



Nancy Jennings
Dotmoth

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Independent provider of support for scientists
(since 2007; dotmoth.co.uk)

Main support offered:

- Editorial services: editing scientific papers and grant proposals for structure, organisation, content, consistency and grammar.
- Statistical analysis of data using Minitab, presentation and explanation of results.
- Quality control of biostatistical analysis, Figures and Tables in scientific papers.
- Writing scientific papers, books and articles.
- Project management.
- Higher Education programme and unit development, support with Athena SWAN applications, and online survey design and analysis.
- Scientific writing and presentation skills workshops.

Highlights of freelance work:

- As **managing editor** of the scientific journal [Mammal Review](http://MammalReview.com) (2008-2023), I helped to decide journal policy and increase its impact factor (number of citations). I organised submissions and the peer review process, liaised with authors, reviewers and production editors, met publication deadlines, and conducted quality control at scientific and editorial levels.
- Employed by the School of Biological Sciences, University of Bristol, to **develop two MSc programmes**, Agricultural Ecosystems: Management for Sustainability, and Animal Behaviour. I liaised with marketing experts, administration staff, senior academics (school and faculty), teaching committees, and students to develop programme and unit approval documents, content, assessment methods, and teaching methods. I conducted consultations and evaluated workloads and budgets for the programmes.
- **Project manager** for Conker Tree Science, a 'citizen science' project run by ecologists at the Universities of Bristol and Hull in 2010 and 2011. My role was to recruit and coordinate 'ambassadors' who took the project into primary schools, help design and maintain the website, and seek publicity. I wrote a column for BBC Wildlife: 'Help safeguard horse chestnuts', published in July 2010.
- **Conference secretary** for: *Ecological Networks: Theory, Empiricism and Practice in a Changing World* (September 2015), *GW4 Graduate Study in Ecology and Conservation* (December 2013), and *Linking Ecological Research and Applications. Celebrating ecology in Bristol: facilitating dialogue between academics and practitioners* (September 2009), at the University of Bristol. I liaised with speakers and delegates, administered registration, designed and conducted a questionnaire, and analysed the results for the conference host and chair, Prof. Jane Memmott.

Voluntary work in the community

Since 2019 I have been a parent governor at Chew Valley School, a local rural secondary school. I am responsible for sixth form, environment, and student data, including exam outcomes, and was involved in an OFSTED inspection in May 2022. As a parish councillor in Dundry from 2007-2019, I was responsible for the Village Orderly and obtained funding for an adventure playground. As founder and chair of Dundry Playground Group I obtained funding from [Groundwork/Community Spaces](#) to build [Dundry Playground](#). During community consultation, we organised events, observed children playing, conducted questionnaires, asked children to draw what they wanted in the playground, consulted with community groups, and asked people to comment on designs (consultation report [here](#)). I wrote an invitation to tender for playground manufacturers, asked local government experts, community groups, children and others to score the tenders, and documented the tendering process. The playground was built in 2011 and is a focal point in our village.

Previous employment

January-March 2007: Senior Postdoctoral Research Associate. University of Bristol. Project title: 'Interactions between taxonomic diversity and agricultural habitat diversity: the importance of spatial scale', funded by the Lady Emily Smyth Agricultural Research Station (LESARS), University of Bristol.

2002-December 2006: Senior Postdoctoral Research Associate and Contractor. University of Bristol. Project title: '[Interactions between agricultural management, biodiversity, and life history: insectivorous mammals and their prey as bioindicators](#)', funded by the Department for Environment, Food and Rural Affairs (Defra) and English Nature (EN). I obtained funding (£306,000 over 3 years) and had responsibility for reporting to Defra, achieving the research output, and managing the project and budget.

1997-2002: Postdoctoral Research Assistant. University of Bristol and University of York. Project title: '[Integrating farm management practices with hare *Lepus europaeus* conservation](#)', funded by the Ministry of Agriculture, Fisheries and Food.

1997: Commissioning Editor (Biology and Medicine). Imperial College Press, London. Editor for ca. 300 academic books and one journal. Responsibilities: generating ideas for books, recruiting authors, issuing contracts, editing, and liaising with authors, copy-editors, and production editors.

Academic qualifications

1992-1996: PhD University of Bristol. 'Partitioning of foraging habitat resources among bats (Chiroptera) in Great Britain'. Advisors: Profs G. Jones and S. Harris. Funding: Natural Environment Research Council.

1989-1992: BSc (2.1 Honours) in Biological Sciences. University of Durham. Research projects: 'Adaptations of alpine plants' and 'Cognition in the California sea lion'. Specialisations: crops and man, behavioural and evolutionary ecology, adaptations to extreme environments, palaeoecology, pollution ecology, pest control and conservation.

1988-1989: Department of Biology, Central Michigan University, Michigan, USA. Undergraduate courses taken: general zoology, marine biology, human ecology, conservation of natural resources, natural history of the vertebrates, biological illustration.

Fundraising – community projects and research grants

Source	Title of project	Amount	Date
Awards for All	Dundry Adventure Playground – community project, grant awarded to Dundry Parish Council	£10,000+vat	2012
Community Spaces	Dundry Playground – community project, grant awarded to Dundry Playground Group	£63,823+vat	2011
Lady Emily Smyth Ag. Res. Station	Interactions between taxonomic diversity and agricultural habitat diversity.	£5000	2007
Defra / English Nature	Interactions between agricultural management, biodiversity, and life history.	£306,000	2002-2006
British Council in Austria	Age determination methods in hares (<i>Lepus europaeus</i>).	£700	2002
British Ecological Society (BES)	Do tick-transmitted pathogens contribute to regional differences in hare (<i>Lepus europaeus</i>) numbers?	£1000	2001
BES	Are bats which pollinate and disperse forest plants particularly sensitive to disturbance?	£1650	1999
BES	Bat (Chiroptera) diversity and abundance in banana plantations and rain forest.	£712	1993

Teaching

At the University of Bristol I teach scientific writing to second-year undergraduate 'Science and Success' students. In 2011, I taught the scientific writing module of the MSc in Ecology and Management of the Natural Environment. In 2007 I designed and taught two one-day workshops for postgraduate students: Scientific Writing and Presentation Skills, and taught the ecology field course 'the Urban Jungle' with Prof. Jane Memmott. I taught the third year undergraduate course Applied Ecology for six years, and taught statistics, experimental design, and supervised research projects on the residential field course 'Bats, bugs, and biodiversity' for five years. I advised two MSc students and co-advised three PhD students, and was tutor or assessor for a further five PhD students. I lectured on community ecology and gave a practical on mammalian anatomy in the MRes in Ecology and Environmental Management at the University of York. I conducted one PhD *viva voce* as internal examiner, and one as external examiner at the University of Sussex.

Selected publications (email nancy@dotmoth.co.uk for a list of all publications 1989 - 2023):

1. Kastelein, R.A., Bakker, M.J., **Jennings, N.** & Covi-Dijkhuizen, J. (2023) Evaluating the use of Diazepam in stranded dolphins and porpoises for husbandry and veterinary purposes. *Aquatic Mammals* 49: 94-103.
2. Kastelein, R.A., **Jennings, N.**, & Huijser, L.A.E. (2022) White-beaked dolphins (*Lagenorhynchus albirostris*) cooperating with humans and showing altruism toward harbor porpoises (*Phocoena phocoena*). *Aquatic Mammals* 48: 75-82.
3. Leclère, D., Obersteiner, M., Barrett, M., Butchart, S.H.M., Chaudhary, A., De Palma, A., DeClerck, F.A.J., Di Marco, M., Doelman, J.C., Dürauer, M., Freeman, R., Harfoot, M., Hasegawa, T., Hellweg, S., Hilbers, J.P., Hill, S.L.L., Humpenöder, F., **Jennings, N.**, Krisztin, T., Mace, G.M., Ohashi, H., Popp, A., Purvis, A., Schipper, A.M., Tabeau, A., Valin, H., van Meijl, H., van Zeist, W.-J., Visconti, P., Alkemade, R., Almond, R., Bunting, G., Burgess, N.D., Cornell, S.E., Di Fulvio, F., Ferrier, S., Fritz, S., Fujimori, S., Grooten, M., Harwood, T., Havlík, P., Herrero, M., Hoskins, A.J., Jung, M., Kram, T., Lotze-Campen, H., Matsui, T., Meyer, C., Nel, D., Newbold, T., Schmidt-Traub, G., Stehfest, E., Strassburg, B.B.N., van Vuuren, D.P., Ware, C., Watson, J.E.M., Wu W., & Young L. (2020) Bending the curve of terrestrial biodiversity needs an integrated strategy. *Nature* 585: 551–556 [<https://doi.org/10.1038/s41586-020-2705-y>].
4. Kastelein, R.A., Helder-Hoek, L., Booth, C., **Jennings, N.**, & Leopold, M. (2019) High levels of food intake in harbor porpoises (*Phocoena phocoena*): insight into recovery from disturbance. *Aquatic Mammals* 45: 380-388.

5. Kastelein, R.A., Helder-Hoek, L., **Jennings, N.**, van Kester, R., & Huisman, R. (2019) Reduction in body mass and blubber thickness of harbor porpoises (*Phocoena phocoena*) due to near-fasting for 24 hours in four seasons. *Aquatic Mammals* 45: 37-47.
6. Kastelein, R.A., Huijser, L.A.E., Cornelisse, S., Helder-Hoek, L., **Jennings, N.**, de Jong, C.A.F. (2019) Effect of pile-driving playback sound level on fish-catching efficiency in harbor porpoises (*Phocoena phocoena*). *Aquatic Mammals* 45: 398-410.
7. Kastelein, R.A., Helder-Hoek, L., & **Jennings, N.** (2018) Seasonal changes in food consumption, respiration rate and body condition of a male harbor porpoise (*Phocoena phocoena*). *Aquatic Mammals* 44: 76-91. [DOI 10.1578/AM.44.1.2018.76]
8. Kastelein, R.A., Voorde, S van de, & **Jennings, N.** (2018) Swimming speed of a harbor porpoise (*Phocoena phocoena*) during playbacks of pile driving sounds. *Aquatic Mammals* 44: 92-99. [DOI 10.1578/AM.44.1.2018.92]
9. **Jennings, N.** (2018) *Spotlight Bats*. RSPB/Bloomsbury, London, UK.
10. **Jennings, N.** (2017) *Spotlight Hares*. RSPB/Bloomsbury, London, UK.
11. Butterworth, A., Turner, K.M.E, **Jennings, N.** (2017) Minimising orphaning in the brown hare *Lepus europaeus* in England and Wales: should a close season be introduced? *Wildlife Biology* wlb.00279. [DOI 10.2981/wlb.00279]
12. Kastelein, R. A., Triesscheijn, R. J. V., & **Jennings, N.** (2016) Reversible bending of the dorsal fins of harbor porpoises (*Phocoena phocoena*) and a striped dolphin (*Stenella coeruleoalba*) in captivity. *Aquatic Mammals* 42, 218-226.
13. Stott, P., Jennings, N., & Harris, S. (2010) Is the large size of the pinna of the ear of the European hare (*Lepus europaeus*) due to its role in thermoregulation or in anterior capital shock absorption? *Journal of Morphology* 271, 674-681.
14. **Jennings, N.** & Pocock, M.J.O. (2009) Relationships between sensitivity to agricultural intensification and ecological traits of mammals and arthropods. *Conservation Biology* 23, 1195-1203.
15. **Jennings, N.**, Parsons, S. & Pocock, M.J.O. (2008) Human vs. machine: identification of bat species from their echolocation calls by humans and by artificial neural network. *Canadian Journal of Zoology* 86, 371-377.
16. Pocock, M.J.O. & **Jennings, N.** (2008) Testing biotic indicator taxa: the sensitivity of insectivorous mammals and their prey to the intensification of lowland agriculture. *Journal of Applied Ecology* 45, 151-160.
17. Smith, R.K., **Jennings, N.V.**, Tataruch, F., Hackländer, K. & Harris, S. (2005) Vegetation quality and habitat selection by European hares (*Lepus europaeus*) in a pastoral landscape. *Acta Theriologica* 50, 391-404.