

# JOHN ANGUS MARTIN

Curriculum Vitae

Consultant in History, Archives, Libraries and Museums

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## EDUCATION

- Ph.D. Faculty of Archaeology, **Leiden University**, The Netherlands (2023).  
Diss.: *"We Navel-String Bury Here": Landscape Biography, Representation and Identity in the Grenada Islandscape.*
- M.A. Department of History, **Clemson University**, Clemson, South Carolina (1999).  
Thesis: *L'Isle de la Grenada: French Settlement and Development, 1649-1762.*
- M.S. Agricultural and Applied Economics, **Clemson University**, Clemson, South Carolina (1995).  
Thesis: *Consumption of Dairy Products in Sub-Saharan Africa: Implications for US Exporters.*
- B.S. Biological Sciences, Department of Biology, **State University of New York**, Stony Brook, NY (1986).

## ACADEMIC POSITIONS

- 2019-present Affiliated Fellow, CaribTRAILS – Caribbean Transdisciplinary Research - Archaeology of Indigenous Legacies Spinoza, KTVL, Leiden, The Netherlands.
- 2013-2019 Staff/PhD Student, ERC Synergy-NEXUS1492, Caribbean Research Group, Faculty of Archaeology, Leiden University, Leiden, The Netherlands.
- 2013-2016 Instructor/Part-Time Lecturer in Caribbean Studies, Department of Humanities and Social Sciences, St. George's University, School of Arts and Sciences, True Blue, St. George, Grenada.
- 1994-1995 Research Assistant, Department of Agricultural and Applied Economics, Clemson University, SC.

## PROFESSIONAL POSITIONS

- 2022-present Vice-president, UNESCO Memory of the World for Latin America and the Caribbean.
- 2022-2023 Executive Director, Grenada National Museum, Young Street, St. George's, Grenada.
- 2021-present Member, National Reparations Committee appointed by the Cabinet of the Government of Grenada.
- 2019-2022 Director, Saba Archaeological and Historical Center, Windwardside, Saba, Dutch Caribbean.
- 2012-2015 Director/Curator, Grenada National Museum, Young Street, St. George's, Grenada.
- 2001-2010 Country Desk Assistant and Country Desk Officer, US Peace Corps, Washington, DC.
- 1998-2001 Reference Archivist, Cushing Memorial Library, Texas A&M University, College Station, TX.
- 1996-1997 Administrative Specialist, Acquisitions/Receiving, R.M. Cooper Library, Clemson University, SC.
- 1990-1991 Administrative Specialist, Volunteer Services, US Peace Corps, Washington, DC.
- 1986-1989 Peace Corps Volunteer, Agriculture Program, US Peace Corps, Sierra Leone, West Africa.

## CONSULTING POSITIONS

- 2023-present Expert, Fort George Restoration Project, Kee-Chanona/Sonrise Construction, St. George's, Grenada.
- 2022-23 GNT-ICH Research & Fieldwork Coordinator, Grenada National Trust-Intangible Cultural Heritage Project, 2022-2023. Funded by UNESCO.
- 2021 "Report on the Impact of Slavery on Saba: Discussions with Stakeholders" for the Second Chamber of the Government of the Kingdom of the Netherlands, Den Haag, The Netherlands.
- 2021 "Connections Between Peter Thellusson of Brodsworth and the Slave Trade and Slavery in the Caribbean, Particularly the Island of Grenada," Brodsworth Hall and Gardens, English Heritage, UK.
- 2019 "Village Signage Project: Pilot Phase," Grenada Tourism Authority, Government of Grenada.
- 2018 Cultural Heritage Expert, "Assessing the Sustainable Heritage Tourism Market" Workshop in Georgetown, Guyana, for the Organization of American States' "Enhancing the Framework for Development of a Heritage Tourism Economy in the Caribbean" project.
- 2017 Natural and Cultural Heritage at Grand Etang, Ridge to Reef Project, Ministry of Agriculture & Forestry, Government of Grenada, St. George's, Grenada.
- 2014-2015 Heritage Consultant to the Grenada National Trust, for the OAS' "Enhancing the Framework for Development of a Heritage Tourism Economy in the Caribbean" project.
- 2014 "A Qualitative Desk Review on the Education Context in Grenada," Room to Read, San Francisco, CA.

## PUBLICATIONS

- 2022 Martin, JA. *A To Z of Grenada Heritage*. New & Revised Edition. Brooklyn, NY: Gully Press.
- 2022 Hofman, CL, JA Martin, A Boomert, S Manem, K Jacobson and MLP Hoogland. "Reimagining Creolization: The Deep History of Cultural Interactions in the Windward Islands, Lesser Antilles Through the Lens of Material Culture," in *Latin American Antiquity* at <https://www.doi.org/10.1017/laq.2021.102>.
- 2021 Johnson, P and JA Martin. *Saba: From Sea to Scenery*. A Sea to Scenery Book, Saba, Dutch Caribbean.
- 2021 Martin, JA. "['Slave Pens' in Grenada?: Finding Ancestry in the Historical Landscape.](#)" Heritage Research Group Caribbean Blog Post. 22 November 2021.
- 2020 Martin, JA. "['Marking an 'X': Exploring the History of Grenada's Surnames.](#)" Heritage Research Group Caribbean Blog Post. 26 August 2020.
- 2020 Martin, JA and A Thompson. *Grenada Heritage: A Journey Through Place and Time*. St. George's, Grenada: Grenada National Trust.
- 2019 Hofman, CL, MLP Hoogland, A Boomert, and JA Martin. "[Colonial Encounters in the Southern Lesser Antilles: Indigenous Resistance, Material Transformations, and Diversity in an Ever-Globalizing World.](#)" in *Material Encounters & Indigenous Transformations in the Early Colonial Americas: Archaeological Case Studies*, ed by CL Hofman and FWM Keehnen. Leiden: Brill.
- 2017 Martin, JA. "Grand Etang Forest Reserve Natural and Heritage Consultancy Final Report." Prepared for GEF/UNDP Ridge to Reef Project & Forestry Department, Ministry of Agriculture, Grenada.
- 2017 Phillip-Dowe, N & JA Martin, eds. *Perspectives on the Grenada Revolution, 1979-1983*. Cambridge: Cambridge Scholar Press.
- 2017 Martin, JA. "[Citizens and Comrades in Arms: The Congruence of Fédon's Rebellion and the Grenada Revolution.](#)" in *Perspectives on the Grenada Revolution, 1979-1983*, ed. by N Phillip-Dowe & JA Martin. Cambridge: Cambridge Scholar Press.
- 2016 Martin, JA, J Opala and C Schmidt. *The Temne Nation of Carriacou: Sierra Leone's Lost Family in the Caribbean*. Chattanooga, Tenn: Polyphemus Press.
- 2016 Wilder, AE. *The Grenada Chronicles*, 34 volumes. JA Martin, Series Editor. St. George's, Grenada: The Grenada National Museum Press.
- 2013 Martin, JA. *Island Caribs and French Settlers in Grenada, 1498-1763*. St. George's, Grenada: The Grenada National Museum Press.
- 2008 Martin, JA. "Grenada and the Transatlantic Slave Trade." *Everybody's* (Magazine), 32, 2:54-55.
- 2007 Martin, JA. *A To Z of Grenada Heritage*. Oxford: Macmillan Caribbean.
- 2001 Martin, JA. *In Fulfillment of a Dream: African Americans at Texas A&M University—An Exhibit Catalog Presenting the History of African American Contributions, Participation and Achievements at Texas A&M University, 1876-2000*. College Station, Texas: Cushing Memorial Library, Texas A&M University.
- 1995 Nations, JD, R Cesca, JA Martin and TE Lacher, Jr. "Ethical Obligations of Multinational Corporations to the Global Environment: The McDonald's Corporation and Conservation," in J. Lemons and L. Westra, eds. *Perspectives on Ecological Integrity*, Kluwer Academic Publishers, Dordrecht, Netherlands.

## CONFERENCES/WORKSHOPS

- 2023 "'The Mt Moritz Bajans': Grenada's Lost White Tribe," Inter-Island Connections in the Lesser Antilles: Families, Friends and Institutions Across the Sea Conference, St. Thomas, USVI, 23-25 February 2023.
- 2022 1<sup>st</sup> and 2<sup>nd</sup> UNESCO-ICH Capacity Building Workshops in Intangible Cultural Heritage, March and June, 2022.
- 2020 "The La Grenades of Grenada: Exhibiting Genealogy as History," Museum Association of the Caribbean Annual Conference, Virtual, 5-7 August 2020.
- 2019 "Exhibiting Slavery in Caribbean Museums: An Approach to Memory and Education," Museum Association of the Caribbean Annual Conference in Fort-de-France, Martinique, 12-16 November 2019.
- 2019 "Challenging the Discourse: How Community Archaeology Changed the Discussion on Indigenous and Colonial Heritage in Grenada," International Association of Caribbean Archaeology Conference in Bridgetown, Barbados, 21-28 July 2019.
- 2018 "A 'New' Museum for the Caribbean in 100 or Less Objects/Documents, with an Example from Grenada," Museum Association of the Caribbean Annual Conference in Bridgetown, Barbados, 6-11 November 2018.
- 2018 "The Importance of Preserving Creole Languages in the English-Speaking Caribbean, with an Example from Grenada," UNESCO Conference "The Role of Linguistic Diversity in Building a Global Community with Shared Future" in Changsha, China, 12-14 September 2018.
- 2018 With Corinne L. Hofman and Menno Hoogland. "Reimagining Creole: The Deep History of Mixed Identities in the Windward Islands, Lesser Antilles" at the Society for American Archaeology, Washington, DC, 11-15 April 2018.

- 2017 “China in the Caribbean: Its Growing Influence as Illustrated by the Case Study of Grenada” for the Visiting Program for Young Sinologists, Shanghai, China, 4-25 September 2017.
- 2016 “The Grenada National Museum: Taking it to the Next Level” at the 38<sup>th</sup> Annual Association of African American Museums Conference, Riverside, California, 3-6 August 2016.
- 2016 “Citizens & Comrades in Arms: The Historical Congruence of Fédon’s Rebellion and the Grenada Revolution,” Perspectives on the Grenada Revolution Conference, UWI Open Campus, St. George’s, Grenada, 6-9 Mar 2016.
- 2015 With Csilla Arieese-Vandemeulebroucke and Eldris Con Aguilar. “Transforming Global Theory to Local Practice: Case Studies from Museums and Education in the Caribbean,” ICOM-ICTOP Conference, Bridgetown, Barbados, 14-16 October 2015.
- 2015 “Enhancing the Sustainability of Heritage Institutions in the Caribbean: Case Study from the Grenada National Museum” at the Museum Association of the Caribbean Annual Conference, Castries, St. Lucia, 19-21 Oct 2015.
- 2015 “‘Slave Pens’ in Grenada: Locating Ancestry in the Historical Landscape” at the “Connecting Continents: Archaeological Perspectives on Slavery, Colonialism, and Trade” Conference by the Society for American Archaeology and European Association of Archaeologist, Curaçao, Dutch Caribbean, 5-7 November 2015.
- 2014 “Exhibiting the Grenada Revolution: Taking Controversy to a Neutral Corner” at the “Taking it to The Streets” Symposium, Commonwealth Association of Museums, Glasgow, Scotland, 4-7 May 2014.
- 2013 “The Urgent Need for a Grenada National Archives” at the Caribbean Studies Association Conference, Grand Anse, St. George, Grenada, 3-7 June 2013.

## MAJOR EXHIBITIONS CURATED

- 2015 “A Snapshot of Our Past: Historical Photographs of Grenada and Carriacou” – An island-wide traveling exhibition of historic photographs of Grenada and Carriacou between the late 1800s and the 1960s as part of the first celebration of Heritage Month, March 2015.
- 2015 “European Invasion Room” – An exhibit portraying the advent of Europeans in Grenada and their impact on the island and its people. Grenada National Museum, St. George’s, Grenada.
- 2014 “Amerindian Heritage Room” – An exhibit portraying the history and culture of Amerindians in Grenada. Grenada National Museum, St. George’s, Grenada.
- 2001 “In Fulfillment of a Dream: African Americans at Texas A&M University” – An exhibit portraying the history of African Americans at a historically white university. Cushing Memorial Library, Texas A&M University.

## ACTIVITIES

- 2015-2016 Member, Heritage Committee, Grenada Tourism Authority, 2014-2016, and Member, Heritage Committee, Grenada Cultural Foundation.
- 2012-present Executive Member, Grenada National Trust, St. George’s, Grenada.
- 1992-1994 Member of the African and Caribbean Club, Clemson University, 1992-94; Treasurer of the Graduate Students Organization, Applied Economics Dept., Clemson University, 1993-94.
- 1986 President of the Caribbean Students Organization, SUNY at Stony Brook, Long Island, NY.
- 1983-1985 Cultural Officer of the Caribbean Students Organization, SUNY at Stony Brook, Long Island, NY.

## REFERENCES

### Corinne Hofman, PhD

Professor of Caribbean Archaeology, Faculty of Archaeology, Leiden University  
 Principal Investigator CaribTRAILS, Caribbean Transdisciplinary Research Archaeology of Indigenous Legacies Spinoza KITLV, Reuvensplaats 2 | Postbus 9515 | 2300 RA Leiden | The Netherlands  
 Tel: +31715272914 | [c.l.hofman@arch.leidenuniv.nl](mailto:c.l.hofman@arch.leidenuniv.nl) | [www.kitlv.nl](http://www.kitlv.nl)

### Oliver Benoit, PhD, MFA

Professor, Department of Humanities and Social Sciences  
 School of Arts and Sciences, St. George’s University, True Blue, St. George, Grenada  
 Tel: +16179490635 & +1473 4150920 | [obenoit@sgu.edu](mailto:obenoit@sgu.edu)

# JODY DANIEL

267-720-5942 | [jodyndaniel@gmail.com](mailto:jodyndaniel@gmail.com) | [researchgate.net/Jody-Daniel](https://researchgate.net/Jody-Daniel) | [github.com/jodyndaniel](https://github.com/jodyndaniel)

Technical Advisor, National Adaptation Plan (NAP) Global Network

President, Gaea Conservation Network

Data Scientist, Partner Reinsurance Company

## HIGHLIGHTS

- **Heritage Management and Knowledge Systems Integration:** Demonstrated ability to bridge different knowledge systems through pioneering conservation initiatives. Experience spans developing frameworks using fuzzy cognitive modeling to integrate Indigenous knowledge with Western scientific approaches for Arctic seabird conservation, leading mangrove conservation projects incorporating archaeological perspectives in the Caribbean and implementing community-based conservation strategies that respect traditional ecological knowledge.
- **International Conservation Leadership and Policy Development:** Currently guiding climate adaptation strategies in multiple Caribbean nations as Technical Advisor for the National Adaptation Plan Global Network. Led development of Grenada's National Ecosystem Assessment as a Coordinating Lead Author, successfully coordinating diverse expert teams and synthesizing complex environmental and cultural information for policy planning.
- **Conservation Science, Data Analytics and Planning:** Proven track record in designing and executing comprehensive conservation programs that combine ecological restoration with archaeological assessments. Strong background in data science and environmental modeling, with expertise in geospatial analysis (QGIS, ArcGIS) and programming (R, Python, SQL) for predictive modeling. Successfully secured funding from Environment & Climate Change Canada, GEF-SGP, and Mohamed bin Zayed Species Conservation Fund.
- **Community Engagement and Capacity Development:** Founded and lead Gaea Conservation Network, establishing effective partnerships between academic institutions, government agencies, and local communities. Leader in technical capacity development, designing R programming workshops for conservation professionals across the Caribbean region. Strong history of facilitating dialogue between knowledge systems and translating complex scientific findings for diverse audiences.
- **Caribbean SIDS Expertise and Multi-sector Management:** Over ten years of specialized experience in ecosystem conservation within SIDS, focusing on the Caribbean region. Led diverse teams through roles in academia (University of Waterloo, St. George's University), international organizations (NAP Global Network, BirdsCaribbean), industry (Partner Reinsurance Company), and non-profit sectors. Deep understanding of environmental and cultural heritage challenges, demonstrated through successful implementation of internationally funded projects spanning mangroves, wetlands, and marine environments.
- **Climate Change Adaptation and Ecosystem Management:** Extensive experience in vulnerability assessments and adaptation planning across diverse ecosystems. Led projects on restoring climate refuges for migratory birds and developing national adaptation strategies. Deep understanding of climate impacts on natural and cultural heritage sites, with proven ability to develop practical conservation solutions that enhance ecosystem resilience.
- **Scientific Research and Knowledge Translation:** Published extensively in peer-reviewed journals spanning wetland conservation, environmental modeling, and community-based conservation approaches. Strong track record of translating complex scientific findings into actionable policy recommendations and technical guidance. Experience leading international research collaborations and developing frameworks for integrating diverse knowledge systems.

## EDUCATION

- Ph.D. Department of Biology, **University of Waterloo**, (2020)  
Dissertation: *The Role of Wetland Pond Permanence in the Assembly of Biological Communities in the Prairie Potholes of Alberta*  
(Advisor: Rebecca C. Rooney)
- MNRM Natural Resources Institute, **University of Manitoba**, (2016)  
Thesis: *Landscape-scale effects of oil and gas development on grassland passerines in Southern Alberta*  
(Advisor: Nicola Koper)
- BSc Biology, Ecology and Conservation, **St. George's University**, magna cum laude, (2012)

## ACADEMIC APPOINTMENTS

- 2022 **Part-time Instructor**, Biology, Ecology and Conservation, St. George's University
- 2020 **Postdoctoral Fellow**, Department of Biology, University of Waterloo
- 2020 **Visiting Lecturer**, Biology, Ecology and Conservation, St. George's University
- 2015-2016 **Instructor**, Biology, Ecology and Conservation, St. George's University

## PROFESSIONAL APPOINTMENTS

- 2020-4-present **Technical Advisor**, National Adaption Plan (NAP) Global Network, International Institute for and Sustainable Development
- 2020-present **Data Scientist**, Partner Reinsurance Company
- 2020-2023 **Contributing Lead Author**, Grenada National Ecosystem Assessment, Caribbean Natural Resources Institute
- 2020 **Data Science Fellow**, Insight Data Science
- 2013-2014 **Project Coordinator**, Grenada Fund for Conservation
- 2013-2014 **Project Coordinator**, BirdsCaribbean

## ENVIRONMENTAL CONSULTING

- 2023 **Technical Advisor on Mangrove Restoration**, Enhanced Direct Access Project, Ministry of Finance, Carenage, St. George's, Grenada.
- 2020 **Cartographer for Marine Managed Area**, Caribbean Education & Environmental Trust of Antigua, St. John's, Antigua
- 2018-2019; 2013 **Ecological Assessment Team Lead**, Roberts Caribbean Limited, Bruce Street Commercial Complex, St. George's, Grenada
- 2018 **Ecological Assessment Team Lead & Cartographer**, Grenada Coral Reef Foundation, St. George's, Grenada
- 2018 **Technical Advisor on Riparian Buffer Assessment**, Grenada Community Development Agency, Gouyave, St. John's, Grenada
- 2016-2018 **Principle Investigator on Sustainable Forest Management Study and Watershed Plan**, Ridge to Reef Project | Old Fort Road, St. George's, Grenada
- 2015 **Technical Advisor on Willingness to Pay Study**, The Nature Conservancy | Old Fort Road, St. George's, Grenada

## RESEARCH PROJECTS

- 2023-present **Principle Investigator.** Developing a standardized approach for mangrove conservation and restoration in Grenada, Carriacou, and Petite Martinique. Gaea Conservation Network and Grenada Fund for Conservation. Project combines ecological restoration with archaeological assessments at historically significant coastal sites, includes community engagement and capacity-building strategies, and establishes a Mangrove Innovation Hub to facilitate knowledge exchange.
- 2023-present **Principle Investigator.** Project combines scientific monitoring with local ecological knowledge to develop effective conservation approaches, including documenting traditional understanding of dove behavior and habitat use, while building community capacity for long-term species protection. Gaea Conservation Network, BirdsCaribbean and St. George's University.
- 2020-2022 **Principle Investigator.** Restoring climate refuges for migratory birds and building community engagement with nature. Gaea Conservation Network.
- 2011-2012 **Research Assistant.** Microbial colonization on plastics, St. George's University & Sea Education Association.

## RESEARCH GRANTS, AWARDS & FELLOWSHIPS

- 2025-2026 **GEF-SGP.** Developing a standardized approach for mangrove conservation and restoration in Grenada, Carriacou, and Petite Martinique. Gaea Conservation Network and Grenada Fund for Conservation (\$50,000).
- 2024-2025 **Mohamed bin Zayed Species Conservation Fund.** Protecting the Critically Endangered Grenada Dove from Invasive Predators (\$15,000)
- 2019-2022 **Environment & Climate Change Canada.** Restoring climate refuges for migratory birds and building community engagement with nature (Gaea Conservation Network) (\$90,000).
- 2018-2019 **Environment & Climate Change Canada.** Building community engagement with nature in a climate change refuge (Gaea Conservation Network) (\$20,000).
- 2016-2020 **University of Waterloo.** Ontario Trillium Scholarship (\$120,000).  
**University of Waterloo.** Best PhD Talk, Biology Graduate Student Symposium.
- 2014-2015 **National Science and Engineering Council.** Industrial Postgraduate Scholarship (41,000)
- 2015 **University of Manitoba.** International Graduate Student Scholarship (\$8,000)
- 2014 **University of Manitoba.** International Graduate Student Entrance Scholarship (\$8,000)
- 2012 **Sea Education Association.** Marine Ecology & Conservation Scholarship (21,000 USD)

## REFEREED PUBLICATIONS

### I. Journal Articles

- 2024 **Daniel, J., & Rooney, R. C.** Consistent but delayed timing of precipitation affects community composition of prairie pothole birds and aquatic macroinvertebrates, but not wetland plants. *Wetlands* 44, 17.
- 2023 Rooney, R., **Daniel, J.**, Mallory, M., Hedd, A., Ives, J., Gilchrist, G., Gjerdrum, C., Robertson, G., Ronconi, R., Wilcox, Kirsten., Wong, S., Provencher, J. Fuzzy cognitive mapping as a tool to assess the relative cumulative effects of environmental stressors on an Arctic seabird population to identify conservation action and research priorities. *Ecological Solutions and Evidence*, 4(2), e12241.

- 2022 Campbell, E. A., **Daniel, J.**, Easter-Pilcher, A., & Koper, N. Status and distribution of the Antillean Broad-winged Hawk (*Buteo platypterus antillarum*) on the island of Grenada. Journal of Caribbean Ornithology, 35, 108-119.
- 2022 **Daniel, J.**, & Rooney, R. C. Functional dispersion of wetland birds, invertebrates, and plants more strongly influenced by hydroperiod than each other. Ecosphere, 13(3), e3971.
- 2022 **Daniel, J.**, Rooney, R., & Robinson, D. Climate and topography: the two essential ingredients in predicting wetland permanence. Biogeosciences Discussions, 1-33.
- 2022 McHarg, E., Mengo, E., Benson, L., **Daniel, J.**, Joseph-Witzig, A., Posen, P., & Luisetti, T. Valuing the contribution of blue carbon to small island developing states' climate change commitments and Covid-19 recovery. Environmental Science & Policy, 132, 13-23.
- 2021 **Daniel, J.**, & Rooney, R. C. Wetland hydroperiod predicts community structure, but not the magnitude of cross-community congruence. Scientific reports, 11(1), 1-10.
- 2021 **Daniel, J.**, Polan, H., & Rooney, R. C. Determinants of wetland-bird community composition in agricultural marshes of the Northern Prairie and Parkland Region. Wetlands, 41(1), 1-12.
- 2019 **Daniel J.**, Koper N. Cumulative impacts of roads and energy infrastructure on grassland songbirds. Condor: 1–21. doi:10.1093/condor/duz011
- 2019 **Daniel J.**, Gleason JE, Cottenie K, Rooney RC, Cottenie K. Stochastic and deterministic processes drive wetland community assembly across a gradient of environmental filtering. Oikos. OIK-05987: 1–12. doi:10.1111/oik.05987

## II. Under Review

- Under review Buckmire, Z., **Daniel, J.**, and Koper, N. Plasticity as a contributor to community zonation: a case study using white mangroves (*Laguncularia racemosa*) in Grenada, W.I. Bulletin of Marine Science.

## III. In Progress

- In prep Buckmire, Z., Robichaud, C., Remmer, C., Smart, W., St. Clair, B., Cornwall, M., Rosa, P., Gibbs, N., Nimrod, S., and **Daniel, J.** Species sorting in coastal wetlands – a holistic look at the biodiversity within Grenada's mangroves. Journal of Caribbean Ornithology.
- In prep Messier, J and **Daniel, J.** Plant traits are moderate predictors of the growth rate of individual saplings, but phenotypic complexity and individual variation must be taken into account. Functional Ecology.

## IV. Book Chapters

- 2023 **Daniel, J.**, Gobin, J., Walcott, J., Thanoo, A., Palmer, D., Buckmire, Z., Augustine, Q., Smart, W., Ince, D., Hanna, J., Coffey, J., Charles, K., Carter, K., Beckles, D., Deacon, A., Kanhai, L. D., Amon, D., & Jute, A. Status, trends, threats of Grenada's coastal, deep ocean, forest, freshwater, offshore, and agricultural ecosystems. In *Grenada National Ecosystem Assessment* (Agard, St. Louis, Boodram, eds). St. Georges, Grenada: Government of Grenada; Barataria, Trinidad and Tobago: Caribbean Natural Resources Institute (CANARI).

## OTHER PUBLICATIONS, REPORTS & COLLOQUIA

### I. Non-Refereed Publications & Field Reports

- 2022 Buckmire, Zoya., Constant, N., Hanna, J.A., Nurse, J., Joseph-Witzig, A., **Daniel, J.** 2022. Mangroves for Money: ecological and social impacts of recent development projects in the mangrove forests of Grenada, West Indies. Commonwealth Human Ecology Council, 33:26-55.
- 2022 Buckmire, Z., James, K., Smart, W., **Daniel, J.** An update on Grenada's mangrove restoration protocol: building on the efforts of Grenada Fund for Conservation. Gaea Conservation Network and Grenada Fund for Conservation Network, St. George's, Grenada. doi: [10.13140/RG.2.2.14013.03040](https://doi.org/10.13140/RG.2.2.14013.03040)
- 2018 Radix, L., Graham, E. R. and **Daniel, J.** Riparian Buffer Zone Assessment in Beauséjour, Gouyave, and Douglaston Watersheds, Grenada. Grenada Community Development Agency (GRENCODA) Project: Community-based Coastal Ecosystem Management for Climate Adaptation in Selected Areas of Grenada, Gouyave, St. John's, Grenada. 41pp.
- 2015 Campbell, E., and **Daniel, J.** Grenada willingness-to-pay study for diving and snorkeling. Fisheries Division, Ministry of Agriculture, Lands, Forestry, Fisheries & Environment, St. George's, Grenada.

### II. Conferences Organized

- 2013 Co-Chair, Local Organizing Committee, 19<sup>th</sup> International Meeting of BirdsCaribbean. St. George's University, True Blue, St. George's, Grenada. 27<sup>th</sup> – 31<sup>st</sup> July 2023.

### III. Conferences (Presentations)

- 2023 **Daniel, J.** Fanning the Flames of Conservation in Grenada. Fellows in Caribbean Academic Leadership At: St. George's, Grenada, November 17<sup>th</sup>, 2023.
- 2023 **Daniel, J.,** Gobin, J., Walcott, J., Thanoo, A., Palmer, D., Buckmire, Z., Augustine, Q., Smart, W., Ince, D., Hanna, J., Coffey, J., Charles, K., Carter, K., Beckles, D., Deacon, A., Kanhai, L. D., Amon, D., & Jute, A. A brief overview of the status, trends, threats of Grenada's coastal, deep ocean, forest, freshwater, offshore, and agricultural ecosystems. Conference on Ecosystem Assessments for Eastern Caribbean States At: St. George's, Grenada, October 27<sup>th</sup>, 2023.
- 2022 **Daniel J,** Buckmire Z, Constant N, Hanna J, Joseph-Witzig A, Nurse J, Charles K, Douglas V, Robichaud C, Gibbs N, Smart W. When conservation interests and coastal development collide – a new cautionary tale from Grenada. *American Ornithological Society and BirdsCaribbean Joint Meeting*, San Juan, Puerto Rico, July 22<sup>nd</sup>, 2022.
- 2022 Buckmire Z, **Daniel J,** Robichaud C, Casey Remmer, Smart W, St. Clair B, Cornwall M, Rosa P, Gibbs N, Nimrod S. Species sorting in coastal wetlands – a holistic look at the biodiversity within Grenada's mangroves. *Society of Canadian Ornithologists*. September 18<sup>th</sup>, 2022.



- 2022 Messier, J and Daniel, J. Are traits good predictors of individual plant performance? Canadian Society of Ecology and Evolution and Ecological Society of America Joint Conference. Montreal, Quebec, Canada. August 16<sup>th</sup>, 2022.
- 2019 Benjamin S, Cyrus S, Augustine Q, Campbell E, **Daniel J**, Islam D. Community training in bird monitoring is an effective tool in increasing public engagement in conservation. *BirdsCaribbean 22<sup>nd</sup> International Meeting*, Topes de Collantes, Guadeloupe. July 22, 2019.
- 2019 **Daniel J**, Rooney RC. The influence of precipitation timing on biological communities – implications for the effects of climate change. *Biology Graduate Student Research Symposium*, University of Waterloo, Waterloo, Ontario, Canada. April 22<sup>nd</sup>, 2019.
- 2018 **Daniel J**, Rooney RC. Deciphering how wetland hydroperiod can dictate congruence among bird, plant & aquatic macroinvertebrate communities. *Canadian Society for Ecology and Evolution*, University of Guelph, Guelph Ontario, Canada. July 19<sup>th</sup>, 2018.
- 2018 Gleason J, **Daniel J**, Cottine K, Rooney RC. Wetland hydroperiod across a gradient of environmental filtering. *Canadian Society for Ecology and Evolution*, University of Guelph, Guelph Ontario, Canada. July 20<sup>th</sup>, 2018.
- 2017 Koper N, Warrington M, Bernath-Plaisted J, Nenninger H, Ng C, Antze B, **Daniel J**. 2017. Effects of oil and gas infrastructure on grassland songbird abundance, productivity, and behavior: impacts of noise, linear development, and infrastructure. *American Ornithologists Society – Society of Canadian Ornithologists Annual Meeting*, Michigan State University, Lansing, Michigan, USA. August 4, 2017. (Symposium keynote).
- 2017 Ince D, **Daniel J**, Shortte K, Campbell E. Engaging Junior Rangers in Avian Conservation Through a Bird-Monitoring Program. *BirdsCaribbean 21<sup>st</sup> International Meeting*, Topes de Collantes, Cuba. July 16, 2017.
- 2013 **Daniel J**, and Dyreson E. Population Dynamics of the Grenada Hook-billed Kite (*Chondrohierax uncinatus mirus*): Identifying Long Term Persistence of the Population. *BirdsCaribbean 19<sup>th</sup> Regional Meeting*. St. George's Grenada, July 2013.
- 2013 **Daniel J**, and Pivor J. Population Genetics and Dynamics of Caribbean Spiny Lobster (*Panulirus argus*) Phyllosoma in the Sargasso Sea. *St. George's University Research Symposium*. St. George's Grenada, February 2013.
- 2013 **Daniel J**, Joseph-Witzig A, Campbell, Graham, Smart W, Walcott T, Romain L, McDonald K, Eleazer S, Guy D, Easter-Pilcher A. Nest Tree Site Selection by the Grenada Hook-billed Kite (*Chondrohierax uncinatus mirus*). *St. George's University Research Symposium*. St. George's, Grenada, February 2013.

#### IV. Conferences (Posters)

- 2023 Buckmire, Zoya., Constant, N., Hanna, J.A., Nurse, J., Joseph-Witzig, A., **Daniel, J**. Mangroves for Money: ecological and social impacts of recent development. Conference: 6th Mangrove Macrobenthos and Management Conference (MMM6) At: Cartagena, Colombia, July 2023.
- 2017 Rahman A M, **Daniel J**, Haque R, Hossen YA, Khan I, Aslam U, Ali DS, Khan S, Asif B, Shah. The Likelihood of Pedestrian Struck and Cyclist Accidents Increase Near Major Transportation Hubs in New York City. *Society for Academic Emergency Medicine Annual Conference*, May 19, 2017.
- 2015 **Daniel J**, Koper N. Landscape-scale effects of oil and gas development on songbirds in southeastern Alberta. *BirdsCaribbean 20<sup>th</sup> Regional Meeting*. Kingston, Jamaica, July 2015.

- 2013 Pivor J, **Daniel J**, Siuda A, Bucklin, Blanco-Bercial L, Amaral-Zettler L, Zettler E. Sweepstakes Reproductive Success of the Caribbean Spiny Lobster (*Panulirus argus*) in the Sargasso Sea. *Association for the Sciences of Limnology and Oceanography*. New Orleans, Louisiana, February 2013.

## V. Colloquia

- 2024 **Daniel, J.** Biodiversity Matters, Global Youth Biodiversity Network Caribbean (*Invited*). May 22, 2024.
- 2023 **Daniel J**, Buckmire Z, Constant N, Hanna J, Joseph-Witzig A, Nurse J, Charles K, Douglas V, Robichaud C, Gibbs N, Smart W. Grenada's Cautionary Tale: Conservation and Coastal Development. Environmental Fridays - Season III, Episode 5. October 14, 2022.
- 2023 **Daniel J**, Rooney R. Precipitation timing influences the composition of wetland biological communities. *Pop-up Global Symposium about Life Ecology*. September 8<sup>th</sup>, 2020.
- 2022 **Daniel J**, Koper N. Grassland passerines are sensitive to the cumulative effects of oil and gas development in southern Alberta. *Native Prairie Speaker Series, Saskatchewan Prairie Conservation Action Plan*. May 19<sup>th</sup>, 2020.
- 2017 Koper N, Rosa P, Curry C, Bernath-Plaisted J, Nenninger H, Warrington M, **Daniel, J**. 2017. Effects of oil and gas infrastructure and anthropogenic noise on grassland songbirds. *National Wildlife Research Centre Seminar Series*, Carleton University, Ottawa, ON, May 1, 2017.
- 2017 Koper N, Rosa P, Curry C, Bernath-Plaisted J, Nenninger H, **Daniel J**. 2017. Effects of noisy petroleum infrastructure on grassland songbirds in Alberta, Canada. *Entomology Department Seminar Series*, University of Manitoba, March 28, 2017.
- 2015 Koper N, Rosa P, Curry C, Bernath-Plaisted J, Nenninger H, **Daniel, J**. 2017. Effects of noisy petroleum infrastructure on grassland songbirds in Alberta, Canada. *St. George's University*, Grenada. February 17, 2017.
- 2016 Koper N, Curry C, Antze B, **Daniel J**, Nenninger H, Bernath-Plaisted J, Rosa P, Warrington M. 2016. Effects of oil and gas Infrastructure on grassland songbirds. *Cenovus Energy*, The Bow, Calgary, Alberta. June 2, 2016.
- 2016 Koper N, Curry C, Antze B, **Daniel J**, Nenninger H, Bernath-Plaisted J, Rosa P, Warrington M. 2016. Effects of energy infrastructure on grassland songbirds. *Cenovus Lunch and Learn seminar series*, Cenovus Energy, Calgary, Alberta, Canada. March 7, 2016. (invited)

## VI. Popular Media

- 2023 Climate Change in Grenada. Grenada Pavilion 2023 at the Biennale di Venezia of Architecture.
- 2021 Gaea Conservation Network. Mangrove Restoration: Looking Back to Journey Forward.
- 2021 Campbell, C. Increased predators in wetlands threaten migratory. NOWGrenada
- 2021 Campbell, C. Mangrove deforestation undermines future fisheries stock NOWGrenada
- 2020 Campbell, C. GAEA eager to ensure environmental sustainability. NOWGrenada.
- 2020 BirdsCaribbean. BirdsCaribbean expresses deep concern over three damaging developments in Grenada

## TEACHING EXPERIENCE

- 2017-2019      **Graduate Teaching** Assistant, Department of Biology, University of Waterloo  
Courses: BIOL 457 (*Analysis of Communities*), BIOL 361 (*Biostatistics and Experimental Design*), BIOL 325 (*Flowering Plants*), BIOL 211 (*Introductory Vertebrate Zoology*), BIOL 354 (*Environmental Toxicology*)
- 2011-2013      **Undergraduate Teaching** Assistant, Biology, Ecology and Conservation |  
Department of Educational Services. St. George's University  
Courses: *Foundation Mathematics, Math for Critical Thinking, Statistics, Calculus, General Chemistry, General Physics*

## MEMBERSHIPS & SERVICE

- 2024-present      **Workshop Leader**, BirdsCaribbean. Leading R Workshops for the "Building Capacity for Landbird Monitoring and Conservation in the Caribbean" project.
- 2021-present      **Chairperson**, External Advisory Board, Biology, Ecology and Conservation, St. George's University.
- 2021-present      **Director** (2021-2022). Member (2021-present). Grenada Land Actors.
- 2018-2020      President (2019-2020), Vice President (2018-2019), Women in Science Society (University of Waterloo)
- 2024-present      **President**, Gaea Conservation Network.
- 2016-2024      **Executive Director**, Gaea Conservation Network.
- 2015-2016      **Secretary**, Board of Directors, Ocean Spirits
- 2014-2015      **Volunteer**, Canadian Parks and Wilderness Society
- 2014-2015      **Council Member**, Graduate Students Association, University of Manitoba
- 2013-present      **Member**, BirdsCaribbean
- 2013      **Director**, Grenada Fund for Conservation

## TECHNICAL SKILLS

- Programming Languages**      Python, R, SQL, SAS
- Tools**      Jupyter, Git, RMarkdown, Flask, QGIS, ArcGIS
- Techniques**      univariate/multivariate statistics, geospatial statistics/analysis, machine learning, optimization, survival modelling.

## CERTIFICATIONS

- 2018      **Fundamentals in University Teaching**, University of Waterloo
- 2016      **Advanced Open Water Diver**, PADI: Professional Association of Diving Instructors
- 2013      **Certified Interpretive Guide**, National Association for Interpretation

## REFERENCES

**Andrea Easter-Pilcher, Ph.D.**

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