

CURRICULUM VITAE

Personal details:

Family name: Bayliss
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Date of birth: October, 1969
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Education:

Visiting Professor of Ecology – Oxford Brookes University, UK

Institution (Date from - Date to):	Degree(s) or Diploma(s) obtained:
Oxford Brookes University 1999 - 2002	PhD., The Use of GIS, Geostatistics, and Multilevel Modelling for Biodiversity Action Planning
Manchester Metropolitan University 1997 - 1998	MSc., Conservation Biology (Distinction)
RHBNC College, University of London 1990 - 1993	BSc., Zoology (Hons)

Languages skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic):

Language	Reading	Speaking	Writing
English	1	1	1
Swahili	3	3	5
French	2	2	3
Welsh	4	5	5

Membership of professional bodies:

2018 Fellow of the Linnean Society of London (FLS)
2009 Fellow of the Royal Entomological Society (FRES)
2009 Fellow of the Royal Geographical Society (FRGS)
2009 Associate Research Fellow of the African Butterfly Research Institute (ABRI) – Nairobi

Key qualifications:

- Over 35 years of environmental and conservation management experience at a senior level. Excellent communication and diplomatic skills, and enjoy working with a wide range of people and organisations.
- I am a Professor (& PhD) of Ecology and ecological modelling, focusing on natural resource management, and protected area management of forests, mountains, game parks, and wetland ecosystems.
- I have experience in establishing projects, developing management plans, management tracking tools, log frames, work plans, law enforcement, biological survey, safeguard issues, environmental risk assessment, fundraising, monitoring and evaluation.
- Extensive scientific research experience covering many aspects of Ecology and Conservation Biology such as species and habitat studies, ecosystem services, ecosystem modelling, and the use of advanced technology towards conservation management. Over 40 scientific papers published in international peer-reviewed journals.
- Advanced knowledge of GIS (QGIS, ArcMAP), GPS, drone pilot analysis, data analysis, and remote sensing software.

Specific work experience in the Africa region:

Country	Date: from - to
South Sudan	2024 – to present
Ethiopia	2019 – to present
Malawi	2004 - 2009; 2013 - 2018; 2021-2023
Mozambique	2006 - 2009; 2012 – 2015; 2017; 2022 - to present
Cote d'Ivoire	2010 - 2013
Guinea	2010 - 2013
Liberia	2010 - 2013
Tanzania	1993 - 1996; 2010 - 2013
Nigeria	2010 - 2011
Madagascar	1998
Uganda	1993
South Africa	1988 - 1989

Professional experience:

Date from - Date to	Location	Company	Position	Description
2024 - Ongoing	South Sudan & Ethiopia UK based	World Bank Group (WBG)	Natural Resource Management (NRM) Specialist	<ul style="list-style-type: none"> Establishing a Natural Resource Management (NRM) Project for South Sudan to improve livelihoods (Community Wildlife Conservancies, Community Based Forestry, Sustainable Fisheries), and to secure the wider landscape for large mammal migration routes. Creating a Natural Resource and Biodiversity Profile for SW Ethiopia to identify Priority Ecological Corridors between protected areas, and guide NRM future planning.
2023 - Ongoing	UK based	Rangeland Stewardship Council (RSC) / Sustainable Fiber Alliance (SFA)	Board of Directors / Short-term Consultant Ecologist	Developing fundraising proposals, concept notes, supporting the establishment of the Rangeland Stewardship Council (RSC), and developing investor access to ecosystem services impact assessments. https://rangelandstewardship.org/
2022 - Ongoing	Mozambique	ReGeCom (CBNRM)	Mt Mabu Conservation Project – Technical Advisor	Science and Conservation Technical Advisor towards creating a new Protected Area for Monte Mabu forest in Zambezia, Mozambique. Rainforest Trust funding.
2021 - 2025	Mozambique	WWF Mozambique	Mt Mabu Conservation Project – Technical Advisor	Science and Conservation Technical Advisor towards creating a new Protected Area for Monte Mabu forest in Zambezia, Mozambique. European Union funding.

2022 - 2023	Malawi	World Bank Group (WBG)	Short-term Consultant	Review of 5x ToRs to engage consultants and support planning of activities for the SVTP phase 2. 1x working paper on Kasungu National Park to help guide a possible future Bank investment at this site. https://projects.worldbank.org/en/projects-operations/project-detail/P158805
2022	Malawi	World Bank Group (WBG)	Short-term Consultant	Consultancy report on a 'Brief biodiversity assessment of a possible extraction site for the SVTP coffer dam at Kapichira Falls Dam'. Malawi. Drafting 'A note on Biodiversity Values in Malawian Forests' and 1x 'A note on the Status of the Shire Basin' for Malawi. https://projects.worldbank.org/en/projects-operations/project-detail/P158805
2022	UK	Thuso F.Z.E. / Commonwealth Secretariate	Short-term Consultant	Advisor to the development of the Green Charter for the Commonwealth Secretariate 'Commonwealth Living Lands Charter Implementation Plan: Thematic Areas and Implementation Strategies'.
2019 - 2021	Ethiopia	United Nations Development Programme (UNDP)	Chief Technical Advisor (CTA)	CTA for Enhanced Management and Enforcement of Ethiopia's Protected Area Estate Project - a UNDP GEF6 project implemented through the Ethiopian Wildlife Conservation Authority (EWCA) to establish an Environmental Crime Unit and help improve management in 5 protected areas in Ethiopia. https://ethiopias-elephants.com/
2021	Malawi	Government of Malawi (GoM)	Technical Advisor	Shire Valley Transformation Program (SVTP) phase 1. Overseeing the production of a series of management plans for National Parks and Forest Reserves on the WBG GEF6 component of the SVTP-1. https://projects.worldbank.org/en/projects-operations/project-detail/P158805
2018	Malawi	World Bank Group (WBG)	Short-term Consultant	Country Environment Assessment (CEA) for the Government of Malawi – co-author on the Biodiversity, Forestry, and Fisheries chapters. https://openknowledge.worldbank.org/handle/10986/31326
2013 - 2018	Malawi	Government of Malawi (GoM) Global Environment Facility (GEF) World Bank Group (WBG)	Chief Technical Advisor	Biodiversity and Protected Areas Specialist - The Shire River Basin Management Program. Protected area management of 6 Forest Reserves, 2 National Parks, and 1 wetland – implementing the GEF-5 portfolio and improving the management of these protected areas. Involved in all aspects of project management, ecological monitoring, ecosystem services, policy reform, ecological restoration, sustainable livelihoods, integrated catchment management and a significant amount of biological survey: https://projects.worldbank.org/en/projects-operations/project-detail/P117617
2012 - 2014	Mozambique	Fauna & Flora International (FFI)	Project Manager	Mabu Forest Conservation Project. Establishing a Community Based Organization and Protected Area for nature-based tourism at Mabu forest in northern Mozambique. https://www.youtube.com/watch?v=mni8mSS4KDU
2010 - 2013	Liberia, Cote d'Ivoire, & Guinea	Fauna & Flora International (FFI)	Regional Project Coordinator	Regional Project Coordinator, West Africa – Mt. Nimba Transboundary Environmental Governance Platform Working towards the establishment of an environmental governance platform and biodiversity database for the Nimba Mountains in light of large multi-national iron ore mining of the area. The Nimba Mountains cross the border of Liberia, Cote D'Ivoire, and Guinea in west Africa. http://www.nimbadarwin.org/

2009 - 2012	Tanzania & UK	University of Cambridge	Program Coordinator & Analyst	Program Coordinator & Analyst with the Conservation Science Research Group (Department of Zoology) on the Valuing the Arc program (VtA). The VtA program was a five year research and policy program that evaluated the ecosystem services of the Eastern Arc Mountains in Tanzania. Under 3 different management scenarios over a 25 yr period it demonstrated that the natural resources of the EAMs were worth more if conserved rather than exploited. See: https://eprints.whiterose.ac.uk/79804/1/Arc_Journal_Issue_29_FINAL.pdf
2010	Nigeria	UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC)	Short-term Consultant	Climate Change Programme (Nigeria). I was hired to assess the capacity of the Nigerian Department of Forestry for potential REDD+ programmes and also their ability to monitor climate change. https://www.un-redd.org/sites/default/files/2021-10/NigeriaFin_lowres.pdf
2006 - 2009	Malawi & Mozambique	Royal Botanic Gardens Kew (RBGKew) & Mulanje Mountain Conservation Trust (MMCT)	Project Coordinator	Monitoring and Managing Biodiversity Loss in South-East Africa's Montane Ecosystems. Main responsibilities include planning and delivering biological surveys of high altitude mountains in northern Mozambique, managing project staff; managing the project budget, fundraising, strengthening and developing partnerships in the region, promoting the project (including producing high quality scientific reports and media work).
2004 - 2006	Malawi	Wildlife Conservation Society (WCS) & Mulanje Mountain Conservation Trust (MMCT)	Director of Ecological Monitoring Programme	Responsible for undertaking baseline biodiversity surveys and establishing an Ecological Monitoring Programme (EMP) on a World Bank Global Environment Facility (GEF4) project on Mount Mulanje, Malawi. Reporting to the WCS Africa Director I worked closely with a Malawian counterpart from MMCT to successfully establish the EMP.
2002 - 2003	UK	Oxford Brookes University	Postdoctoral Researcher	Spatial Ecology & Landuse Unit (SELU) – Examined the potential of metapopulation modelling and spatial statistics in natural resource management in the UK following on from the results of my PhD.
1998	Madagascar	Independent	Project Coordinator	Management and planning of microchiropteran status and distribution surveys in previously un-surveyed Madagascar rainforest. Funded by Fauna and Flora International (FFI).
1993 - 1996	Tanzania	The Society for Environmental Exploration	Project Coordinator	Frontier Tanzania East Usambara Forest Research Programme - Conducting baseline biodiversity assessments of wet forests in Tanzania.
1993	Uganda	The Society for Environmental Exploration	Science Coordinator	Frontier Uganda Game Park Research Programme. Initiation and supervision of science programmes in Uganda.
1988 - 1989	South Africa	Project Trust	Biology and Maths Teacher	St. Ansgar's school, Roodeport/Soweto, S. Africa.

Other relevant information:

I have personally discovered over 25 species new to science, including 3 new species of snake, 4 new species of chameleons, 2 new species of bats, 1 new species of frog, 5 new species of freshwater crab, 10 new species of butterflies and 1 new species of Iris flower. I 'discovered' to the international science community the largest continuous tract of mid-altitude rain forest in southern Africa (at Mount Mabu, Mozambique). I also identify remote and inaccessible sites of potentially high biodiversity not previously visited by biologists, and subsequently organize, and lead, scientific expeditions to investigate and explore these sites. See:

<https://news.mongabay.com/2024/03/new-ecoregion-proposed-for-southern-africas-threatened-sky-islands/>

<https://news.mongabay.com/2022/10/ethiopias-honey-forest-people-and-wildlife-living-in-sweet-harmony/>

<https://www.youtube.com/watch?v=DLIEX6nYosU>

https://www.youtube.com/watch?v=aDoanNM7O_s

<https://news.mongabay.com/2019/05/audio-exploring-a-hidden-rainforest-on-an-isolated-mountain-in-mozambique/>

<https://www.bbcearth.com/blog/?article=have-we-mapped-the-whole-planet>

<https://www.theguardian.com/world/2018/jun/17/mozambique-mount-lico-rainforest-new-species>

REFEREES

On request

SCIENTIFIC PAPERS

Bayliss, J., Clark, V.R., Sousa, C., Farooq, H., Jorge, A., Massad, T., Monteiro, J., Nhantumbo, I., Roelens, J.B., & T. Kuchler (2025). The Mozambique Mountain Initiative: Safeguarding Mozambique's Unique Montane Ecosystems. *Mountain Research and Development*, 45(4) <https://doi.org/10.1659/mrd.2025.00048>

Congdon, T.C.E., Collins, S., Gardiner, A. & **Bayliss, J. (2025).** A Chain of Butterflies — Butterfly Endemism in Africa's Eastern Mountains. *Metamorphosis* 36: 67–81. <https://dx.doi.org/10.4314/met.v36i1.11>

Bayliss, J., Bittencourt-Silva, G.B., Branch, W.R., Bruessow C., Collins, S.C., Congdon, T.C.E., Conradie, W., Curran, M., Daniels, S., Darbyshire, I., Farooq, H., Fishpool L., Grantham, G., Magombo, Z., Matimele, H., Monadjem A., Monteiro, J., Osborne, J., Saunders, J., Smith, P., Spottiswoode C., Taylor P., Timberlake, J., Tolley, K.A., Tovela, E., & Platts, P. J. (2024) The South East Africa Montane Archipelago (SEAMA) – a biogeographical appraisal of a threatened ecoregion. *Nature Scientific Reports*. <https://doi.org/10.1038/s41598-024-54671-z>

Mustaphi, C. J., Platts, P. J., Willcock, S., Timberlake, J. R., Osborne, J., Matimele, H., Osgood, H. S., Muiruri, V. M., Gehrels, M., Bayliss, J., & Marchant, R. (2024). Tree demographics and soil charcoal evidence of fire disturbances in an inaccessible forest atop the Mount Lico inselberg, Mozambique. *Plants, People, Planet*, 1–16. <https://doi.org/10.1002/ppp3.1058516>

Platts, P. J., Schaafsma, M., Burgess, N. D., Fisher, B., Ricketts, T. H., Swetnam, R. D., Turner, K. R., Ahrends, A., Ashagre, B. B., **Bayliss, J.**, Gereau, R. E., Green, J. M. H., Green, R. E., Jeha, L., Lewis, S. L., Marchant, R., Marshall, A. R., Mbilinyi, B. P., Morse-Jones, S., Munishi, P. K. T., Mwakalila, S., Njana, M., Shirima, D. D., Willcock, S., & A. Balmford (2023) Inequitable Gains and Losses from Conservation in a Global Biodiversity Hotspot. *Environmental and Resource Economics*. <https://doi.org/10.1007/s10640-023-00798-y>

Curran, M., Kopp, M., Ruedi, M., & **Bayliss, J. (2022)** A new species of horseshoe bat (Chiroptera: Rhinolophidae) from Mount Namuli, Mozambique. *Acta Chiropterologica* 24(1): 19–40. <https://doi.org/10.3161/15081109ACC2022.24.1.002>

Bayliss, J., Congdon, C., & S. Collins (2022) A new species of Afriodinia (Abisara) Felder & Felder (Lepidoptera: Riodinidae) from Mt Lico, Northern Mozambique; the revision of the *A. delicata* group; and the reinstatement of *A. zanzibaricus*. *Metamorphosis* 33: 35–42. <https://doi.org/10.4314/met.v33i1.4>

Sáfián, S., **Bayliss, J.** & Congdon, T.C.E. (2022). Description of four *Iolaus* Hübner, 1819 species in the subgenus *Philiolaus* Stempffer & Bennett, 1958 from East Africa, assigned to the proposed *I. maritimus* species group (Lepidoptera, Lycaenidae, Theclinae). *Zootaxa* 5099 (1): 046–064. <https://doi.org/10.11646/ZOOTAXA.5099.1.2>

Admasu S, Mekonnen A, Kebede F, Tessema M, Tefera Z. & **J. Bayliss (2021)** The Application of A Refined SWOT-AHP Based planning and Management Approach for the Conservation of Ethiopia's Protected Area Systems. *Adv Environ Stud* 5(2):443-451. <https://doi.org/10.36959/742/240>

Daniels S.R., Bittencourt-Silva G.B., Muianga V. & **Bayliss J. (2020).** Phylogenetics of the freshwater crab (Potamonautes MacLeay, 1838) fauna from 'sky islands' in Mozambique with the description of a new species (Brachyura: Potamoidea: Potamonautidae). *European Journal of Taxonomy* 716: 1–23. <https://doi.org/10.5852/ejt.2020.716>

Bittencourt-Silva GB, **Bayliss J,** Conradie W. (2020). First herpetological surveys of Mount Lico and Mount Socone, Mozambique. *Amphibian & Reptile Conservation* 14(2) [General Section]: 198–217 (e247).

Bayliss, J., Brattström, O., Bampton, I. (†), & Collins S.C. (2019). A new species of *Leptomyrina* Butler, 1898 (Lepidoptera: Lycaenidae) from Mts Mecula, Namuli, Inago, Nallume and Mabu in Northern Mozambique. *Metamorphosis* 30: 19–24. <https://doi.org/10.4314/met.v30i1.4>

Branch W.R., **Bayliss J.**, Bittencourt-silva G.B., Conradie W., Engelbrecht H.M., Loader S.P., Menegon M., Nanvonamuquitxo C. & K.A. Tolley (2019) A new species of tree snake (*Dipsadoboa*, Serpentes: Colubridae) from 'sky island' forests in northern Mozambique, with notes on other members of the *Dipsadoboa wernerii* group. *Zootaxa* 4646 (3): 541–563. <https://doi.org/10.11646/zootaxa.4646.3.6>

Branch W.R., Verburgt L., **Bayliss J.**, Kucharzewski C., Rödel M.O., & W. Conradie (2019) New records of the Large-eyed Green Snake, *Philothamnus macrops* (Boulenger 1895), from Mozambique. *Herpetology Notes* 12: 19-29.

Bayliss, J., Congdon, T.C.E. & Collins S.C. (2018). A new subspecies of *Papilio (Priniceps) pelodurus* Butler, 1896 (Lepidoptera: Papilionidae: Papilioninae) from several mountains in northern Mozambique. *Metamorphosis* 29: 132–136. <https://doi.org/10.4314/met.v29i2.7>

Spottiswoode C.N., Fishpool L.D.C., & **J.L. Bayliss** (2016) Birds and biogeography of Mount Mecula in Mozambique's Niassa National Reserve. *Ostrich* 3 (87): 281-284 <http://dx.doi.org/10.2989/00306525.2016.1206041>

Bayliss, J.L., Collins, S.C. & Congdon, T.C.E. (2016). A new species of *Iolaus* Hübner subgenus *Epamera* Druce (Lepidoptera: Lycaenidae: Theclinae) from Mts Namuli and Mabu, Northern Mozambique. *Metamorphosis* 27: 21–28.

Willcock, S., Phillips, O. L., Platts, P. J., Swetnam, R. D., Balmford, A., Burgess, N. D., Ahrends, A., **Bayliss, J.**, Doggart, N., Doody, K., Fanning, E., Green, J. M. H., Hall, J., Howell, K. L., Lovett, J. C., Marchant, R., Marshall, A. R., Mbilinyi, B., Munishi, P. K. T., Owen, N., Topp-Jorgensen, E. J. and Lewis, S. L. (2016), Land cover change and carbon emissions over 100 years in an African biodiversity hotspot. *Glob Change Biol*, 22: 2787–2800. <http://dx.doi.org/10.1111/gcb.13218>

Taylor P.J., L.R. Richards, **J. Bayliss**, F.P.D. Cotterill (2015). Rediscovery of the Transvaal free-tailed bat *Tadarida ventralis africana* in South Africa, with an additional record of the Malagasy free-tailed bat *T. fulminans* from northern Mozambique. Durban Natural Science Museum. *Novitates* 38: 50-55.

Bayliss J., Timberlake, J., Branch, W., Bruessow C., Collins, S., Congdon, C., da Sousa, C., Herrmann, E., Dowsett R.J., Dowsett Lemaire F., Fishpool, L.D.C. Harris T., Georgiadis S., Liggitt B., Monadjem A., Patel I.H., Ribeiro D., Spottiswoode C.N., Taylor P., Willcock S., & P. Smith (2014) The Discovery, Biodiversity, and Conservation of Mabu forest – the largest mid-altitude rainforest in southern Africa. *Oryx* 48(2): 177–185. <http://dx.doi.org/10.1017/S0030605313000720>.

Bayliss J., Schaafsma M., Balmford A., Burgess N.D., Green J.M.H., Madoffe S.S., Okayasu S., Peh K S-H., Platts P.J., D.W. Yu (2014). The Current and Future Value of Nature-based Tourism in the Eastern Arc Mountains of Tanzania. *Ecosystem Services* 8 (2014) 75–83: <http://dx.doi.org/10.1016/j.ecoser.2014.02.006>.

Daniels, S., Phiri E., & **J. Bayliss** (2014). Renewed sampling of inland aquatic habitats in southern Africa yield two novel freshwater crab species (Decapoda: Potamonautidae: Potamonautes). *Zoological Journal of the Linnean Society* 171: 356–369. <http://dx.doi.org/10.1111/zoj.12139>.

Branch, W.R., **Bayliss, J.** & Tolley, K.A. (2014) Pygmy chameleons of the *Rhampholeon platyceps* complex (Squamata: Chamaeleonidae): Description of four new species from isolated 'sky islands' of northern Mozambique. *Zootaxa* 3814 (1): 001–036. <http://dx.doi.org/10.11646/zootaxa.3814.1>.

Willcock S., Phillips O.L., Platts P.J., Balmford A., Burgess N.D., Lovett J.C., Ahrends A., **Bayliss J.**, Doggart N., Doody K., Fanning E., Green J.M., Hall J., Howell K.L., Marchant R., Marshall A.R., Mbilinyi B., Munishi P.K., Owen N., Swetnam R.D., Topp-Jorgensen E.J., Lewis S.L. (2014). Quantifying and understanding carbon storage and sequestration within the Eastern Arc Mountains of Tanzania, a tropical biodiversity hotspot. *Carbon Balance and Management* 9:2. <http://dx.doi.org/10.1186/1750-0680-9-2>.

L. T. Ellis; **J. Bayliss**; M. A. Bruggeman-Nannenga; B. Cykowska; R. Ochyra; N. J. M. Gremmen; J-P. Frahm; T. A. Hedderson; P. Heras; V. M. Infante; V. Hugonnot; F. Mogro; V. Plášek; L. Číhal; J. Sawicki; A. Schäfer-Verwimp; A. Stebel; S. Ștefănuț; J. Váňa; J-D. Yang; S-H. Lin (2014). Bryological Notes New national and regional bryophyte records 38. *Journal of Bryology* 36 (1), pp. 61-72. <http://dx.doi.org/10.1179/1743282013Y.0000000085>.

L T Ellis, S C Aranda, A K Asthana, P Bansal, V Nath, V Sahu, **J Bayliss**, G Asthana, S Srivastava, S Yadav, M Brugués, M J Cano, M V Dulin, E Fudali, E Fuertes, R Gabriel, F Pereira, J A F Silva, S R Gradstein, P Hájková, M Hájek, P Heras, M Infante, M Lebouvier, J Marka, K K Newsham, R Ochyra, J Pantović, M S Sabovljević, N Phephu, J van Rooy, D A Philippov, R D Porley, F Puche, A Schäfer-Verwimp, J G Segarra-Moragues, C Sérgio, V R Smith, S Ștefănuț, J Váňa, M J Wigginton (2014). New national and regional bryophyte records, 37. *Journal of Bryology* 35 (4) pp. 290 – 305. <http://dx.doi.org/10.1179/1743282013Y.0000000064>.

Peh, K.S.-H., Balmford, A., Bradbury, R.B., Brown, C., Butchart, S.H.M., Hughes, F.M.R., Stattersfield, A., Thomas, D.H.L., Walpole, M., **Bayliss, J.**, Gowing, D., Jones, J.P.G., Lewis, S.L., Mulligan, M., Pandeya, B., Stratford, C., Thompson, J.R., Turner, K., Vira, B., Willcock, S., & J.C. Birch, (2013). TESSA: A toolkit for rapid assessment of ecosystem services at sites of biodiversity conservation importance. *Ecosystem Services* 5: 51-57. <http://dx.doi.org/10.1016/j.ecoser.2013.06.003>.

Congdon, T.C.E. & **Bayliss, J.L.** (2012). Butterflies of Mt Mecula and Mt Yao, Niassa Province, Northern Mozambique. *Metamorphosis* 23: 26–34.

Taylor P., Stoffberg S., Monadjem A., Schoeman M.C., **Bayliss J.**, & Cotterill F.P.D. (2012) Four new bat species (*Rhinolophus hildebrandtii* complex) reflect Plio-Pleistocene divergence of dwarfs and giants across an Afromontane Archipelago. *PLoS ONE* 7(9): e41744. <http://dx.doi.org/10.1371/journal.pone.0041744>.

Willcock S, Phillips OL, Platts PJ, Balmford A, Burgess ND, Lovett JC, Ahrends A, **Bayliss J**, Doggart N, Doody K, Fanning E, Green J, Hall J, Howell KL, Marchant R, Marshall AR, Mbilinyi B, Munishi PKT, Owen N, Swetnam RD, Topp-Jorgensen EJ, & Lewis SL (2012) Towards Regional, Error-Bounded Landscape Carbon Storage Estimates for Data-Deficient Areas of the World. *PLoS ONE* 7(9): e44795. <http://dx.doi.org/10.1371/journal.pone.0044795>.

Savel, D. & **J. Bayliss** (2012). Unexplored refugia of biodiversity: Mountainous regions in Mozambique and Malawi yield two novel freshwater crab species (Potamonautidae: Potamonautes). *Zoological Journal of the Linnean Society* 164: 498-509. <http://dx.doi.org/10.1111/j.1096-3642.2011.00773.x>.

Staude H., **Bayliss, J.**, & Sihvonen (2011). The Mulanje Tiger Moth Prout, 1922, new status, a critically endangered species from Malaŵi (Lepidoptera: Geometridae:Diptychinae). *Metamorphosis* 22 (2): 49–64.

Congdon, C., Collins, S. & **Bayliss J.** (2010) Butterflies of south east Africa's mountains (Mozambique and Malawi). *Metamorphosis* 21(2): 45-107.

Fishpool, L. D. C. & **Bayliss, J.** (2010) Brief notes on the birds of Mount Inago, northern Mozambique. *African Bird Club Bulletin* 17(2): 198-201.

Monadjem, A., M.C. Schoeman, A. Reside, D. V. Pio, S. Stoffberg, **J. Bayliss**, F.P.D. (Woody) Cotterill, M. Curran, M. Kopp, & P. J. Taylor (2010) A recent inventory of the bats of Mozambique with documentation of seven new species for the country. *Acta Chiropterologica* 12(2): 371–391. <http://dx.doi.org/10.3161/150811010X537963>.

Branch, William R. & Tolley, Krystal A. (2010) A new species of chameleon (Sauria: Chamaeleonidae: Nadzikambia **baylissi**) from Mount Mabu, central Mozambique. *African Journal of Herpetology*, 59(2): 157-172. <http://dx.doi.org/10.1080/21564574.2010.516275>.

Bayliss, J., Burrow, C., Martell, S., & Staude, H. (2010). An ecological study between two living fossils in Malawi – the Mulanje Tiger Moth (*Callioratus grandis*) and the Mulanje Cycad (*Encephalartos gratus*). *African Journal of Ecology*, 48 (2): 472-480. <http://dx.doi.org/10.1111/j.1365-2028.2009.01135.x>.

Branch, W. & **J.L. Bayliss** (2009). A new species of tree viper *Atheris* (Serpentes: Viperidae) from Northern Mozambique. *Zootaxa*: 2113: 41-54.

Spottiswoode C. N., Patel I. H., Herrmann E., Timberlake, J. & **J. Bayliss** (2008). Threatened bird species on two little-known mountains (Mabu and Chipirone) in northern Mozambique. *Ostrich* 79 (1): 1-7. <http://dx.doi.org/10.2989/OSTRICH.2008.79.1.1.359>.

Nangoma, D. & **J.L. Bayliss** (2007). The first use of the MODIS Rapid Response (MRR) fires alert system on Mount Mulanje in Malawi. *Nyala* 24: 3-15.

Bayliss, J.L., Hecht, J., Makungwa, S., Nangoma, D., & Bruessow C. (2007). Saving the Island in the Sky: the plight of the Mount Mulanje cedar *Widdringtonia whytei* in Malawi. *Oryx* 41 (1): 64-69. <http://dx.doi.org/10.1017/S0030605307001548>.

Bayliss, J.L., Simonite, V., Thompson, S. (2006). An innovative approach to targeting sites for wading bird assemblages in the UK. *Journal for Nature Conservation*, 14 (1): 1- 15. <http://dx.doi.org/10.1016/j.jnc.2005.08.006>.

Bayliss, J.L., Simonite, V., Thompson, S. (2005). The use of probabilistic habitat suitability models for biodiversity action planning. *Agriculture, Ecosystems & Environment*, 108 (3): 228-250. <http://dx.doi.org/10.1016/j.agee.2005.02.008>.

Thompson, S., Hazel, A., Bailey, N., **Bayliss, J.** & Lee, J.T. (2004). Identifying potential breeding sites for the stone curlew (*Burhinus oedicephalus*) in the UK. *Journal for Nature Conservation*, 12, 229 - 235. <http://dx.doi.org/10.1016/j.jnc.2004.07.002>.

Bayliss, J., Helyar, A., Lee, J.T. Lee & Thompson, S. (2003). A multi-criteria targeting approach to neutral grassland conservation. *Journal of Environmental Management*, 67, 145 – 160. [http://dx.doi.org/10.1016/S030-4797\(02\)00202-5](http://dx.doi.org/10.1016/S030-4797(02)00202-5).

Bayliss, J. (2002). The East Usambara tree-hole crab (Brachyura: Potamoidea: Potamonautidae) - a striking example of crustacean adaptation in closed canopy forest, Tanzania. *African Journal of Ecology* 40 (1): 26-34. <http://dx.doi.org/10.1046/j.0141-6707.2001.00333.x>

Bayliss, J. & A. Fielding (2002). Termitophagous foraging by *Pachycondyla analis* (Formicidae, Ponerinae) in a Tanzanian coastal dry forest. *Sociobiology* 39 (1): 103-122. <http://dx.doi.org/>

REPORTS

World Bank (2019) Malawi Country Environmental Analysis. co-author on the Biodiversity, Forestry, and Fisheries chapters. World Bank. <https://openknowledge.worldbank.org/handle/10986/31326>

Bayliss J. (2017) GEF-5 investments in 9 Protected Areas through the SRBMP phase 1 - Biodiversity and Protected Areas

Specialist - Final Report. Shire River Basin Management Programme, Government of Malawi.

Bayliss J. (2017) GEF-5 METT analysis of SRBMP phase 1 protected areas. Thematic Monitoring & Evaluation Report No. 62. Biodiversity and Protected Areas Specialist - Final Report. Shire River Basin Management Programme, Government of Malawi.

Bayliss J. (2017) The Elephant Marsh General Adaptive Management Plan 2018-2023. Shire River Basin Management Programme, Government of Malawi.

Timberlake J. & **Bayliss J. (2016)** Elaboration of a Conservation Management Plan for the Mt Mabu Region: Biophysical Attributes. Consultancy report for the FFI Mozambique Office under a CEPF Grant. Project/Donor Code: 379-CEP1.

Bayliss J. (2015) Lengwe National Park Adaptive Management Plan 2015 – 2020. Shire River Basin Management Programme, Government of Malawi.

Bayliss, J. (2015) Carbon Storage Analysis of select Protected Areas under the SRBMP. Shire River Basin Management Programme. Government of Malawi.

Bayliss J L, Spottiswoode C, Congdon T C E, Collins S C, Fishpool L, and Bayliss A. (2013) Unlocking Mts. Mecula and Yao's biological secrets - the missing biogeographical jigsaw pieces in the high altitude mountains of northern Mozambique. A report to National Geographic Grant #W229-12.

Jonathan Timberlake, **Julian Bayliss**, Françoise Dowsett-Lemaire., Colin Congdon, C., Robert Dowsett, Jorge Francisco, Tim Harris, Jose Monteiro, Bill Branch, & Camila da Sousa. (2012) *Mt Mabu, Mozambique: Biodiversity and Conservation*. Report produced under the Darwin Initiative Award 15/036. Royal Botanic Gardens, Kew, London. 114 p.

Ravilious, C., Kapos, V., Osti, M., Bertzy, M., **Bayliss, J.L.**, Dahiru, S., & Dickson, B. (2010) Carbon, biodiversity and ecosystem services: Exploring co-benefits. Nigeria: Preliminary Results. *UNEP-WCMC*, Cambridge, UK.

Bayliss, J., Monteiro, J., Fishpool, L., Congdon, C., Bampton, I., Bruessow, C. & J. Timberlake (2010) The Biodiversity and Conservation of Mount Inago, Mozambique. *Darwin Initiative Project: Monitoring and Managing Biodiversity Loss in South-east Africa's Montane Ecosystems*. DI No. 15/036.

Jonathan Timberlake, Françoise Dowsett Lemaire, **Julian Bayliss**, Tereza Alves, Susana Baena, Jorge Francisco, Tim Harris, Camila da Sousa (2009). The Biodiversity and Conservation of Mount Mabu, Mozambique. Darwin Initiative Project: Monitoring and Managing Biodiversity Loss in South-east Africa's Montane Ecosystems. DI No. 15/036.

Jonathan Timberlake, **Julian Bayliss**, Tereza Alves, Jorge Francisco, Tim Harris, David Nangoma and Camila da Sousa (2009). The Biodiversity and Conservation of Mchese Mountain, Malawi. Darwin Initiative Project: Monitoring and Managing Biodiversity Loss in South-east Africa's Montane Ecosystems. DI No. 15/036.

Jonathan Timberlake, Françoise Dowsett Lemaire, **Julian Bayliss**, Tereza Alves, Susana Baena, Jorge Francisco, Tim Harris, Camila da Sousa (2008). The Biodiversity and Conservation of Mount Namuli, Mozambique. Darwin Initiative Project: Monitoring and Managing Biodiversity Loss in South-east Africa's Montane Ecosystems. DI No. 15/036.

Jonathan Timberlake, **Julian Bayliss**, Tereza Alves, Susana Baena, Jorge Francisco, Tim Harris, Camila da Sousa (2007). The Biodiversity and Conservation of Mount Chipirone, Mozambique. Darwin Initiative Project: Monitoring and Managing Biodiversity Loss in South-east Africa's Montane Ecosystems. DI No. 15/036.

Bayliss, J. (2005). An Ecological Monitoring Programme for Mount Mulanje Forest Reserve, Malawi. Wildlife Conservation Society (WCS) consultancy contract for the Mulanje Mountain Conservation Trust (MMCT).

Lee, J.T., Bailey, N., **Bayliss, J.** & Thompson, S. (2001a). Development of a Biodiversity and Landscape Map for the Chilterns using a GIS based model. Phase I: Production of land use map for the Chilterns Natural Area. English Nature Contract No. TC/12/00.

Lee, J., Griffiths, G., Warnock, S. Bailey, N., **Bayliss, J.**, Vogiatzakis & Thompson, S. (2001b). Development of a Biodiversity and Landscape Map for the Chilterns using a GIS based model. Phase II: Habitat model: formulation, operation and results. English Nature Contract No. TC/17/00.

Bayliss, J & Hayes, B. (1999). The status and distribution of bats, primates, and butterflies from the Makira plateau, Madagascar. A report to the Fauna and Flora International (FFI) 100% fund, Cambridge, UK.

Cunneyworth, P., **Bayliss, J.**, and Stubblefield, L. (1996a). Magoroto Forest: A Biodiversity Survey. Tanzania. East Usambara Catchment Forest Project FINNIDA Technical Paper No. 30. Tanzania/Vanta.

Cunneyworth, P., **Bayliss, J.**, and Stubblefield, L. (1996b). Bamba Ridge Forest Reserve: A Biodiversity Survey, Tanzania. East Usambara Catchment Forest Project FINNIDA Technical Paper No. 31. Tanzania/Vanta.

Cunneyworth, P., **Bayliss, J.**, and Stubblefield, L. (1996c). Mlungui Proposed Forest Reserve: A Biodiversity Survey, Tanzania. East Usambara Catchment Forest Project FINNIDA Technical Paper No. 32. Tanzania/Vanta.