

John O'Halloran PhD DSc Publications

PEER REVIEWED JOURNAL ARTICLES

1. Fernández-Bellon D, Wilson MW, Irwin S, Kelly TC, O'Mahony B, O'Halloran J. In Press. Video evidence of siblicide and cannibalism, movement of nestlings by adults and interactions with predators in nesting Hen Harriers. *Journal of Raptor Research*.
2. Chen X, O'Halloran J, Jansen MAK. 2018. Orthophosphate modulates the phytotoxicity of nano-ZnO to *Lemna minor* (L.). *Environmental Technology*.
3. Chen X, O'Halloran J, Jansen MAK. 2018. Time matters: The toxicity of Zinc Oxide nanoparticles to *Lemna minor* L. increases with exposure time. *Water, Air, & Soil Pollution*.
4. 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.
5. Devaney JL, Redmond JJ, Barrett B, G C, O'Halloran J. 2017. 21st Century Deforestation in Ireland. Report prepared for the Environmental Protection Agency. 38 p.
6. 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.
7. 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.
8. Lusby J, Corkery I, McGuinness S, Fernández-Bellon D, Toal L, Norriss D, Breen D, O'Donaill 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.
9. 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.
10. 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.
11. 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:
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. Oxbrough A, García-Tejero S, Spence, O'Halloran J. 2016. Can mixed stands of native and non-native tree species enhance diversity of epigeic arthropods in plantation forests? 367: 21-29.
18. 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.
19. Smiddy P, Fernández-Bellon D & O'Halloran J. 2016. The oldest Dipper *Cinclus cinclus* in Ireland and Britain, thus far. *Irish Birds* 10:

20. Wilson MW, Fernández-Bellon D, Irwin S, O'Halloran J. 2016. Hen Harrier *Circus cyaneus* population trends in relation to wind farms. 1-10.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
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30. 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.
31. 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.
32. 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.
33. 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.
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40. 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
41. 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.

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48. 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.
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55. 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.
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