

John O'Halloran PhD DSc Publications

PEER REVIEWED JOURNAL ARTICLES

1. Mateos-Cárdenas A, van Pelt FN, O'Halloran J, Jansen MA. 2021. Adsorption, uptake and toxicity of micro-and nanoplastics: Effects on terrestrial plants and aquatic macrophytes. *Environmental Pollution*:117183.
2. McCarthy A, Caravaggi A, Fernández-Bellon D, Irwin S, Lusby J, O'Halloran J. 2021. Bird and small mammal community composition and abundance in upland open habitats and early conifer forests. *European Journal of Wildlife Research* 67:1-13.
3. Mateos-Cárdenas A, O'Halloran J, van Pelt FN, Jansen MA. 2020. Beyond plastic microbeads—Short-term feeding of cellulose and polyester microfibers to the freshwater amphipod *Gammarus duebeni*. *Science of the Total Environment* 141859.
4. Caravaggi A, Irwin S, Lusby J, Ruddock M, Mee A, Nagle T, O'Toole L, O'Neill S, O'Halloran J. 2020. Anthropogenic pressures within the breeding range of the Hen Harrier *Circus cyaneus* in Ireland. *Bird Study* 66(4):461-470.
5. Caravaggi A, Irwin S, Lusby J, McCarthy A, Mee A, Nagle T, O'Halloran J. 2020. Forest management and Hen Harrier *Circus cyaneus* conservation in Ireland. *Irish Birds* 42:1-12
6. Corkery I, Irwin S, Quinn J, Keating U, Lusby J, O'Halloran J. 2020. Changes in forest cover result in a shift in bird community composition. *Journal of Zoology* 310(4):306-314.
7. Fernández-Bellon D, Lusby J, Bos J, Schaub T, McCarthy A, Caravaggi A, Irwin S, O'Halloran J. 2020. Expert knowledge assessment of threats and conservation strategies for breeding Hen Harrier and Short-eared Owl across Europe. *Bird Conservation International* 1-18.
8. Mateos-Cárdenas A, O'Halloran J, van Pelt FNAM, Jansen MAK. 2020. Rapid fragmentation of microplastics by the freshwater amphipod *Gammarus duebeni* (Lillj.). *Scientific Reports* 10:12799.
9. Bougaham AF, Belkacem, R, Habib SA, Boudjemaa L, Moulai R and O'Halloran J. 2019. Trophic ecology of Dippers, *Cinclus cinclus*, in the Babor Mountains, North-East Algeria. *Bulletin de la Société zoologique de France* 144:41-50.
10. Caravaggi A, Irwin S, Lusby J, Ruddock M, O'Toole L, Mee A, Nagle T, O'Neill S, Tierney D, McCarthy A and O'Halloran J. 2019. Factors influencing Hen Harrier, *Circus Cyaneus*, territory site selection and breeding success. *Bird Study* 66(3):366-377.
11. Chen X, O'Halloran J, Jansen MAK. 2019. Orthophosphate modulates the phytotoxicity of nano-ZnO to *Lemna minor* (L.). *Environmental Technology* 2: 1-9.
12. Fernández-Bellon D, Wilson MW, Irwin S & O'Halloran J. 2019. Effects of development of wind energy and associated changes in land use on bird densities in upland areas. *Conservation Biology* 33:413-422.
13. Mateos-Cárdenas A, Scott DT, Seitmaganbetova G, van Pelt FN, O'Halloran J and Jansen MAK. 2019. Polyethylene microplastics adhere to *Lemna minor* (L.), yet have no effects on plant growth or feeding by *Gammarus duebeni* (Lillj.). *Science of the Total Environment*. 689:413-421.
14. Pedley SM, Barbaro L, Guilherme JL, Irwin S, O'Halloran J, Proença V and Sullivan MJP. 2019. Functional shifts in bird communities from semi-natural oak forests to conifer plantations are not consistent across Europe. *PLOS ONE*. 14:e0220155.
15. 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* 229: 99-108.
16. 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.

17. 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.
18. 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.
19. 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.
20. 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
21. 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.
22. 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.
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24. 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.
25. 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.
26. 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.
27. 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:
28. 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.
29. Devaney JL, Redmond JJ, Cott GM & O'Halloran J. 2016. Deforestation in Ireland 2000-2012. *Irish Forestry* 73: 8-24.
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31. 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.
32. 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.
33. 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.
34. 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.
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39. Fernández-Bellon D, Irwin S, Wilson MW & O'Halloran J. 2015. Reproductive output of Hen Harriers *Circus cyaneus* in relation to wind turbine proximity. *Irish Birds* 10: 143-150.
40. 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.
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44. 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.
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BOOK SECTIONS/CHAPTERS

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