**Israel Temitope Borokini, Ph.D., FLS, ACUE**

Postdoctoral Scholar, Department of Integrative Biology,

Curator of African Flora, University and Jepson Herbaria,

University of California Berkeley, Berkeley CA 94720-2465, U.S.A. **|** +1775.200.3249 **|** [iborokini@berkeley.edu](mailto:tbisrael@nevada.unr.edu) **|** <https://tbisrael.wixsite.com/website>

**RESEARCH INTERESTS**

Plant ecology, biogeography, ecological niche modeling, conservation phylogenetics, conservation biology, invasive species management, traditional ecological and ethnobotanical knowledge, science-policy interface, and science education

**ACADEMIC QUALIFICATIONS**

**University of Nevada Reno, Reno, Nevada U.S.A.**

Degree: Ph.D. (Ecology, Evolution and Conservation Biology), (May, 2021)

Dissertation: Multi-empirical investigations on the population genetic structure, ecological niche, and regeneration of *Ivesia webberi* with conservation implications.

Advisors: Prof. Mary M. Peacock & Prof. Peter J. Weisberg

**University of Ibadan, Ibadan, Nigeria**

Degree: M.Sc. (Botany) with specialization on Plant Systematics, (May, 2010)

Thesis: Ecogeographical variation in *Tacca leontopetaloides* (L.) Kuntze (Taccaceae) in Nigeria.

Advisor: Prof. Abiodun Ayodele

**National Teachers’ Institute, Kaduna, Nigeria**

Degree: Postgraduate Diploma in Science Education (October, 2007)

Thesis: Assessment of the schools’ readiness for ICT-based teaching and learning of Biology in selected secondary schools in Ibadan metropolis of Oyo State.

Advisor: Dr. Segun Awoyefa

**University of Ado-Ekiti, Ekiti State, Nigeria**

Degree: B.Sc. (Hons.) (Botany) (May, 2002)

Thesis: Characterization and Evaluation of twenty cowpea lines under the conditions in University of Ado-Ekiti.

Advisor: Prof. Michael Faluyi

**WORK AND TEACHING EXPERIENCE**

[1] Research experience

|  |  |
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| August 2021 – present | **Postdoctoral scholar,** Prof. Brent Mishler’s lab, University and Jepson Herbaria,Department of Integrative Biology, University of California, Berkeley |
|  |  |
| June – July 2021 | **Postdoctoral research associate,** Dr. Julie Allen’s lab,Department of Biology, University of Nevada, Reno |
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| August 2014 – May 2021 | **Doctoral Dissertation research,** Ecology, Evolution and Conservation Biology (EECB) Graduate Program, Department of Biology, University of Nevada, Reno |
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| May 2008 – April 2021 | **Principal Scientific Officer**, National Centre for Genetic Resources and Biotechnology (NACGRAB), Moor Plantation, Ibadan, Nigeria. |
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| March 2004 – February 2005 | **Nigeria’s National Youth Service Corps (NYSC) placement,** National Centre for Genetic Resources and Biotechnology (NACGRAB), Moor Plantation, Ibadan, Nigeria |
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| September 2003 - February 2004 | **Research Assistantship,** International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. |

[2] Teaching experience

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| August 2014 – May 2021 | **Graduate Teaching Assistant,** Department of Biology, University of Nevada, Reno  *Classes taught: Principles of Biological investigation (1 credit, four semesters, eight lab sections), and Principles of Genetics (3 credits, one semester), as well as coordinator for Biology help center (one semester).* |
|  |  |
| August 2018 – July 2021 | **Adjunct faculty (instructor of record)**, Department of Biology, Truckee Meadows Community College, Reno  *Classes taught: Cell and Molecular Biology lab (1 credit, seven semesters, 14 lab sections), and General Biology for non-majors (3 credits, three lecture and lab sections, three semesters).* |
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| June – August 2020 | **Instructor of record,** Department of Natural Resources and Environmental Science (NRES), University of Nevada, Reno  *Classes taught: Environmental Science (3 credits, two summer sessions) online asynchronous instruction delivery* |
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| November 2006 – April 2008 | **Biology Tutor,** George and Duke International College, Challenge, Ibadan, Nigeria  *Classes taught: High school Biology, preparing High school students for West African Senior Secondary Certificate Examination* |
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| August 2006 – June 2007 | **Advanced Level Biology Lecturer,** Ascending College, Ibadan, Nigeria  *Classes taught: Advanced Level Biology, preparing students for the Cambridge A’ level Biology Examination* |
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| April 2005 - October 2006 | **Biology Tutor,** ECWA Model College, Challenge, Ibadan, Nigeria  *Classes taught: High school Biology, preparing High school students for West African Senior Secondary Certificate Examination* |

[3] Policy and consultancy

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| November 2018 – present | **IPBES Fellow, Sustainable use of wild species assessment,** Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) of the United Nations |
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| May - October 2019 | **Member and Nigeria national representative**, Ad Hoc Technical Expert Group (AHTEG) on invasive alien species (IAS) management tools and guidance; Secretariat of the Convention on Biological Diversity (SCBD) of the United Nations |
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| July – September 2016 | **Project consultant**, geos UAS Inc., Reno NV |
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| August 2017 – May 2018 | **University student writing consultant,** University Writing and Speaking Centre, University of Nevada, Reno |

**SCIENTIFIC PUBLICATIONS**

*BOOKS AND EDITED PROCEEDINGS* [4]

**Borokini TI** and Babalola FD (eds.) (2016). MDGs to SDGs: Toward sustainable biodiversity conservation in Nigeria. Proceedings of the joint biodiversity conservation conference of Nigeria Tropical Biology Association (NTBA) and Nigeria chapter of Society for Conservation Biology (NSCB), University of Ilorin, Ilorin, Nigeria, June 20 – 24, 2016.

Babalola FD, Coker MO and **Borokini TI** (eds.) (2012). People and biodiversity conservation in the 21st century, 85pp. Nigerian Tropical Biology Association 3rd Annual Seminar, University of Ibadan, Nigeria, 25th September 2012.

**Borokini TI** (2011). Conservation and utilization of medicinal plants in Nigeria. A review of the conservation and utilization of medicinal and aromatic plants (MAPs). LAP-Lambert Academic Publishing GmBH and Company, KG. Germany, 69pp.

**Borokini TI** (2010). Biodiversity conservation in Nigeria. Biodiversity assessment at field gene bank of National Centre for Genetic Resources and Biotechnology, Nigeria. LAP Lambert Academic Publishing GmBH and Company, KG. Germany, 47pp.

*JOURNAL ARTICLES* [60]

**Borokini IT**, Klingler KB, and Peacock MM (2021). Life in the desert: The impact of geographic and environmental gradients on genetic diversity and population structure of *Ivesia webberi*. *Ecology and Evolution* 11(23): 17537-17556. https://doi.org/10.1002/ece3.8389 [journal impact factor (IF) = 2.881, citations = 0]

Mwampamba TH, Egoh BN, **Borokini IT**, and Njabo K (2021). Challenges encountered when doing research back home: Perspectives from African conservation scientists in the diaspora. *Conservation Science and Practice* e564. https://doi.org/10.1111/csp2.564 [journal impact factor (IF) = 3.233, citations = 1]

McAlvay AC, Armstrong CG, Baker J, Black L, Bosco ES, Hanazaki N, Joseph L, Martínez-Cruz ET, Nesbitt M, Palmer MA, de Almeida WCP, Anderson J, Asfaw Z, **Borokini IT**, Cano-Contreras EJ, Hoyte S, Hudson M, Ladio AH, Odonne G, Peter S, Rashford J, Wall J, Wolverton S and Vandebroek I (2021). Ethnobiology Phase VI: Decolonizing institutions, projects, and scholarship. *Journal of Ethnobiology* 41(2): 170–191. https://doi.org/10.2993/0278-0771-41.2.170 [journal impact factor (IF) = 1.391, citations = 4]

**Borokini TI**, Weisberg PJ, and Peacock MM (2021). Quantifying the relationship between soil seed bank and plant community assemblage in sites harboring the threatened *Ivesia webberi* in the western Great Basin Desert. *Applied Vegetation Science* 24(1): e12547. https://doi.org/10.1111/avsc.12547 [journal impact factor (IF) = 3.568, citations = 5]

Mwampamba TH, **Borokini IT**, and Egoh BN (2020). Special Section on African Conservation: A periodic opportunity to highlight conservation science from Africa. *Conservation Science and Practice* 2(12): e334. https://doi.org/10.1111/csp2.334 [journal impact factor (IF) = 3.233, citations = 0]

Hackenburg DM, Adams A, Brownson K, **Borokini IT**, Gladkikh TM, Herd-Hoare SC, Jolly H, Kadykalo AN, Kraus EB, McDonough KR, Morse JW, Sandhu SS, Tugjamba N, and Vallet A (2019). Meaningfully engaging the next generation of ecosystem services specialists. *Ecosystem Services* 40: 101041 <https://doi.org/10.1016/j.ecoser.2019.101041> [journal impact factor (IF) = 6.330, citations = 4]

Grimaldi IM, Leke WN, **Borokini TI**, Wanjama D and van Andel T (2018). From landraces to modern cultivars: field observations on taro *Colocasia esculenta* (L.) Schott in sub-Saharan Africa. *Genetic Resources and Crop Evolution* 65: 1809–1828. <https://doi.org/10.1007/s10722-018-0651-4> [journal impact factor (IF) = 1.071, citations = 9]

**Borokini** **TI** (2016). Sanctuary of the Spirits: *Okwu-muo, Ori Oke* and ‘*Mammy Water*’ in the veneration of sacred natural sites in southern Nigeria. *International Journal of Indigenous Heritage* 11: 56 – 70 [journal IF = N/A, citations = 0]

Mwampamba TH, Abrams RW, Awoyemi S, Babalola FD, **Borokini TI**, Egoh B, Idrissi HR, Koussa T, Nganje M and O’Leary J (2016). The implications of globalization for conservation in Africa. *African Journal of Ecology* 54: 133-135. https://doi.org/10.1111/aje.12322 [journal IF = 0.713, citations = 4]

Akinloye AJ, **Borokini TI**, Adeniji KA and Akinnubi FM (2015). Comparative anatomical studies of *Artocarpus altilis* (Parkinson) Fosberg and *Artocarpus communis* (J. R. & G. Forster) in Nigeria. *Sciences in Cold and Arid Regions* 7(6): 0709–0721; 10.3724/SP.J.1226.2015.00709 [journal IF = N/A, citations = 7]

**Borokini TI** (2015). *Okoubaka aubrevillei* (Pelleg. & Norman): A synthesis of existing knowledge for research and conservation in West and Central Africa. *Journal of Biology and Life Science* 6 (1): 67 – 95; <http://dx.doi.org/10.5296/jbls.v6i1.6399> [journal IF = N/A, citations = 3]

Afolayan AO, **Borokini TI** and Afolayan GO (2014). Sublethal effects of methanolic extract of *Raphia hookeri* on the reproductive capacity of *Clarias gariepinus*. *Advances in Zoology* Volume 2014 Article ID 615908, 10 pages; <http://dx.doi.org/10.1155/2014/615908> [journal IF = N/A, citations = 8]

**Borokini TI** (2014). A systematic compilation of endemic flora in Nigeria for conservation management. *Journal of Threatened Taxa* 6 (11): 6406 – 6426; <http://dx.doi.org/10.11609/JoTT.o4010.6406-26> [journal IF = N/A, citations = 16]

**Borokini TI**, Osewa SO, Babalola FD, Alamu O and Olubiyi MR (2014). Adaptation strategies to combating climate variability and extremity among farmers in selected farm settlements in Oyo State, Nigeria. *Albanian Journal of Agricultural Sciences* 13 (3): 32 – 41 [journal IF = N/A, citations = 5]

**Borokini TI,** and Lawal IO (2014). Traditional medicine practices among the Yoruba people of Nigeria: A historical perspective. *Journal of Medicinal Plants Studies* 2 (6): 20-33 [journal IF = N/A, citations = 35]

**Borokini TI**, Ayodele AE and Akinloye AJ (2014). Morphological and anatomical studies on *Tacca leontopetaloides* (L.) Kuntze (Taccaceae) in Nigeria. *Research in Plant Biology* 4 (5): 28-44 [journal IF = N/A, citations = 1]

Uyi OO, Ekhator F, Ikuenobe CE, **Borokini TI**, Aigbokhan EI, Egbon IN, Adebayo AR, Igbinosa IB, Okeke CO, Igbinosa EO and Omokhua GA (2014). *Chromolaena odorata* invasion in Nigeria: A case for coordinated biological control. *Management of Biological Invasions* 5 (4): 377 – 393; http://dx.doi.org/10.3391/mbi.2014.5.4.09 [journal IF = 2.127, citations = 46]

**Borokini TI** (2014). A systematic compilation of IUCN Red-Listed Threatened Plant Species in Nigeria. *International Journal of Environmental Sciences* 3 (3): 104 – 133 [journal IF = N/A, citations = 11]

Awosan EA, Lawal IO, Ajekigbe JM and **Borokini TI** (2014). Antimicrobial potential of *Rothmannia longiflora* Salisb and *Canna indica* Linn extracts against selected strains of fungi and bacteria. *African Journal of Microbiology Research* 8 (24): 2376 – 2380; 10.5897/AJMR2013.6360 [journal IF = 0.539, citations = 3]

Lawyer FE, Jamaleddine ZO, Lyam PT, **Borokini TI**, Adedeji AA and Okere AU (2014). Phytohormones influence on the in-vitro regeneration of *Saccharum officinarum* L. from apical meristem culture. *Journal of Biology and Life Science* 5 (2): 85 – 94; doi:10.5296/jbls.v5i2.4885 [journal IF = N/A, citations = 2]

**Borokini TI**, Ighere DA, Clement M, Ajiboye TO and Alowonle AA (2013). Ethnobiological survey of traditional medicine practices in Oyo State. *Journal of Medicinal Plants Studies* 1 (5): 1 – 16 [journal IF = N/A, citations = 55]

**Borokini TI**, Ighere DA, Clement M, Ajiboye TO and Alowonle AA (2013). Ethnobiological survey of traditional medicine practice for women’s health in Oyo State. *Journal of Medicinal Plants Studies* 1 (5): 17 – 29 [journal IF = N/A, citations = 55]

**Borokini TI**, Ighere DA, Clement M, Ajiboye TO and Alowonle AA (2013). Ethnobiological survey of traditional medicine practice for the treatment of piles and Diabetes mellitus in Oyo State. *Journal of Medicinal Plants Studies* 1 (5): 30 – 40 [journal IF = N/A, citations = 55]

**Borokini TI** (2013). Overcoming financial challenges in the management of botanic gardens in Nigeria: A review. *International Journal of Environmental Sciences* 2 (2): 87 – 94 [journal IF = N/A, citations = 3]

**Borokini TI** (2013). The State of ex-situ conservation in Nigeria. *International Journal of Conservation Science* 4 (2): 197 – 212 [journal IF = N/A, citations = 28]

**Borokini TI**, Clement M, Dickson NJ and Edagbo DE (2013). Ethnobiological survey of traditional medicine practice for skin related infections in Oyo State, Nigeria. *Topclass Journal of Herbal Medicine* 2 (6): 103 – 110 [journal IF = N/A, citations = 4]

**Borokini TI**, Clement M, Dickson NJ and Edagbo DE (2013). Ethnobiological survey of traditional medicine practice for circulatory and nervous system related diseases in Oyo State, Nigeria. *Topclass Journal of Herbal Medicine* 2 (6): 111 – 120 [journal IF = N/A, citations = 14]

**Borokini TI**, Clement M, Dickson NJ and Edagbo DE (2013). Ethnobiological survey of traditional medicine practice for fevers and headaches in Oyo State, Nigeria. *Topclass Journal of Herbal Medicine* 2 (6): 121 – 130 [journal IF = N/A, citations = 6]

**Borokini TI**, Clement M, Dickson NJ and Edagbo DE (2013). Ethnobiological survey of traditional medicine practice for Gastro-intestinal tract infections in Oyo State, Nigeria. *Topclass Journal of Herbal Medicine* 2 (6): 131 – 139 [journal IF = N/A, citations = 6]

**Borokini TI**, Clement M, Dickson NJ and Edagbo DE (2013). Ethnobiological survey of traditional medicine practice for men’s reproductive health in Oyo State, Nigeria. *Topclass Journal of Herbal Medicine* 2 (6): 140 – 148 [journal IF = N/A, citations = 4]

Babalola FD, **Borokini TI**, Onefeli AO and Muchie M (2013). Socio-economic contributions of an indigenous tree in urban areas of southwest Nigeria. *African Journal of Science, Technology, Innovation and Development* 5 (6): 479-489; <http://dx.doi.org/10.1080/20421338.2013.820449> [journal IF = N/A, citations = 5]

**Borokini TI**, Onefeli AO and Babalola FD (2013). Inventory analysis of *Milicia excelsa* (Welw. C.C. Berg.) in Ibadan (Ibadan Metropolis and University of Ibadan), Nigeria. *Journal of Plant Studies* 2 (1): 97 – 109; <http://dx.doi.org/10.5539/jps.v2n1p97> [journal IF = N/A, citations = 4]

Lawal IO, Ige PO, Awosan EA, **Borokini TI** and Amao OA (2013). Growth assessment of endangered *Aframomum sceptrum* (Braun) under different planting regime for sustainable utilization. *African Journal of Agricultural Research* 8 (31): 4184 – 4188; 10.5897/AJAR10.125 [journal IF = 0.263, citations = 0]

**Borokini TI** and Ayodele AE (2012). The pollen morphology of *Tacca leontopetaloides* (L.) Kuntze in Nigeria. *African Journal of Plant Science* 6 (1): 43 – 47; 10.5897/AJPS11.171 [journal IF = N/A, citations = 6]

**Borokini TI** and Uzokwe NE (2012). Potting media and pot sizes and their effects on the growth of *Sterculia setigera* seedlings. *Obeche* 30 (1): 414-416 [journal IF = N/A, citations = 0]

**Borokini TI** and Omotayo FO (2012). Phytochemical and ethnobotanical study of some selected medicinal plants from Nigeria. *Journal of Medicinal Plant Research* 6 (7): 1106 – 1118; 10.5897/JMPR09.430 [journal IF = 0.879, citations = 130]

Omotayo FO and **Borokini TI** (2012). Comparative phytochemical and ethnomedicinal survey of medicinal plants in Nigeria. *Scientific Research and Essays* 7 (9): 989 – 999; 10.5897/SRE09.525 [journal IF = 0.445, citations = 47]

**Borokini TI** and Clement M (2012). Ethnomedicinal significance and conservation status of tree barks sold in herbal markets in Ibadan, Southwest Nigeria. *International Journal of Current Research* 4 (3): 31 – 36 [journal IF = N/A, citations = 4]

**Borokini TI** (2012). Ethnomedicinal significance, mineral composition and phytochemical constituents of *Carica papaya* in Oyo state, Nigeria. *International Journal of Current Research* 4 (3): 43 – 48 [journal IF = N/A, citations = 1]

**Borokini TI**, Babalola FD, Amusa TO, Ivande ST, Wala ZJ, Jegede OO, Tanko D and Ihuma JO (2012). Tropical montane forest biodiversity in Nigeria – Case study of Ngel Nyaki forest reserve, Mambilla Plateau. *International Journal of Environmental Sciences* 1 (2): 95 – 104 [journal IF = N/A, citations = 3]

**Borokini TI**, Babalola FD, Amusa TO, Ivande ST, Wala ZJ, Jegede OO, Tanko D and Ihuma JO (2012). Community-based Forest resources management in Nigeria: Case study of Ngel Nyaki Forest Reserve, Mambilla Plateau, Taraba State, Nigeria. *Journal of Tropical Forestry and Environment* 2 (1): 69 – 76 [journal IF = N/A, citations = 18]

Babalola FD, Amusa TO, Wala ZJ, Ivande ST, Ihuma JO, **Borokini TI**, Jegede OO and Tanko D (2012). Spatial distribution of turaco-preferred food plants in Ngel Nyaki forest reserve, Mambilla Plateau, Taraba State, Nigeria. *Biodiversity* 13 (2): 100-107; <http://dx.doi.org/10.1080/14888386.2012.692175> [journal IF = N/A, citations = 6]

Ighere DA, Edagbo DE, **Borokini TI**, Alowonle AA and Clement M (2012). Herbs used by the Urhobo people in Delta State Nigeria for the treatment of typhoid fever. *International Journal of Recent Scientific Research* 3 (6): 478 – 481 [journal IF = N/A, citations = 0]

Uzokwe E, **Borokini TI**, Lawal I, Audu I and Adams A (2012). Estimating the leaf area of *Irvingia gabonensis* (Aubry-Lecomte ex O’Rorke) from linear measurement. *Journal of Plant Studies* 1 (2): 68 – 74; 10.5539/jps.v1n2p68 [journal IF = N/A, citations = 2]

**Borokini TI** and Afolayan AO (2012). Ecological studies on *Aerangis biloba* (Lindl.) Schltr. Orchidaceae in NACGRAB field gene bank, southwestern Nigeria. *Journal of Threatened Taxa* 4 (11): 3075 – 3081 [journal IF = N/A, citations = 1]

**Borokini TI** and Ayodele AE (2012). Phytochemical screening of *Tacca leontopetaloides* (L.) Kuntze collected from four geographical locations in Nigeria. *International Journal of Modern Botany* 2 (4): 97 – 102; 10.5923/j.ijmb.20120204.06 [journal IF = N/A, citations = 49]

**Borokini TI** and Babalola FD (2012). Management of invasive plant species in Nigeria through economic exploitation: lessons from other countries. *Management of Biological Invasions* 3 (1): 45 – 55; <http://dx.doi.org/10.3391/mbi.2012.3.1.05> [journal IF = 2.127, citations = 67]

Onefeli AO, Babalola FD and **Borokini TI** (2012). Volume prediction for *Milicia excelsa* (Welw C.C. Berg) trees in selected institutions in Ibadan, Oyo State, Nigeria. *Journal of Agricultural Science and Environment* 12 (1): 26 – 38 [journal IF = N/A, citations = 1]

**Borokini TI** (2012). The challenges of forest biodiversity conservation under climate change stress in Nigeria. *International Journal of Basic and Applied Sciences* 1 (2): 140-147 [journal IF = N/A, citations = 0]

Uzokwe NE, **Borokini TI** and Adewole EO (2011). Response of *Albizia lebbeck* (Linn.) Benth. to liquid and solid manure application on different soil media. *Obeche* 29 (1): 151 – 156 [journal IF = N/A, citations = 0]

**Borokini TI**, Ajiboye TO, Edagbo D, Ighere DA, Alowonle AA and Clement M (2011). Ethnobiological uses of plants and animals in the field gene bank of National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria. *Obeche* 29 (2): 230 – 244 [journal IF = N/A, citations = 0]

**Borokini TI** (2011). Utilization of non-timber forest products for economic development in Nigeria. *Nature and Faune* (FAO) 25 (2): 68 – 71 [journal IF = N/A, citations = 0]

**Borokini TI**, Lawyer FE and Ayodele AE (2011). In vitro propagation of *Tacca leontopetaloides* (L.) Kuntze in Nigeria. *Egyptian Journal of Biology* 13: 51 – 56; doi.org/10.4314/ejb.v13i1.8 [journal IF = N/A, citations = 12]

Ighere DA, Ajiboye TO, Edagbo DE, **Borokini TI**, Alowonle AA, Michael C, Giwa A and Adeyemo A (2011). Ethno-botanical survey of local herbs used for the treatment of Malaria fever among the Urhobo people in Delta State, Nigeria. *International Journal of Current Research* 3 (11): 336 – 339 [journal IF = N/A, citations = 5]

**Borokini TI** (2011). Diversity, distribution and utilization of urban trees in Ibadan, Southwest Nigeria. *Nature and Faune* (FAO) 26 (1): 54 – 59 [journal IF = N/A, citations = 5]

Lawal IO, **Borokini TI**, Oyeleye A, Williams OA and Olayemi JO (2011). Evaluation of extract of *Ficus exasperata* Vahl root bark for antimicrobial activities against some strains of clinical isolates of bacterial and fungi. *International Journal of Modern Botany* 2 (1): 6 – 12; 10.5923/j.ijmb.20120201.02 [journal IF = N/A, citations = 28]

**Borokini TI** (2011). Invasive alien plant species in Nigeria and their effects of Biodiversity Conservation. *Tropical Conservation Science* 4: 103 – 110 [journal IF = 1.613, citations = 26]

**Borokini TI**, Okere AU, Giwa AO, Daramola BO and Odofin WT (2010). Biodiversity and conservation of plant genetic resources in field gene bank of the National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria. *International Journal of Biodiversity and Conservation* 2 (3): 37 – 50; https://doi.org/10.5897/IJBC.9000015 [journal IF = N/A, citations = 44]

Lawal IO, Igboanugo ABI, Osikarbor B, Duyilemi OP, Adesoga AA, **Borokini TI** and Adeyanju BA (2010). Evaluation of plant based non-timber forest products (ntfps) as potential bioactive drugs in south-western Nigeria. *Journal of Clinical Medicine and Research* 3(4): 66 – 71 [journal IF = N/A, citations = 15]

**Borokini TI** (2010). Biodiversity conservation and climate change in Nigeria. *Nature and Faune* (FAO) 25 (1): 69 – 79 [journal IF = N/A, citations = 3]

*Journal impact factor is based on the InCites Journal Citation Reports (*[*https://jcr.clarivate.com/JCRLandingPageAction.action*](https://jcr.clarivate.com/JCRLandingPageAction.action)*), number of citations is based on Google Scholar.*

*SCIENTIFIC CONFERENCE PARTICIPATION AND PRESENTATIONS*

Oral presentations [35]

**Borokini IT,** Nussear K, Dilts TE, and Weisberg PJ (2022). Conservation implications of the discovery of new locations of a threatened species using iterative ensemble niche modeling. 11th Northern California Botanists symposium, virtual, January 11-12, 2022.

**Borokini TI** (2020). Quantifying the relationship between soil seed bank and plant community assemblage in *Ivesia webberi* A. Gray populations. 47th Natural Areas Virtual conference, Natural Areas Association, October 1 – 12, 2020.

**Borokini TI**, Witt A and Aigbokhan EA (2019). Taxonomic structure and biogeographic patterns of introduced plant species in Nigeria. 29th International Congress for Conservation Biology (ICCB), Kuala Lumpur, Malaysia, July 21 – 25, 2019.

**Borokini TI** (2018). Conservation and ecosystem services of sacred natural sites in Nigeria. A community of ecosystem services (ACES) 2018 conference, Washington DC, December 3-6, 2018.

**Borokini TI** (2018). The impact of heavy exploitation of invasive alien plant species on their management and control in Nigeria. 2018 Cal-IPC symposium, California Invasive Plant Council, Monterrey CA, November 7-10, 2018.

**Borokini TI** and Peacock MM(2018). Species diversity in the soil seed bank and aboveground communities of selected *Ivesia webberi* A. Gray population sites. Nevada rare plant workshop 2018, Nevada Native Plant Society (NNPS) and Nevada Natural Heritage Program (NNHP), April 5 – 6, 2018, San Rafael Regional Park, Reno, Nevada.

**Borokini TI,** Weisberg PJ and Dilts TE (2018).Ecological niche modelling of *Ivesia webberi* A. Gray in Nevada and California. California Native Plant Society (CNPS) 2018 conservation conference, February 1 – 3, 2018, Los Angeles, California.

Babalola FD, **Borokini TI** and Onefeli AO (2017). Urban forest as sanctuary for a threatened indigenous tree species in southwest Nigeria. 125th anniversary congress of IUFRO, September 17 – 22, Freiburg, Germany.

**Borokini TI,** Weisberg PJ, and Dilts TE (2017).Speciesdistribution modelling of *Ivesia webberi* A. Gray in Nevada and California. 28th International Congress for Conservation Biology (ICCB), July 23-27, 2017, Cartagena, Colombia. *(Published in the conference book of abstracts)*

**Borokini TI** (2017).Interacting with traditional institutions on ethnomedicinal and native sacred plants: case study in Nigeria. Symposium presentation at 28th International Congress for Conservation Biology (ICCB), July 23-27, 2017, Cartagena, Colombia. *(Published in the conference book of abstracts)*

**Borokini TI**, Lebbie A, and Akotto FA (2017). Review of endemic vascular flora in the Guinean forests of West Africa. 8th Biennial Conference of International Biogeography Society, January 9 – 13, Tucson, Arizona. *(Published in the conference book of abstracts)*

**Borokini TI**, Lebbie A, and Akotto FA (2016). Review of endemic vascular flora in the Guinean forests of West Africa. 3rd African Congress for Conservation Biology (ACCB), Society for Conservation Biology Africa Section, September 4 – 8, El Jadida, Morocco. *(Published in the conference book of abstracts)*

**Borokini TI,** Weisberg PJ and Peacock MM (2016). Ecological niche modelling of *Ivesia webberi* Gray in Nevada and California. North American Congress for Conservation Biology (NACCB), Society for Conservation Biology North America section, July 17 – 20, Madison WI

**Borokini TI** (2016). Maintenance of genetic diversity among captive animals in Nigerian zoological gardens. Joint Biodiversity Conservation Conference of Nigeria Tropical Biology Association (NTBA) and Nigeria Chapter of Society for Conservation Biology (NSCB), University of Ilorin, Ilorin, Nigeria, June 20 – 24, 2016. *(Published in the conference proceedings)*

Babalola F and **Borokini T** (2014). Threats to indigenous beliefs and cultural practises used in forest protection: case study from southwest Nigeria. XXIV IUFRO World Congress, Salt Lake City, USA, October 5 – 11, 2014. *(Published in the Book of abstracts)*

**Borokini TI** and Babalola FD (2013). A systematic compilation of endemic plants in Nigeria for conservation management. 4th Nigerian Tropical Biology Association (NTBA), University of Lagos, Lagos, Nigeria. *(Published in the conference proceedings)*

**Borokini TI** and Ayodele AE (2012). Ecogeographical variation of *Tacca leontopetaloides* (L) Kuntze (Taccaceae) in Nigeria. 21st Annual Conference of Botanical Society of Nigeria (BOSON) held at Obafemi Awolowo University, Ile-Ife; June 3 – 7, 2012. *(Published in the Book of abstracts)*

**Borokini TI** (2012). Ethnomedicinal significance, mineral composition and phytochemical constituents of *Carica papaya* in Oyo State, Nigeria. 21st Annual Conference of Botanical Society of Nigeria (BOSON) held at Obafemi Awolowo University, Ile-Ife; June 3 – 7, 2012. *(Published in the Book of abstracts)*

**Borokini TI** (2012). Medicinal Significance and nutritional value of *Moringa oleifera* in Nigeria: A review. First UNILORIN Moringa international conference held at University of Ilorin, Ilorin; September 11, 2012. *(Published in the Book of abstracts)*

**Borokini TI** and Ojo AV (2012). Changing climate in Sahel savannah of Nigeria: evidences, effects and adaptation strategies. Alexander von Humboldt Kolleg International Conference, University of Maiduguri, held at DRACC, Abuja; December 11 – 13, 2012. *(Published in the conference proceedings)*

**Borokini TI** and Clement M (2012). Ethnomedicinal significance and conservation status of tree barks sold in herbal markets in Ibadan, Southwest Nigeria. 2nd annual conference of the Association of Women in Forestry and Environment (AWIFE), Forestry Research Institute of Nigeria, Ibadan, Nigeria; November 6, 2012. *(Published in the conference proceedings)*

**Borokini TI**, Babalola, FD and Onefeli AO (2012). Trees in Urban area: survey of Iroko (*Milicia excelsa* Welw. C.C Berg.) trees in Ibadan Metropolis, Oyo state, Nigeria. 3rd Biennial National Conference of the Forests and Forest Products Society held at University of Ibadan; April 3 – 6, 2012. *(Published in the conference proceedings)*

**Borokini TI** (2012). Diversity and utilization of urban trees in Ibadan Metropolis, Southwest Nigeria. 3rd Biennial National Conference of the Forests and Forest Products Society held at University of Ibadan; April 3 – 6, 2012. *(Published in the conference proceedings)*

**Borokini TI** and Clement M (2012). Ethnomedicinal significance and conservation status of tree barks in herbal markets in Ibadan, Southwest Nigeria. 3rd Biennial National Conference of the Forests and Forest Products Society held at University of Ibadan; April 3 – 6, 2012. *(Published in the conference proceedings)*

Babalola FD, Osho AO and **Borokini TI** (2012). Emerging initiatives in the production and consumption of bioenergy and biofuels: learning from global experiences. UNILORIN Jatropha plant: panacea for global warming and sustainable development conference; April 16 – 18, 2012. *(Published in the Book of Abstracts)*

Babalola FD, Amusa TO, Wala ZJ, Ivande ST, Ihuma JO, **Borokini TI**, Jegede OO and Tanko D (2012). Survey of and threats to Turacos preferred food plants in Ngel Nyaki forest reserve, Mambilla Plateau, Taraba State, Nigeria. 3rd Annual seminar of Nigerian Tropical Biology Association, University of Ibadan, Nigeria; September 25, 2012. *(Published in the conference proceedings)*

**Borokini TI** and Babalola FD (2012). Issues on threatened taxa of Nigeria: A call for conservation action. 3rd Annual seminar of Nigerian Tropical Biology Association, University of Ibadan, Nigeria; September 25, 2012. *(Published in the conference proceedings)*

**Borokini TI** (2011). The challenges of forest biodiversity conservation under climate change stress in Nigeria. International Conference in Freiburg, Germany, titled ‘Forest Biodiversity in a changing climate: understanding conservation strategies and policies; September 21 – 23, 2011.

**Borokini TI** and Lawyer FE (2011). In-vitro propagation of *Tacca leontopetaloides* (L.) Kuntze. 11th Annual scientific conference of the Nigerian Society of Experimental Biology (NISEB), University of Lagos (UNILAG); March 28 – April 2, 2011. *(Published in the Book of Abstracts)*

**Borokini TI** (2011). Community-based Forest resources management in Nigeria: Case study of Ngel Nyaki forest reserve, Mambilla Plateau, Taraba State, Nigeria. 4th Annual conference of the Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife; June 28 – 30, 2011. *(Published in the Book of Abstracts)*

**Borokini TI** (2010). Application of bioresources for poverty alleviation in Nigeria. 2nd annual seminar of the Nigerian Tropical Biology Association (NTBA), University of Ibadan, Ibadan, Nigeria. *(Published in the conference proceedings)*

**Borokini TI** (2010). Conservation, cultivation and utilization of medicinal and aromatic Plants (MAPs) in Nigeria. 19th annual conference of Botanical Society of Nigeria (BOSON), Umaru Musa Yar’Adua University, Katsina State. *(Published in the Book of abstracts)*

**Borokini TI** (2010). The current trends of deforestation in Nigeria. 19th Annual Conference of Botanical Society of Nigeria (BOSON), Umaru Musa Yar’Adua University, Katsina. *(Published in the Book of abstracts)*

Lawal IO, Uzokwe NE, Adio AF, **Borokini TI**, Faloye B, Awosan EA and Adesoga AA (2009). Collection, collation and identification of some medicinal plants as a means of sustaining forest development in Nigeria. Maiden annual conference of Association of Women in Forestry and Environment (AWIFE). *(Published in the conference proceedings)*

Lawal IO, Olatunji BP, **Borokini TI**, Awosan EA, Olayemi JO and Fadare DA (2009). Phytochemical screening and evaluation of *Heinsia crinita* (Afzel.) for its in-vitro activities on some bacterial species. 11th International symposium on drug development: problems and prospects, pp. 24, Obafemi Awolowo University, Ile-Ife, Nigeria; November 22 – 25, 2009. *(Published in the Book of Abstracts)*

Poster presentations [5]

**Borokini TI**, Klingler KB, and Peacock MM (2021). Spatial genetic structure and functional connection in *Ivesia webberi*. Virtual 30th International Congress for Conservation Biology, Society for Conservation Biology, December 6 – 17, 2021.

Akeredolu E, **Borokini TI** and Njabo K (2020). Contribution of pet trade to the decline in the population of African grey parrots in Lagos, Nigeria. Virtual North American Congress for Conservation Biology (NACCB), Society for Conservation Biology North America Section, Denver, CO., July 27 – 31, 2020.

**Borokini TI** and Peacock MM (2018). Species diversity in the soil seed bank and above-ground communities of selected *Ivesia webberi* A. Gray population sites. North American Congress for Conservation Biology (NACCB), Society for Conservation Biology North America section, Toronto, Canada, July 21 – 26, 2018.

**Borokini TI** and Peacock MM (2019). Seed germination and viability studies in *Ivesia webberi* A. Gray. 9th Northern California Botanists symposium, California State University, Chico CA, January 14-16, 2019.

**Borokini TI** (2018). The impact of heavy exploitation of invasive alien plant species on their management and control in Nigeria. 2018 Cal-IPC symposium, California Invasive Plant Council, Monterrey CA, November 7-10, 2018.

Attendance [5]

Ecological Society of America 2021 virtual conference, titled, “Vital connections in Ecology”, August 2 – 6, 2021.

Northern California Writing Centers Association (NCWCA) Conference, titled “Curiosity, collaboration connections: The NCWCA (un)conference”, Santa Clara University, Santa Clara, CA, April 7, 2018.

27th International Congress for Conservation Biology (ICCB) and 4th European Congress for Conservation Biology titled, “Mission Biodiversity: choosing new paths for conservation”, Montpellier, France. 31 July – 8 August 2015.

3rd Annual Conference of the Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, 15th – 17th June 2010.

Science Writers 2021 annual conference (virtual), organized by Council for the Advancement of Science Writers (CASW), and National Association of Science Writers (NASW); October 2-11, 2021.

Invited presentations [8]

**Borokini TI,** Broderick SR,Peacock MM andBirchler JA (2020). Variations in the nuclear genomic size in *Ivesia* from western North America and its taxonomic implications. Northern California Botanists 2020 symposium, California State University, Chico CA, January 13-14, 2020.

**Borokini TI,** Broderick SR,Peacock MM, Hallas JM, andBirchler JA (2020). Taxonomic implications of variations in nuclear genomic size in *Ivesia* from western North America, presented at the University of California, Berkeley University and Jepson Herbaria Botany Lunch; September 11, 2020

**Borokini TI,** Nussear KE., Weisberg PJ., Dilts TE, andPeacock MM (2020). Iterative ecological niche modeling and adaptive sampling resulted in the discovery of novel locations of the threatened *Ivesia webberi*, presented at the Conservation Lecture series of the California Department of Fish and Wildlife; November 19, 2020.

**Borokini TI** (2020). Biogeographical inferences from genome size and ecological niche of *Ivesia* Torrey and A. Gray, presented at the Leipzig University, Leipzig, Germany research seminar for the Molecular Evolution and Plant Systematics research group; December 17, 2020

**Borokini TI,** Broderick SR,Peacock MM, Hallas JM, andBirchler JA (2021). Genome size diversity in the North American deserts endemic genus *Ivesia* (Rosaceae), presented at the Utah Rare Plant Meeting of the Utah Native Plant Society, Utah, United States; March 2, 2021.

**Borokini TI** (2021). Ethnobotanical knowledge of the traditional medicinal practices in southwestern Nigeria. 15th International Herb Symposium virtual conference, June 10 – 13, 2021

**Borokini TI** (2022). Effectiveness of iterative ensemble niche modeling and multiyear field validation to improve model predictive accuracy. Biology Department, San Jose State University, San Jose CA, March 16, 2022

**Borokini TI** (2022).Ecological niche modelling and the Wallacean shortfall. Nigeria Tropical Biology Association bi-monthly seminar, March 21, 2022.

*IUCN RED LIST OF THREATENED SPECIES ASSESSMENTS*

**Borokini TI**, Rivers MC and Wheeler L (2015). *Okoubaka aubrevillei*. The IUCN Red list of threatened species 2015: e.T71022951A71022977. [http://dx.doi.org/10.2305/IUCN.UK.2015- 4.RLTS.T71022951A71022977.en](http://dx.doi.org/10.2305/IUCN.UK.2015-%204.RLTS.T71022951A71022977.en)

**Borokini TI**, Rivers MC and Wheeler L (2015). *Okoubaka michelsonii*. The IUCN Red list of threatened species 2015: e.T71022930A71022939. <http://dx.doi.org/10.2305/IUCN.UK.2015-4.RLTS.T71022930A71022939.en>.

*DATA PUBLICATIONS*

**Borokini TI,** Wong LJ, and Pagad S. (2019). Global Register of Introduced and Invasive Species- Nigeria. Version 1.2. Invasive Species Specialist Group ISSG. Checklist dataset <https://doi.org/10.15468/gobtho> accessed via GBIF.org on 2019-08-23.

*OTHER CONTRIBUTIONS*

**Borokini TI** (2013). Lake Chad: The disappearing inland Lake. In: RW Howarth (ed.), Biomes and Ecosystems encyclopaedia (4 volumes). Salem Press, New Jersey, 1440 pp. ISBN: 978-1-4298-3813-9

**Borokini TI** (2013). Niger Delta swamp forests: A biodiverse forest ecosystem threatened by oil exploration and deforestation. In: RW Howarth (ed.), Biomes and Ecosystems encyclopaedia (4 volumes). Salem Press, New Jersey, 1440 pp. ISBN: 978-1-4298-3813-9

**Borokini TI** (2013). River Niger: A river of rivers in the desert. In: RW Howarth (ed.), Biomes and Ecosystems encyclopaedia (4 volumes). Salem Press, New Jersey, 1440 pp. ISBN: 978-1-4298-3813-9

**Borokini TI** (2013). Sahara Desert: Snowfall in the hottest desert of the world In: RW Howarth (ed.), Biomes and Ecosystems encyclopaedia (4 volumes). Salem Press, New Jersey, 1440 pp. ISBN: 978-1-4298-3813-9

*CITATION STATISTICS*

Google Scholar publication citations 793

Google Scholar citation h-index 15

Google Scholar i10-index 18

ResearchGate index 19.7

ResearchGate total research interest 640.6

**MENTORING**

* Mentor, Society for Conservation Biology (SCB), African section 2015 E-mentoring programme
* Ms. Ritika Marsani, lab/data analysis research assistant (2018-2019)
* Mr. Nicholas Kimutis, summer field research volunteer (May–July 2018)
* Ms. Ashlyn Tanghal, summer field research volunteer (May–July 2018)
* Mr. Christoph Bordigioni, summer field research volunteer (May–July 2018)
* Mr. Quadri Anibaba, data review assistant (March–December 2020)
* PlantingScience high school student mentoring (September 2020 – May 2021)
* Jessica Chan, Undergraduate Research Apprentice Program, University of California, Berkeley (January 2022 – present)
* Karen Chang, Undergraduate Research Apprentice Program, University of California, Berkeley (January 2022 – present)
* Hope Cummings, Undergraduate Research Apprentice Program, University of California, Berkeley (January 2022 – present)
* Can Karakoc, Undergraduate Research Apprentice Program, University of California, Berkeley (January 2022 – present)
* Will Potratz, Undergraduate Research Apprentice Program, University of California, Berkeley (January 2022 – present)

**PUBLIC PRESENTATIONS & OUTREACH**

* *The African “Death tree’ is dying: African medicinal plants, uses and threats.* Lecture presented at the Nevada Native Plant Society (NNPS) monthly meeting, March 5, 2015.
* *The Life of Charles Darwin*. Lecture presented at Reno Darwin Day 2016 organized by Secular Student Alliance, Reno Freethinkers and University of Nevada, Reno, February 21, 2016.
* *Ivesia webberi* A. Gray *is tougher than you think: a field journal presentation*. Lecture presented at the Nevada Native Plant Society (NNPS) monthly meeting, September 6, 2018.
* *Native plants of the Great Basin Desert and their historical uses*. A lecture presented at the 2019 summer school camp program for K-12 students, Galena Creek Visitor Center, Reno NV, July 2019.
* *Seed regeneration and behavior of wire mousetail in the Great Basin Desert*. An invited talk presented at Galena Creek Visitor Center, Reno, Nevada, February 1, 2020.

**RESEARCH FELLOWSHIP AWARDS**

* David H. Smith Postdoctoral Fellowship. Cedar Tree Foundation & Society for Conservation Biology (2021 – 2023).
* United States National Science Foundation (NSF) Postdoctoral Research Fellowship in Biology (2021) - *declined*.

**COMPETITIVE RESEARCH GRANTS & AWARDS [US$ 218,204.00]**

|  |  |
| --- | --- |
| 2010 | * International Tropical Timber Organization (ITTO) Fellowship award, Japan ($4450) |
|  | * Best young conservation scientist paper presentation award (NTBA 2nd annual seminar) |
|  |  |
| 2011 | * Albert Ludwigs University of Freiburg International conference travel grant (€1000 = $720) |
|  |  |
| 2015 | * Brussard scholarship, Department of Biology, University of Nevada, Reno, 2015 – 2016 ($600) |
|  | * California Native Plant Society (CNPS) Doc Burr grant ($300) |
|  | * U.S. Fish and Wildlife Service and University of Nevada, Reno cooperative agreement award number F15AC00XXX for genetic diversity, distribution modeling and soil seed bank density on *Ivesia webberi* ($15,000.00) |
|  |  |
| 2016 | * Nevada Native Plant Society (NNPS) Margaret Williams research grant ($1000) |
|  | * SCB North America 2016 Student travel award ($895) |
|  | * Diana Hadley-Lynch scholarship, Department of Biology, University of Nevada, Reno, 2016 – 2017 ($1200) |
|  | * Northern California Botanists (NCB) 2016 Botany Research Scholarship program ($1000) |
|  |  |
| 2017 | * SCB Graduate Student Research fellowship ($1000) |
|  |  |
| 2018 | * California Native Plant Society (CNPS) student travel funding ($395) |
|  | * Northern California Botanists (NCB) 2018 Botany research scholarship program ($1000) |
|  | * A community on ecosystem services (ACES 2018) student fellow |
|  | * California Native Plant Society (CNPS) San Diego chapter mini-grant ($500) |
|  | * California Native Plant Society (CNPS) education grant – Stebbins fund ($600) |
|  |  |
| 2019 | * Native Plant Society of Oregon field research grant ($750) |
|  | * Grant-in-aid program, Utah Native Plant Society ($1000) |
|  | * California Native Plant Society (CNPS) Shasta chapter Oak tree grant ($500) |
|  | * Arizona Native Plant Society (AZNPS) 2019 Doug Green Research grant ($750) |
|  | * Idaho Native Plant Society 2019 Education, Research, and Inventory Grant Program ($500) |
|  |  |
| 2021 | * David H Smith Conservation Research Fellowship at the University of California, Berkeley ($185,544.00) |

**PROFESSIONAL CERTIFICATIONS**

* Certificate in Effective College Instruction. *The Association of College and University Educators (ACUE) and the American Council on Education (ACE)*; 28th March 2020.

**PROFESSIONAL DEVELOPMENT COURSES [31]**

Biodiversity Conservation

* **Tissue culture protocol development for food and tree crops.** National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria; 7th – 13th December 2009.
* **Shea butter seed germination and stock plant production for plantation development.** National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria; 14th – 16th July 2010.
* **Conservation genetics for tree species.** Bioversity International and SCB, Montpellier, France, August 1, 2015
* **Using the IUCN Red List Categories and Criteria to assess extinction risk of species for the global and national Red Lists.** IUCN and SCB, Montpellier, France; August 7 – 8, 2015
* **Introduction to Biodiversity Specimen Digitization course**. iDigBio Digitization Academy, Online, August 9-12, 2021.
* **Monitoring and communicating biodiversity.** Darwin scholarship programme, Field Studies Council, Shrewsbury, United Kingdom; August 19 – 29, 2015
* **Effective conservation leadership**. Smithsonian Conservation Biology Institute (SCBI) and George Mason University, Front Royal, VA, United States of America. 3rd – 13th May, 2011.

Research designs, data analysis, and ecological modeling

* **Research methodologies in genetic resources management**. National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria; 9th March 2011.
* **Data analysis and statistical applications**. National Centre for Genetic Resources and Biotechnology, Ibadan, Nigeria; December 17, 2013.
* **Designing research projects in the field**. Developing research capacity among African environmental scientists (DRECA), jointly funded and organized by European Union, Tropical Biology Association (TBA), United Kingdom, EU’s ACP Group of States and Nigerian Conservation Foundation (NCF), in Ibadan, Nigeria; June 26 - 29, 2012.
* **Hierarchical models for conservation biologists made easy.** North American Congress for Conservation Biology, Madison WI; July 16, 2016
* **Species distribution modelling in conservation using R: from start to finish.** North American Congress for Conservation Biology, Madison WI; July 21, 2016
* **Introduction to network analysis in biogeography.** International Biogeography Society, Tucson AZ; January 9, 2017
* **Using occupancy models to address conservation questions.** Society for Conservation Biology North America section, July 20-21, 2018.
* **Introduction to Python.** University of Nevada, Reno, February 16, 2019.
* **Google mapping and earth engine.** Geo for Good summit 2019, Google headquarters, Sunnyvale CA, September 16-19, 2019.
* **Bayesian Additive Regression Trees.** International Biogeography Society, Online, April 6-7, 2021
* **Critical Skills to Scale Up Ecology Workshop for Graduate Students**. Ecological Society of America (ESA) Strategies for Ecology Education, Diversity and Sustainability program (SEEDS), September 2-October 26, 2021.

Scientific communication

* **“Writing your manuscript”, “Submitting and peer review”, “Peer review”, “English Academy”, “Book Academy”** and **“Open Access Publishing”.** Springer and edanz online journal academy courses; September 2015
* **Research writing.** INASP AuthorAID online course; April 1 – May 31, 2016
* **Planning your scientific journey.** iBiology courses, September - December 2017.
* **Survey research methods: sampling and questionnaire design.** Society for Conservation Biology North America section, July 26, 2018.
* **Communicating and disseminating research results**. Developing research capacity among African environmental scientists (DRECA), jointly funded and organized by European Union, Tropical Biology Association (TBA), United Kingdom, EU’s ACP Group of States and Nigerian Conservation Foundation (NCF), in Ibadan, Nigeria; August 23 - 26, 2011.
* **Academic Publishing Guide for Early Career Researchers**. Elsevier BV and University Libraries, University of Nevada Reno, September 8, 2014
* ***ComSciCon-SciWri2021* Communicating science workshop**. Council for the Advancement of Science Writers (CASW), and National Association of Science Writers (NASW), October 2-11, 2021.
* **EPIC Postdoc bootcamp** **(professional and career development)**. University of California San Diego, September 15-October 6, 2021.

Science education

* **Preventing death by lecture.** Truckee Meadows Community College, Reno, September 28, 2018
* **Effective teaching strategies for biological and environmental scientists**. Developing research capacity among African environmental scientists (DRECA), jointly funded and organized by European Union, Tropical Biology Association (TBA), United Kingdom, EU’s ACP Group of States and Nigerian Conservation Foundation (NCF) and University of Ghana, in Aburi, Ghana; between October 29 and 30, 2012.
* **Effective teaching practices,** Association of College and University Educators (ACUE), University of Nevada, Reno, October - December 2017
* **Getting results: an online professional development certificate program,** Truckee Meadows Community College, Reno, fall 2018 semester
* **Teaching with Technology.** University of Nevada, Reno, fall 2018 semester.
* **Pathways to Scientific Teaching course**. Visiting Scholar and Postdoc Affairs (VSPA), University of California, Berkeley, October 4–8, 2021.
* **Teaching evolution through a culturally competent lens**. Brigham Young University, Provo, Utah, October 27 – 30, 2021.

**SERVICE**

1. **Society for Conservation Biology (SCB)**

[http://conbio.org/]

* President of the Board of Directors, Africa Section & Member, Board of Governors
  + *April 2019 – present*
* Member, Board of Directors & President-Elect (Africa Section)
  + *January 2018 – April 2019*
* Member, Board of Directors & Information Officer (Africa Section)
  + *May 2015 – December 2017*
* Secretary, SCB Chapters Committee
  + *July 2016 – August 2019*
* Member, SCB Global Awards Committee
  + *April 2017 – May 2019*
* Member, Conference Planning and Scientific Committees for the 3rd African Congress for Conservation Biology (ACCB) in El Jadida, Morocco in September 2016
  + *May - September 2016*
* Member, Steering Committee, for the 30th International Congress for Conservation Biology (ICCB), Kigali, Rwanda, July 2021
  + *March 2020 – December 2021*
* Co-chair, Organizing Committee for the 6th North American Congress for Conservation Biology (NACCB), Reno, Nevada, July 2022
  + *June 2021- present*

1. **Botanic Gardens Conservation International, Kew, UK**

[https://www.bgci.org/]

* BGCI Liaison Officer – Nigeria
  + *September 2, 2012 – December 13, 2013*

1. **Nigeria Tropical Biology Association (NTBA)**

[http://www.tropical-biology.org/]

* Secretary, Nigeria Tropical Biology Association alumni group
  + *2012 – 2016*
* Chair, Scientific committee, NTBA and Nigeria chapter of Society for Conservation Biology (NSCB) joint conference, University of Ilorin, Ilorin, Nigeria, June 20-24, 2016
  + *February – June 2016*

1. **The Great Basin Institute**

[https://www.thegreatbasininstitute.org/]

* International Conservation Volunteer Exchange (ICVE) Internship
  + *April 25 – October 17, 2013*
* Galena Creek Visitor Center naturalist intern
  + *February 24 – August 7, 2014*

1. **Academic Staff Union of Research Institutions (ASURI)**

[http://www.asuri.org/]

* Pioneer Branch Chairman and National Executive Council (NEC) member, National Centre for Genetic Resources and Biotechnology (NACGRAB) branch
  + *2009 – 2014*

1. **Editorial volunteering for peer-reviewed journals**

* Associate Editor, *Conservation Science and Practice* [2019 – date]
* Associate Editor, *Economic Botany* [2021 – date]
* Peer-reviewed over 200 manuscript submissions for over 35 international journals, including *Biodiversity Data journal, Frontiers in Environmental Science*, *African Journal of Ecology, International Journal of Biodiversity and Conservation, European Journal of Medicinal Plants, Ethnobotany Research & Applications*, and *Tropical Conservation Science*, among others.

1. **Peer-review of conference abstracts**

* Peer-reviewed contributions for several conferences including North American Congress for Conservation Biology 2016, 2018, and 2022; African Congress for Conservation Biology 2016, International Congress for Conservation Biology 2017, 2019, and 2021; and Early Career Biogeographers Conference 2020

1. **Conference sessions convened**

* “Facilitating conservation science, policy, and practice through collaboration with faith-based communities,” North American Congress on Conservation Biology, July 23, 2018; Co-conveners: Dr. David Ostergren/Goshen College, and Prof. Jame Schaefer/Marquette University.
* “Publishing conservation research and evidence: Improving access, inclusion, and diversity,” Virtual 30th International Congress for Conservation Biology, December 15, 2021; Co-conveners: Mukhlish Jamal Musa Holle/University of Oxford, United Kingdom, Dr. Adina Merenlender/UC Berkeley, United States, Dr. Melissa Price/ University of Hawaii at Manoa, United States, Diogo Veríssimo/University of Oxford, and Natalie Yoh/Durrell Institute of Conservation & Ecology, United Kingdom.
* “Developing a research agenda for addressing key threats to biodiversity conservation in Africa,” Virtual 30th International Congress for Conservation Biology, December 10, 2021; Co-conveners: Dr. Tuyeni Mwampamba/UNAM, Mexico, and Dr. Ruth Kansky/ University of Stellenbosch, South Africa.

1. **Conference workshops organized**

* “Developing scientific writing skills”, a post-conference workshop organized during the Nigerian Tropical Biology Association (NTBA) conference, University of Ibadan; 26th September 2012.
* “Science communication” a Young Women Conservation Biology (YWCB) course organized during the 3rd African congress for Conservation Biology, El Jadida, Morocco; 6th September 2016

1. **EECB Student association, University of Nevada, Reno**

* Member, Colloquium logistics committee (2015-2017)
* Member, Colloquium nomination committee (2018)

1. **Museum of Natural History, University of Nevada, Reno**

[http://www.naturalhistory.unr.edu/]

* Student volunteer [2015 – 2019]

1. **Northern California Botanists**

[http://www.norcalbotanists.org/]

* Director-at-Large [2021 – present]

1. **International Biogeography Society**

[https://www.biogeography.org/]

* Student-at-Large [2021 – present]

**MEMBERSHIP OF PROFESSIONAL SOCIETIES**

* Society for Conservation Biology – Lifetime Member [2009 – present]
* The Linnean Society of London – Fellow [2015 – present]
* The Smithsonian Institution – National Associates member [2012 – present]
* Sigma XI Scientific Research Society – Full member [2014 – present]
* International Biogeography Society – member [2015 – present]
* IUCN Commission on Ecosystem Management – Member [2015 – present]
* IUCN-SSC Medicinal Plant Specialist Group – Member [2017 – present]
* California Native Plant Society – Member [2017-present]
* American Association for the Advancement of Science – member [2019 – present]
* California Invasive Plant Council – member [2019 – present]
* Northern California Botanists – Member [2020 – present]
* Ecological Society of America – Member [2021 – present]
* New York Academy of Sciences – Member [2021 – present]
* National Association of Science Writers – Member [2021 – present]

**ADDITIONAL SKILLS**

* Research skills: Management of botanic garden, seed banks, and herbarium, qualitative and quantitative data analysis, research designs, and plant taxonomy.
* Microsoft Office: Word, Excel and PowerPoint.
* Statistical analysis software: R, Google Earth Engine, PAST, Unix and Perl, Python, GENSTAT, QGIS, Circuitscape, and ArcGIS
* Special programs and applications: Gene Mapper, Geneious, FigTree