicity testing of estuarine sediment elutriates. *Toxicology in Vitro*, 19:421–431.
130. Davoren M, Ni Shuilleabhain S, O'Halloran J, Hartl MGJ, Sheehan D, O'Brien NM, van Pelt FNAM, Mothersill C. 2005. A test battery approach for the ecotoxicological evaluation of estuarine sediments. *Ecotoxicology*, 14:741-755.
131. Doyle U, Crook AC, Smiddy P, O'Halloran J. 2005. Feather lice (Mallophaga) of the Irish Dipper *Cinclus cinclus hibernicus*. *Ring and Migration*, 22:133-137.
132. Gittings T, Giller P, O'Halloran J. 2005. Notable Irish hoverfly (Diptera: Syrphidae) records, 2001 and 2002. *Irish Naturalists' Journal*, 28:132-133.
133. Johnson MJ, Giller PS, O'Halloran J, O'Gorman K, Gallagher MB. 2005. A novel approach to assess the impact of land use activity on chemical and biological parameters in river catchments. *Freshwater Biology*, 50:1273-1289.
134. Ni Shuilleabhain S, Davoren M, Mothersill C, Sheehan D, Hartl MGJ, Kilemade M, O'Brien NM, O'Halloran J, van Pelt FNAM, Lyng FM. 2005. Identification of a multi xenobiotic resistance mechanism in primary cultured epidermal cells from *Oncorhynchus mykiss* and the effects of environmental complex mixtures on its activity. *Aquatic Toxicology*, 73:115-127.
135. Oxbrough AG, Gittings T, O'Halloran J, Giller PS. 2005. Structural indicators of spider communities across the forest plantation cycle. *Forest Ecology and Management*, 212:171-183.
136. Pithon J, O'Halloran J, Moles R. 2005. The influence of coniferous afforestation on lowland farmland bird communities in Ireland: different seasons and landscape contexts. *Landscape and Urban Planning*, 71:91-103.
137. Byrne PA, O'Halloran J. 2004. The impact of ballast water effluent on the Manila clam, *Tapes semidecussatus*. *Ecotoxicology*, 13:311-322.
138. Davenport J, O'Halloran J, Smiddy P. 2004. Plumage temperatures of Dippers *Cinclus cinclus* on the roost and in the hand: implications for handling small passerines. *Ring and Migration*, 24:65-69.
139. Doyle Ú, O'Halloran J, Smiddy P. 2004. Records of the Feather Lice (Mallophaga) *Philopterus cincli* (Denny) and *Myrsidea franciscoloi* (Conci), Two Species New to Ireland. *The Irish Naturalists' Journal*:440-440.
140. Farmer R, Nisbet T, Broadmeadow S, Reynolds B, Giller P, O'Halloran J, Robinson M, Grant S, Hudson J, Haria A. 2004. Sustainability of UK upland forestry: contemporary issues for the protection of freshwaters. *Hydrol. Earth Syst. Sci*, 8:277-278.
141. Giller PS, O'Halloran J. 2004. Forestry and the aquatic environment: studies in an Irish context. *Hydrology and Earth Systems Sciences*, 8:314-326.
142. Hartl MGJ, Coughlan BM, Sheehan D, van Pelt FNAM, Heffron JJA, O'Reilly SJ, Mothersill C, O'Halloran J, O'Brien NM. 2004. The implications of seasonal priming and reproductive activity on the interpretation of Comet Assay data derived exposure from the clam *Tapes semidecussatus* exposed to contaminated sediments. A laboratory experiment. *Mar Environ Res*, 57:295-310.
143. Kilemade M, Hartl MGJ, Sheehan D, Mothersill C, van Pelt FNAM, O'Brien N, O'Halloran J. 2004. An assessment of the pollutant status of surficial sediment in Cork Harbour in the south of Ireland with particular reference to polycyclic aromatic hydrocarbons. *Marine Pollution Bulletin*, 49:1084-1096.
144. Kilemade M, Hartl MGJ, Sheehan D, Mothersill C, van Pelt FNAM, O'Halloran J, O'Brien NM. 2004. Genotoxicity of field-collected inter-tidal sediments from Cork Harbour, Ireland to turbot (*Scophthalmus maximus*). *Environmental and Molecular Mutagenesis*, 44:56-64.
145. Lehane BM, Giller PS, O'Halloran J, Walsh PM. 2004. Relative influences of catchment geology and land use on brown trout populations in southwest Ireland. *Biology and Environment*, 104(B):43-54.
146. Ni Shuilleabhain S, Mothersill C, Sheehan D, O'Brien NM, O'Halloran J, van Pelt FNAM, Davoren M. 2004. *In vitro* cytotoxicity testing in three zinc metal salts using established fish cell lines. *Toxicology in Vitro*, 18:365-376.
147. Cummins ST, O'Halloran J. 2003. The breeding biology of the Stonechat *Saxicola torquata* in southwest Ireland. *Irish Birds*, 7:177-186.
148. Cummins ST, O'Halloran J. 2003. Biometrics of adult and nestling Stonechats *Saxicola torquata* in southwest Ireland. *Ring and Migration*, 21:155-162.

149. Lyons C, Dowling V, Tedengren M, Gardeström J, Hartl MGJ, O'Brien N, van Pelt FNAM, O'Halloran J, Sheehan D. 2003. Variability of heat shock proteins and glutathione S-transferase in gill and digestive gland of blue mussel, *Mytilus edulis*. *Mar Environ Res*, 56:585-597.
150. Murray T, O'Halloran J. 2003. Population estimates of Red Grouse in Owenduff-Nepin SPA, Co Mayo. *Irish Birds*, 7:187-192.
151. O'Halloran J, Irwin S, Harrison S, Smiddy P, O'Mahony B. 2003. Mercury and organochlorine content of dipper *Cinclus cinclus* eggs in south-west Ireland trends during 1990-1999. *Environmental Pollution*, 123:85-93.
152. O'Halloran J, Kelly TC, Newton S. 2003. Ornithological research in Ireland: 4th National Ornithological Research Conference November 2003. *Irish Birds*, 7:271-308.
153. Coughlan BM, Hartl MGJ, O'Reilly SJ, Sheehan D, Mothersill C, van Pelt FNAM, O'Halloran J, O'Brien NM. 2002. Detecting genotoxicity using the Comet Assay following chronic exposure of Manila clam *Tapes semidecussatus* to polluted estuarine sediments. *Marine Pollution Bulletin*, 44:1359-1365.
154. Cummins S, O'Halloran J. 2002. An assessment of the diet of nestling Stonechats *Saxicola torquata* using composition analysis. *Bird Study*, 49:139-145.
155. Irwin S, O'Halloran J, Fitzgerald RD. 2002. Mouth morphology and behavioural responses of cultured turbot towards food pellets of different sizes and moisture content. *Aquaculture*, 205:77-88.
156. Irwin S, O'Halloran J, Fitzgerald RD. 2002. The relationship between individual consumption and growth rates of in juvenile turbot (*Scophthalmus maximus*). *Aquaculture*, 204:65-74.
157. Lehane BM, Giller PS, O'Halloran J, Smith CD, Murphy J. 2002. Experimental provision of large woody debris in streams as a salmonid management technique. *Aquatic Conservation: Marine and freshwater ecosystems*, 12:289-311.
158. O'Halloran J, Smiddy P, Quishi X, O'Leary R, Hayes C. 2002. Trends in Mute Swan blood lead levels: evidence of grit reducing lead poisoning. *Waterbirds*, 25:363-367.
159. Taylor AJ, O'Halloran J. 2002. The decline of the Corn Bunting in the Republic of Ireland. *Biology and Environment*, 102(B):165-175.
160. Byrne PA, O'Halloran J. 2001. The role of bivalve molluscs as tools in estuarine sediment toxicity testing: a review. *Hydrobiologia*, 465:209-217.
161. Hilgerloh G, O'Halloran J, Kelly TC, Burnell GM. 2001. A preliminary study on the effects of oyster culture structures on birds in a sheltered Irish estuary. *Hydrobiologia*, 465:175-180.
162. Lehane BM, Walsh PM, Giller PS, O'Halloran J. 2001. The influence of small-scale variation in habitat on winter trout distribution and diet in an afforested catchment. *Aquatic Ecology*, 35:61-71.
163. Taylor AJ, O'Halloran J. 2001. The diet of Dippers (*Cinclus cinclus*) during an early winter spate and the possible implications for Dipper populations subject to climate change. *Bird Study*, 48:173-179.
164. Byrne PA, O'Halloran J. 2000. Acute and sub-lethal toxicity of estuarine sediments to the Manila Clam *Tapes semidecussatus*. *Environmental Toxicology*, 15:456-467.
165. Cummins S, J. OH, Wilson CJ, Norris D. 2000. An assessment of the diet of nestling Tree Sparrows *Passer montanus* in southeast Ireland. *Irish Birds*, 6:507-512.
166. Gallagher MB, Johnson M, O'Gorman K, O'Halloran J, Giller PS, Clenaghan C. 2000. The impact of clearfelling operations on physiochemical parameters of aquatic ecosystems in south west Ireland. *Verhagen International Verein Limnology*, 27:1108-1115.
167. Johnson M, O' Gorman K, Gallagher M, Clenaghan C, Giller PS, O'Halloran J. 2000. The identification and amelioration of the impacts of clearfelling operations on macroinvertebrates and salmonids in Ireland. *Verhagen International Verein Limnology*, 27:1565-1570.
168. Lehane BM, Giller PS, O'Halloran J, Walsh PM. 2000. Conifer forest location and fish populations in southwest Ireland. *Verhagen International Verein Limnology*, 27:1116-1121.
169. O'Halloran J, Smiddy P, O'Mahony B. 2000. Movements of Dippers *Cinclus cinclus* in southwest Ireland. *Ringing & Migration*, 20:147-151.
170. O'Gorman K, O'Halloran J, Giller PS. 2000. Spatial and temporal variation of freshwater macroinvertebrate communities. *Verhagen International Verein Limnology*, 27:1494-1498.



171. Smiddy P, O'Halloran J, O'Mahony B. 2000. The birds and mammals of Beginish and Young's island (Blaskets), Co Kerry (1988-2001). *Irish Birds*, 6:503-596.
172. Smith CD, Good M, Murphy J, Giller PS, O'Halloran J. 2000. Life-history patterns and spatial and temporal overlap in an assemblage of lotic Plecoptera in the Araglin catchment study area, Ireland. *Archiv für Hydrobiologie*, 150:117-132.
173. Walsh PM, O'Halloran J, Kelly TC, Giller PS. 2000. Assessing and optimizing the influences of plantation forestry on bird diversity in Ireland. *Irish Forestry*, 57:2-10.
174. Byrne PA, O'Halloran J. 1999. Aspects of assaying sediment toxicity in Irish estuarine ecosystems. *Marine Pollution Bulletin*, 39:97-105.
175. Irwin S, Kenny AP, O'Halloran J, Fitzgerald RF, Duggan PF. 1999. Adaptations and validation of a radio-immunoassay kit for measuring plasma cortisol in turbot. *Comparative Biochemistry and Physiology*, 124:27-31.
176. Irwin S, O'Halloran J, FitzGerald RD. 1999. Stocking density, growth and growth variation in juvenile turbot *Scophthalmus maximus*. *Aquaculture*, 178:77-188.
177. O'Halloran J, Smiddy P, O'Mahony B, Taylor AJ, O'Donoghue PD. 1999. Aspects of the population biology of the Dipper in south-west Ireland. *Irish Birds*, 6:125-130.
178. Walsh PM, O'Halloran J, Giller PS, Kelly TC. 1999. Greenfinches *Carduelis chloris* feeding on cones of Noble Fir *Abie procera*. *Bird Study*, 46:119-121.
179. Browne AM, O'Halloran J, Smiddy P. 1998. Introduced Canada Branta canadensis and Greylag Goose *Anser anser* populations in Ireland, 1994. *Irish Birds*, 6:233-236.
180. Clenaghan C, Giller PS, O'Halloran J, Hernan R. 1998. Stream macroinvertebrate communities in a conifer afforested catchment: relationships to physico-chemical and biotic factors. *Freshwater Biology*, 40:175-195.
181. Clenaghan C, O'Halloran J, Giller PS, Roche N. 1998. Longitudinal variation in the hydrochemistry of streams in an Irish conifer afforested catchment. *Hydrobiologia*, 389:63-71.
182. Manning BM et al. 1998. Identification of novel mutations in the ryanodine receptor gene (RYRI) in malignant hyperthermia: genotype phenotype correlation. *American Journal of Human Genetics*, 62:599-609.
183. McCarthy TV, O'Halloran J. 1998. Genotype phenotype correlation in malignant hyperthermia susceptibility. *Acta Anaesthesiologica Scandinavica*, 42:206-209.
184. O'Donoghue PD, O'Halloran J, Cross TF. 1998. The use of bill colour in ageing the Hooded Crow (*Corvus corone cornix*). *Ring and Migration*, 19:1-4.
185. O'Halloran J, Walsh PM, Giller PS, Kelly TC, Duffy BL. 1998. An assessment of avian biodiversity and opportunities for enhancement in Ireland's forests: overview and preliminary results. *Irish Forestry*, 55:2-14.
186. Smiddy P, O'Halloran J. 1998. The breeding biology of the Grey Wagtail *Motacilla cinerea* in south-west Ireland. *Bird Study*, 45:331-336 .
187. Walsh AR, O'Halloran J. 1998. Accumulation of chromium by a population of mussels (*Mytilus edulis* (L.)) exposed to leather tannery effluent. *Environmental Toxicology and Chemistry*, 17:1429-1438.
188. Browne AM, O'Halloran J, Smiddy P. 1997. Post-breeding Survey of Introduced Canada Geese and Greylag Geese in Ireland, 1994. *Irish Birds*, 6:233-236.
189. Duffy BL, O'Halloran J, Kelly TCK, Walsh PM. 1997. The breeding bird community of Balrath wood, 1996. *Irish Forestry*, 54:2-8
190. Fitzpatrick PJ, O'Halloran J, Sheehan D, Walsh AR. 1997. Assessment of a glutathione S-transferase and related proteins in the gill and digestive gland of *Mytilus edulis* (L), as a potential organic pollution biomarkers. *Biomarkers*, 2:51-56 .
191. Irwin S, O'Halloran J. 1997. The wintering behaviour of Coot *Fulica atra* at Cork Lough, south-west Ireland. *Biology and Environment*, 97(B):157-162.
192. O'Halloran J, Kelly TC, Hutchinson CD, Walsh PM, Merne OJ. 1997. Ornithological Research in Ireland: Proceedings of the Third Ornithological Research Conference November 1997. *Irish Birds*, 6:112-155.
193. Taylor AJ, O'Halloran J. 1997. The diet of the Dipper *Cinclus cinclus*: as represented by faecal and regurgitated pellets: a comparison. *Bird Study*, 44:338-347.

194. Walsh AR, O'Halloran J. 1997. The toxicity of leather Tannery effluent to a population of blue mussels *Mytilus edulis*. *Ecotoxicology*, 6:137-152.
195. O'Donoghue PD, O'Halloran J, Cross TF. 1996. Carrion crows (*Corvus corone corone*) in Ireland, 1969-1993. *Irish Birds*, 6:399-406.
196. Sealy S, O'Halloran J, Smiddy P. 1996. Cuckoo hosts in Ireland. *Irish Birds*, 5:381-390.
197. Walsh AR, O'Halloran J. 1996. The accumulation of chromium by mussels *Mytilus edulis* (L) as a function of valency, solubility and ligation. *Mar Environ Res*, 43:41-43.
198. Walsh AR, O'Halloran J. 1996 Chromium speciation in tannery effluent—II. Speciation in the effluent and in a receiving estuary *Water Research* 30 (10), 2401-2411.
199. Walsh AR, O'Halloran J. 1996. Chromium speciation in tannery effluent (I): An assessment of techniques and the role of organic Cr III complexes. *Water Research*, 30:2393-2400.
200. O'Halloran J. 1995. The Dippers. *Irish Birds*, 5:369-370.
201. O'Halloran J, Giller PS, Sheehan D, O'Donovan G, Higgs B, Allen A. 1995. Abstracts from the Proceedings of the Fifth Environmental Researchers Colloquium, University College Cork, January 1995. *Biology and Environment*, 95(B):123-168.
202. O'Halloran J, Smiddy P, Irwin S. 1995. Movement and migration of flock of Mute swans in southern Ireland. *Irish Birds*, 5:295-298.
203. Pollock CM, O'Halloran J. 1995. The winter behaviour of the Moorhen *Gallinula chloropus* L., (Gruiformes: Rallidae) at Cork Lough. *Biology and Environment*, 95(B):59-64.
204. Smiddy P, O'Halloran J, Leonard P, Coveney JA, Shorten M. 1995. The waterfowl of Cork Harbour. *Irish Birds*, 5:285-294.
205. Smiddy P, O'Halloran J, O'Mahony B, Taylor A. 1995. The breeding biology of the Dipper *Cinclus cinclus* in-south west Ireland. *Bird Study*, 42:76-81.
206. Giller PS, O'Halloran J, Hernan R, Roche N, Clenaghan C, Evans J, Kiely GK, Allott N, Brennan M, Reynolds J, Cooke D, Kelly-Quinn M, Bracken J, Farrell EP. 1994. An integrated study of forested catchments in Ireland. *Irish Forestry*, 50:70-88.
207. Hutchinson CD, O'Halloran J. 1994. The ecology of the Black-tailed Godwit at an wetland in south west Ireland. *Irish Birds*, 5:165-172.
208. O'Donoghue P, O'Halloran J. 1994. The behaviour of a wintering flock of Whooper swans (*Cygnus cygnus*) in southern Ireland. *Biology and Environment*, 94(B):109-118.
209. O'Halloran J, Smiddy P. 1994. Cuckoos and their hosts in Ireland. *The Irish Naturalists' Journal*, 24:419.
210. Pollock CM, O'Halloran J, O'Mahony B, Smiddy P. 1994. A Paddyfield Warbler of the south coast of Ireland. *Irish Birds*, 5:195-197.
211. Walsh A, O'Halloran J, Gower AM. 1994. Some effects of elevated levels of Chromium III in sediments to mullet *Chelon labrosus* (R.). *Ecotoxicology and Environmental Safety*, 27:168-176.
212. Walsh A, Reay P, O'Halloran J, Cahill K. 1994. The growth of the Grey Mullet *Chelon labrosus* (R.) in a rural and urbanized Irish estuary. *Journal of Fish Biology*, 45:889-897.
213. O'Halloran J. 1993. *Manual of ornithology: Avian structure and function* N.S. Proctor & P.J. Lynch. *Biology and Environment*.
214. O'Halloran J, Giller PS. 1993. Forestry and stream ecology: lesson from abroad. *Irish Forestry*, 50:35-52.
215. O'Halloran J, Ormerod SJ, Smiddy PS, O'Mahony B. 1993. Organochlorines and mercury contents of Dipper *Cinclus cinclus* eggs in south-west Ireland. *Biology and Environment*, 93(B):25-31.
216. O'Halloran J, Ridgway M, Hutchinson CD. 1993. Whooper swan population wintering at Kilcolman Wildfowl Refuge, Cork, Ireland: trends over twenty years. *Wildfowl*, 44:1-6.
217. Keane EM, O'Halloran J. 1992. The behaviour of a wintering flock of Mute swans *Cygnus olor* in southern Ireland. *Wildfowl*, 43:12-19.
218. O'Donoghue P, O'Halloran J, Bacon PJ, Smiddy P, Cross TF. 1992. Population genetics of the Irish Mute swan. *Wildfowl*, 43:5-11.

219. O'Halloran J, Hutchinson CD, Wilson HJ, Kelly TC. 1992. Current ornithological research in Ireland. *Irish Birds*, 4:635-672.
220. O'Halloran J, Smiddy P, O'Mahony B. 1992. Biometrics, growth and sex amongst Irish Dipper *Cinclus cinclus*. *Ringling & Migration*, 13:152-161.
221. Culloty SC, Cross TF, O'Halloran J. 1991. A comparison of two methods of haemoglobin measurement in Rainbow Trout, *Oncorhynchus mykiss*. *Aquaculture and Fisheries Management*, 22:379-383.
222. Ormerod SJ, O'Halloran J, Gribbin SD, Tyler SJ. 1991. The ecology of Dippers *Cinclus cinclus* in relation to stream acidity in upland Wales: breeding performance, calcium physiology and nestling growth. *Journal of Applied Ecology*, 28:419-433.
223. Slater FM, Foster J, O'Halloran J. 1991. Population trends in Mute swans in mid-Wales and lower Wye Valley. *Welsh Ornithological Society Proceedings*, 4:74-79.
224. Smiddy P, O'Halloran J. 1991. The breeding biology of Mute swans in south-east Cork, Ireland. *Wildfowl*, 42:12-16.
225. Yoerg SI, O'Halloran J. 1991. Dipper Nestlings fed by a Gray Wagtail. *The Auk*, 108:427-429.
226. O'Halloran J, Gribbin SD, Tyler SJ, Ormerod SJ. 1990. The ecology of Dippers *Cinclus cinclus* in relation to stream acidity in upland Wales: time activity budgets and energy expenditure. *Oecologia*, 85:271-280 .
227. O'Halloran J, Myers AA, Duggan PF. 1990. Lead poisoning in Mute Swans *Cygnus olor* in Ireland: A review. *Wildfowl*, Special Supplement No. 1:389-395.
228. Slater FM, Foster J, O'Halloran J. 1990. Mute, Bewick's and Whooper swans in Mid-Wales and lower Wye Valley. *Radnor Society Transactions*, 60:12-26.
229. O'Halloran J, Myers AA, Duggan PF. 1989. Some sub-lethal effects of lead on Mute swans, *Cygnus olor*. *Journal of Zoology (London)*, 218:627-632.
230. O'Halloran J, Duggan PF, Myers AA. 1988. Biochemical and haematological reference values for Mute swans, *Cygnus olor*: effects of acute lead poisoning. *Avian Pathology*, 17:667-678.
231. O'Halloran J, Myers AA, Duggan PF. 1988. Blood lead levels and free red blood cell protoporphyrin as a measure of lead exposure in Mute swans. *Environmental Pollution*, 51:19-38.
232. O'Halloran J, Myers AA, Duggan PF. 1988. Lead poisoning in swans and sources of contamination in Ireland. *Journal of Zoology (London)*, 216:211-223.
233. O'Halloran J. 1987. The Mute swan. M. Birkhead & C.M. Perrins. *Irish Birds*, 4:517-518.
234. O'Halloran J, Duggan PF, Myers AA. 1987. Determination of haemoglobin in birds by a modified alkaline haematin (D-575) method. *Comparative Biochemistry and Physiology*, 86(B):701-704.
235. Buckley NJ, O'Halloran J. 1986. Mass mortality of gulls in West Cork attributed to Botulism. *Irish Birds*, 3:283-285.
236. O'Halloran J, Collins R. 1985. Preliminary analyses of ringing swans in Ireland. *Irish Birds*, 3:85-89.
237. O'Halloran J, Walsh PM, Cross TF, Kelly TC, Hutchinson CD. 1985. Current Ornithological research in Ireland. *Irish Birds*, 3:139-162.
238. Hutchinson CD, O'Halloran J. 1984. The waterfowl of Cork Harbour. *Irish Birds*, 2:445-456.
239. O'Halloran J, Duggan PF. 1984. Lead levels in Mute swans in Cork. *Irish Birds*, 2:501-514.
240. O'Halloran J. 1981. Book Review: Bird watching on Estuaries, coasts and sea, C. Lloyd. *Irish Birds*, 3:283-285 .

## BOOKS/MONOGRAPHS

---

1. Nairn R, O'Halloran J. 2012. Bird habitats in Ireland. The Collins Press. 232pp.
2. Kramm N, Anderson R, O'Rourke E, Emmerson M, O'Halloran J, Chisholm N. 2010. Farming in the Iveragh Uplands: A tale of humans and nature. University College Cork. 128pp.
3. Larsson TB, O'Halloran J. 2001. Ecological Bulletins 50: Biodiversity evaluation tools for European forests Ecological Bulletins: 50. Blackwell Publishing. 237pp.

4. O'Halloran J, Walsh P, Giller PS, Kelly, TC. 2002. Forestry and bird diversity in Ireland: a management and planning guide. COFORD. Dublin.
5. Giller PS, Johnson M, and O'Halloran J. 2002. Managing the impacts of forest clearfelling on stream environments. : COFORD. Dublin.

## BOOK SECTIONS/CHAPTERS

---

1. Reidy D, Kirrane MJ, Curley B, Brosnan D, Kock S, Bolger P, Dunphy N, McCarthy M, Poland M, Ryan-Fogarty Y, O'Halloran J. 2015. A Journey in Sustainable Development in an Urban Campus. In: Leal-Filho W, Brandli L, Kuznetsova O, Paço AMF (eds) Integrative approaches to sustainable development at university level: Making the links. Springer, pp 599-614.
2. Dauphard J, Lehane M, van Pelt FNAM, O'Halloran J, Furey A. 2014. Anatoxin: chemistry, effects, source, metabolism, and detection. In: Botana LM (ed) Seafood and freshwater toxins: pharmacology, physiology, and detection, Third Edition. CRC Press, pp 1061-1072.
3. Donnelly A, Caffarra A, Diskin E, Kelleher C, Pletsers A, Proctor H, Stirnemann R, Jones MB, O'Halloran J, O'Neill BFO, Penuelas J, Sparks T. 2011. Climate warming results in phenotypic and evolutionary changes in spring events: a mini-review. In: Hodkinson TR, Jones MB, Waldren S, Parnell JAN (eds) Climate change, ecology and systematics. Cambridge University Press, pp 176-200.
4. Smith G, Gittings T, Wilson M, French L, Oxbrough A, O'Donoghue S, O'Halloran J, Kelly D, Mitchell FG, Kelly T, Iremonger S, McKee A-M, Giller P. 2009. Identifying practical indicators of biodiversity for stand-level management of plantation forests. In: Brockerhoff E, Jactel H, Parrotta J, Quine C, Sayer J, Hawksworth D (eds) Plantation Forests and Biodiversity: Oxymoron or Opportunity?, Volume 9. Topics in Biodiversity and Conservation. Springer Netherlands, pp 67-91.
5. Stengal D, O'Reilly S, O'Halloran J. 2006. Contaminants and pollutants. In: Davenport J, Davenport J (eds) The ecology of transportation: Managing mobility for the environment. Springer, pp 361-389.
6. Stengal D, O'Reilly S, O'Halloran J. 2006. Pollution associated with transport. In: Davenport J, Davenport J (eds) Ecology of Transport. Wiley, pp 361-390.
7. Hartl M, van Pelt FNAM, O'Halloran J. 2005. Development and Application of Sediment Toxicity Tests for Regulatory Purposes. In: Lehr JH, Keeley J, Lehr J (eds) Water Encyclopedia, Volume 2, Water Quality and Resource Development. Wiley, pp 383-386.
8. Iremonger S, Giller PS, O'Halloran J, Kelly D, Mitchell F. 2005. Biodiversity in temperate plantations. In: Mery G, Alfaro R, Kanninen M, Lobovikov M (eds) Forests in the Global Balance. IUFRO World Series Volume 17. IUFRO, pp 132-133.
9. Wilson MW, Gittings T, O'Halloran J, Smith GF, Oxbrough A, O'Donoghue S, French L, Giller PS, Iremonger S, Pithon J, Kelly DL, Mitchell FJG, Kelly TC, Dowding P, O'Sullivan A, Neville P, McKee AM, Coote L. 2005. Forest and biodiversity in Ireland and a case study of the Hen harrier *Circus cyaneus*. In: Hendrick E (ed) Forest Research and Development in Ireland 2004 - underpinning industry development. COFORD Dublin, pp 35-41.
10. Laursiden RB, O'Halloran J, Cruikshanks R, Kelly-Quinn M, Giller PS. 2004. Some observations of the potential use of the sodium dominance index as an indicator of development in Ireland. In: Hendrick E (ed) Forest Research and Development in Ireland 2004 - underpinning industry development. COFORD Dublin, pp 51-60.
11. O'Halloran J. 2004. Use of learning outcomes in the teaching of ecotoxicology: a personal reflection. In: Hyland A (ed) University College Cork as a Learning Organisation. University College Cork, pp 53-58.
12. O'Reilly S, Morgan G, Heffron JJ, O'Halloran J. 2004. A review of the composition, treatment and ecological effects of road runoff. In: Davenport J, Davenport J (eds) The effects of human transport on ecosystems: Cars and planes, boats and trains. Royal Irish Academy, Dublin, pp 63-82.
13. Smiddy P, O'Halloran J. 2004. The ecology of river bridges. In: Davenport J, Davenport J (eds) The effect of human transport on ecosystems: Cars and planes, boats and trains. Royal Irish Academy, Dublin, pp 83-97.
14. Ni Shuilleabhain S, Davoren M, Hartl MGJ, O'Halloran J. 2003. In vitro ecotoxicological assessment of aquatic sediments. In: Mothersill C, Austin B (eds) In vitro methods in aquatic toxicology. Springer Verlag, pp 327-374.

15. O'Halloran J, Giller PS, Johnson M, Lehance B, Duggan S, Smith CD. 2002. Studies on the interactions between forests and aquatic ecosystems in South-West Ireland. In: Hendrick E, MacLennan LA (eds) Forest and Water. Proceedings COFORD seminar Cork. COFORD Dublin, pp 227-237.
16. O'Halloran J. 2002. The Coot. In: Wernham C, Toms M, Marchant J, Clarke J, Siriwardena G, Baillie S (eds) The Migration Atlas: Movements of the Birds of Britain and Ireland. Poyser, pp 600.
17. O'Halloran J. 2002. The Mistle Thrush. In: Wernham C, Toms M, Marchant J, Clarke J, Siriwardena G, Baillie S (eds) The Migration Atlas: Movements of the Birds of Britain and Ireland. Poyser, pp 600.
18. Byrne PA, O'Halloran J. 2001. The use of Manila clam *Tapes semidecussatus* and *Scrobicularia plana* in sediment toxicity testing: a review. In: Burnell GM (ed) Coastal shellfish: a sustainable resource. Kluwer Academic Publications, pp 209-217.
19. Hilgerloh G, O'Halloran J, Kelly TC, Burnell GM. 2001. A preliminary study on the effects of oyster culture structures on birds in a sheltered Irish estuary. In: Burnell GM, Publications IKA (eds) Coastal shellfish: a sustainable resource. pp 175-180.
20. Hutchinson CD, Sullivan WM, O'Halloran J. 1999. Birds and mammals. In: Moriarty C (ed) Studies of Irish Rivers and Lakes. The Marine Institute Dublin, p 279.
21. Giller PS, Myers AA, O'Halloran J. 1997. Ecological concepts and natural resources. In: Kiely G (ed) Environmental Engineering. McGraw Hill UK, pp 29-52.
22. Giller PS, Myers AA, O'Halloran J. 1997. Ecological systems, disturbance and pollution. In: Kiely G (ed) Environmental Engineering. McGraw Hill UK, pp 231-262.
23. Giller PS, Myers AA, O'Halloran J. 1997. Water pollution: Ecological perspectives. In: Kiely G (ed) Environmental Engineering. McGraw Hill UK, pp 263-302.
24. O'Halloran J, Walsh AR, Fitzpatrick PJ. 1997. Methods of trace metals analysis. In: Sheehan D (ed) Bioremediation Protocols. Humana Press, pp 201-211.
25. O'Halloran J, Giller PS, Clenaghan C, Wallace J, Koolen R. 1996. Plantation forestry in river catchments: disturbance and recovery. In: Myers AA, Giller PS (eds) Disturbance and recovery of ecological systems. Royal Irish Academy, Dublin, pp 68-93.
26. O'Halloran J, Giller PS. 1991. The interaction between forestry and water resources: A review. In: Kiely G, McKeogh EJ, O'Kane JPJ (eds) Proceedings Environmental Engineering Conference, Cork, March 21-22, 1991. Cork.
27. O'Halloran J, Myers AA, Duggan PF. 1987. Lead poisoning in swans and angling practice in Ireland. In: Richardson DHS (ed) Biological Indicators of Pollution. Royal Irish Academy, Dublin, pp 183-191.

## **PUBLISHED REPORTS**

---

1. Daly E, McCarthy N, Irwin S, Scarrott R, Roig-Cervera D, O'Halloran J. 2014. Achieving effective Rhododendron control. Report prepared for the Department of Agriculture, Food & the Marine. 57pp.
2. Irwin S, Kelly DLM, F J G, Wilson MW, Dietzsch AC, Coote L, Graham CT, Barsoum N, Newman M, Fuller L, Deady R, Sharkey N, Bourke D, Jones MB, Scarrott R, Kopke K, Roig-Cervera DK, T C, O'Halloran J. 2014. Implementation of an assessment and monitoring programme for Irish and British forests. Report prepared for the Department of Agriculture, Food and the Marine. 154pp.
3. Irwin S, Wilson MW, O'Donoghue B, O'Mahony B, Kelly TC, O'Halloran J. 2012. Optimum scenarios for Hen Harrier conservation in Ireland. Report prepared for the Department of Agriculture, Food and the Marine. 46pp.
4. Crowe O, Coombes RH, Lauder A, Lysaght L, O'Brien C, O'Halloran J, O'Sullivan O, Tierney DT, Walsh A. 2011. Countryside Bird Survey 1998-2010. BirdWatch Ireland. Ireland. 14pp.
5. Jessopp M, McAllen R, O'Halloran J, Kelly TC. 2011. Nutrient and ecosystem dynamics in Ireland's only marine nature reserve (NEIDIN). STRIVE Report 66 Environmental Protection Agency. Ireland. 57pp.
6. O'Halloran J, Irwin S, Kelly DL, Kelly TC, Mitchell FJG, Coote L, Oxbrough A, Wilson MW, Martin R, Moore KM, Sweeney OF, Dietzsch AC, Walsh A, Keady B, French V, Fox H, Kopke K, Butler F, Neville P. 2011. Management of biodiversity in a range of Irish forest types. Report prepared for the Department of Agriculture, Food & the Marine. 391pp.

7. Wilson MW, Gittings T, O'Halloran J, Kelly TC, Piton J. 2010. The distribution of Hen Harriers in Ireland in relation to land use cover, particularly forest cover. COFORD Connects, Environment No. 6. 8pp.
8. Wilson MW, Irwin S, O'Donoghue B, Kelly TC, O'Halloran J. 2010. The use of forested landscapes by Hen Harriers in Ireland. COFORD Connects, Environment No. 10.
9. Keller V, O'Halloran J. 2009. Proceedings of the 7th Conference of the European Ornithologists' Union. Swiss Ornithological Institute, Sempach, Switzerland. 52pp.
10. Coombes RH, Crowe O, Lysaght L, O'Halloran J, O'Sullivan O, Wilson HJ. 2006. Countryside Bird Survey 1998-2005. BirdWatch Ireland. 10pp.
11. Cruikshanks R, Lauridsen R, Harrison A, Hartl MGJ, Kelly-Quinn M, Giller PS, O'Halloran J. 2006. Evaluation of the use of the Sodium Dominance Index as a potential measure of acid sensitivity. Final report of the WATERAC project. Environmental Protection Agency. Ireland. 107pp.
12. Iremonger S et al. 2006. Biodiversity in Irish Plantation Forests. EPA and COFORD. Dublin. 82pp.
13. Giller P, Johnson M, O'Halloran J. 2002. Managing the impacts of forest clearfelling on stream environments. COFORD.
14. O'Halloran J, Walsh PM, Giller PS, Kelly TC. 2002. Forestry and bird diversity in Ireland: a management and planning guide. COFORD. 32pp.
15. Kelly-Quinn M, Tierney D, Farrell EP, Bracken JJ, Giller P, O'Halloran J, McElligott A, Allott N. 2001. Sodium dominance as a measure of acid-sensitivity in Irish rivers. COFORD Connects, Environment No. 1. 3pp.
16. Farrell EP, Boyle GM, Cummins T, Giller P, O'Halloran J, Kiely G, Wallace J, Roche N, Hernan E, Kelly-Quinn M, Bracken J, Tierney D, Coyle S, Allott N, Brennan M. 1997. AQUAFOR Report: An evaluation of the effects of forestry on surface water quality and ecology in Munster. COFORD. 76pp.
17. Giller PS, O'Halloran J, Kiely G, Evans J, Clenaghan C, Hernan R, Roche N, Morris P. 1997. An evaluation of the effects of forestry on surface water quality and ecology in Munster. COFORD Dublin. 70pp.
18. O'Halloran J. 1978. Cork Bird Report. Irish Wildbird Conservancy. 32pp.

## **EDITORIALS**

---

1. Greenwood J, O'Halloran J. 2003. 50-year milestone. *Bird Study*, 50:193
2. O'Halloran J. 2002. New year, new look. *Bird Study*, 49:1
3. O'Halloran J. 2001. Getting the balance right. *Bird Study*, 48:1
4. Gosler AJ, O'Halloran J. 1999. Editorial. *Bird Study*, 46:257

## **JOURNAL EXECUTIVE EDITORSHIP**

---

1. O'Halloran J. 2006. *Bird Study*. Vol. 53: 98.
2. O'Halloran J. 2005. *Bird Study*. Vol. 52: 298.
3. O'Halloran J. 2004. *Bird Study*. Vol. 51: 298.
4. O'Halloran J. 2003. *Bird Study*. Vol. 50: 316.
5. O'Halloran J. 2002. *Bird Study*. Vol. 49: 316.
6. O'Halloran J. 2001. *Bird Study*. Vol. 48: 384.
7. O'Halloran J. 2000. *Bird Study*. Vol. 47: 384.
8. O'Halloran J. 1999. *Bird Study*. Vol. 46: 129
9. Oxbrough A, Wilson MW, Irwin S, O'Halloran J. 2014 Guest Editors, *Forest Ecology and Management* Special issue: Mechanisms and predictors of ecological change in managed forests.

## **EDITORIAL BOARD MEMBER**

---

Member of Editorial Board of *Biology and Environment*, *Proceedings of Royal Irish Academy*