RYAN SIMON MOHAMMED (PhD, MPhil, BSc, PMA, FLS)

SECTION 1: ACADEMIC

ACADEMIC QUALIFICATIONS AND OTHER TRAINING

PhD Environmental Biology	2019	**The University of the West Indies (UWI**), Faculty of Science and Technology (FST), Department of Life Sciences (DLS)- Thesis Title – '*Gyrodactylus* sp. Dynamics In Response To Changes In Temperature'. Laboratory and experimental work- **Cardiff University** Data Analysis- **University of East Anglia** Field Work- Trinidad and Tobago.
Project Management Associate	2017	Inter-American Institute for Economic and Social Development
MPhil Microbiology	2010	**UWI**, FST, DLS- Thesis Title – 'Investigation Of Water Quality Factors Affecting The Prevalence Of Selected Parasites And Bacterial Pathogens On Three Species Of Freshwater Catfish Exported From Trinidad.'
BSc Zoology and Botany	2003	**UWI**, Faculty of Science and Agriculture, DLS- Research Project Title – 'Title- 'A Comparison Between Clear And Green Water Systems For Silver Tilapia Fingerling Production During The Sex Reversal Process.'

International Short Courses

Forum on Intellectual Property (IP), Innovation and Sustainable Development for Small Island Developing States (SIDS): A Look at Innovation and Leveraging IP in the Blue Economy	2022	World Intellectual Property Organization (WIPO) in collaboration with The University of the West Indies (UWI) the Japan Patent Office (JPO) the Caribbean Climate Smart Accelerator (CCSA) the CARIFORUM Intellectual Property Rights and Innovation (CARIPI) and the Compete Caribbean Partnership Facility (CCPF). **Barbados**
Museology and Museum Management Certificate	2019	National Museum Institute, Janpath, New Delhi, **India**. Indian Technical and Economic Cooperation. (1 month)
Caribbean Regional Training Workshop on Environment, Community, Health and Safety in the Neglected Development Mineral Sector	2016	African,Caribbean and Pacific Group of States (ACP), EU, UNDP, CARICOM- Georgetown, **Guyana**. (1 week)

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Certificate in Aquaculture for Developing Countries	2014	Academic Exchange Centre in Gui Linyang College Districts, Haikou, Hainan Province, **China**. (1 month)

Additional Online Training

2026	Prevention of Sexual harassment and abuse of authority (2021)	UNICEF and United Nations
	Deep Dive: Preventing and Addressing Sexual Harassment at UNICEF	
	BSAFE	United Nations Department of Safety and Security (UNDSS)
2025	Ocean Data Management	Interorganizational Oceanographic Commission, UNESCO
	Introductory Training on Marine Protected Areas – Identification, Designation and Implementation	Blue Charter Marine Protected Areas Action Group and The Commonwealth
2024	Free, Prior and Informed Consent (FPIC) - An indigenous peoples' right and a good practice for local communities	Food and Agriculture (FAO) of the United Nations (UN)
	Ecosystem approach to fisheries - Policy and legal implementation	
	Ecosystem approach to fisheries - Monitoring and review	
	Ecosystem Approach to fisheries - Implementation	
	Introduction to other effective area-based conservation measures in marine fisheries	
	Protection from Sexual Exploitation and Abuse (PSEA)	
	Prevention of Harassment, Sexual Harassment and Abuse of Authority	
	United Nations Course on Working Together Harmoniously	
	FAO's Whistleblower Protection Policy	
	Ethics and Integrity at the United Nations	
	Achieving Gender Equality	
2021	Underwater Heritage	UNESCO Protection of the Underwater Cultural Heritage in Latin America and the Caribbean
	Negotiation Skills for Participation in Multilateral Environmental Agreements (MEAs)	GEF UNDP
	Ecological Technologies for Ensuring Sustainable Aquaculture as Coastal Zone Management	Archipelagic and Island States (AIS) Forum and UNDP
	The Blue Economy: Blue Resources	Massive Open Online Courses For Development (MOOC4D), University of Seychelles.
2020	The Blue Economy: Creating an Enabling Environment	MOOC4D, University of Seychelles.

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	Remote Sensing of Coastal Ecosystems	Applied Sciences Program: Earth Science Division - National Aeronautics and Space Administration (NASA) Science Mission Directorate.
	BSAFE	United Nations Department of Safety and Security (UNDSS)
	Nagoya Protocol: -Introduction to Access and Benefit Sharing -Introduction to the Access and Benefit-Sharing Clearing-House	United Nations Environmental Programme (UNEP), Convention on Biodiversity. Elearning.cbd.int
	Establishing Measures to Impliment Nagoya Protocol	UNEP, Convention on Biodiversity. Elearning.cbd.int
2019	Biodiversity Finance Certificate	Learning For Nature (UNDP, Biodiversity Finance Initiative, NBSAP Forum).
2013	Getting Started with GIS	ESRI Certification ArcGIS 10
	Basics for Geographic Coordinate Systems	
	Editing in ArcGIS	
	Using Raster data for Site Selection	

Post-Graduate Courses (PhD) (2012 to 2019):

- Management and Analysis of Environmental Data, Department of Life Sciences (DLS), FST
- Principles and Practices of Geoinformatics, DLS
- Bioethics, DLS.

Post-Graduate Courses (MPhil) (2004 to 2010):

- Spatial Data Analysis, Department of Geoinformatics Engineering and Land Management, Faculty of Engineering.
- Research Methodology, Department of Mathematics, Faculty of Science and Agriculture.

ACADEMIC EXPERIENCE

Institution/ Programme	Position	Period	Courses, Titles and Responsibility
The University of the West Indies, Department of Life Sciences	**Instructor III**	November 2025 May 31st 2026, September 2026 to May 2027	• BIOL 3070 Caribbean Island Ecology and Biogeography • BIOL3465 Tropical Forest Ecology And Use • BIOL3469 Practical Skills In Ecology And Environmental Biology • (MSc) BIOL6207 Sustainable Use and Development of Natural Resources
National Geographic Soceity	**Explorer-Educator**	August 2025 -July 2026	• Accessioning of fossils at the University of the West Indies Zoology Museum

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Institution/ Programme	Position	Period	Courses, Titles and Responsibility
	Exchange Program		• Coordinating site excavation and biodiversity research project
The UWI, Department of Life Sciences	**MPhil student supervisor**	April 2025-currently	Black Soldier Fly larvae as supplimentary protien source for tilapia hatcheries
	Postdoctoral Researcher	April 2025-March 2026	The Guppy Project, data processing and writing of academic papers
Linnean Society, London, UK	**Fellow of Linnean Society (FLS)**	April 2024-April 2027	Member, grant reviewer
University of Trinidad and Tobago (UTT)	**Part-time Undergrad Leccturer**	September - December 2025	Principles of Aquaculture
Arizona State Uniersity USA	**Undergraduate Thesis Superisor**	October 2023-October- 2024	Thesis title: Hermit crab resourcce use in Heritage Beacch, Tobago
Idaho State Univeristy		November 2023 - November 2024	Thesis title: Identification of the first fossil vertebrates described from Trinidad & Tobago: giant Ice Age armadillos (Chlamyphoridae: Glyptodontinae)
Auburn University, Alabama, USA	**Postdoctoral Research Fellow**	Septmeber 2022-December-2024	The Guppy Project- Funded by National Science Foundation, USA.
Williams College, Massachusetts, USA		November 2021-June 2022	
Regis University, Colorado,USA, Master of Development Practice program	**Affiliate Faculty, MSc Lecturer**	January -March (2021)	Eco-systems Services and Climate Change (Year 2 Core Course)
		March- April (2022)	Capstone Project, Second Reader
The University of the West Indies (UWI), *Faculty of Science and Technology (FST), Department of Life Sciences (DLS)*	**Lecturer, Co-course coordinator - MSc. Biodiversity Conservation and Sustainable Development in the Caribbean Program**	September – December (2018 – 2021, 2025)	Sustainable Use and Development of Natural Resources
		January – April (2021 - 2022)	Conservation and Management of Tropical Biodiversity (Core course)
		June – August (2020 – 2022)	Taxonomy and Biodiversity Informatics
		January – April (2020 - 2022)	Threats to Tropical Biodiversity (Core Course)
		September – December (2020)	Biodiversity Characteristics (Core Course)
	Guest Lecturer	July 2020	Field Practicum, Arima Valley, Trinidad: Aquatic fauna, Herpetology, Terrestrial arthropods

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Institution/ Programme	Position	Period	Courses, Titles and Responsibility
		July 2019	Field Practicum, Brownsberg Nature Park, Suriname: Aquatic fauna, Terrestrial arthropods
		March – May (2018, 2019)	Threats to Tropical Biodiversity: - Alien invasive species: causes, threats and consequences - Habitat loss and fragmentation: impacts on terrestrial/freshwater ecosystems
		July (2016, 2017, 2022), May (2018), August (2021), June 2026	Field Practicum, Charlotteville, Tobago: Aquatic fauna, Herpetofauna, Arthropods
		March – May (2015, 2018 - 2020)	Conservation and Management of Tropical Biodiversity (modules): - Marine Protected Areas and Coastal Zone Management, - Management of Tropical River and Wetland Resources
		September – December (2014, 2015, 2017)	Sustainable Use and Development of Natural Resources (modules)- - Concepts in sustainable use and sustainable development - Wildlife management and sustainable harvesting of wildlife - Managing for total economic value - Ecotourism and other non-consumptive uses of renewable resources - Emerging challenges is sustainable natural resource management - Achieving sustainability in the exploitation of aquatic biological resources - Cross cutting issues in sustainable use
	Final Year Project Co-supervisor	2017 – 2022	28 Student projects 7 with distinctions) Topics: - Terrestrial hermit crab population evaluation, Little Tobago. - Spatial and temporal comparison of the Decapod Communities and freshwater fish in Trinidad and Tobago. - Evaluation of Animal Rehabilitation Centers of Trinidad and Tobago. - Fish Assemblages in Relation to Salinity Gradient in Rivers that Flow into the Caroni Swamp, Trinidad And Tobago

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Institution/ Programme	Position	Period	Courses, Titles and Responsibility
			- Distance sampling for Howler Monkey (*Alouatta seniculus)* - Integrating ecosystem services with land-use planning/development: A case study of the Toco Port Development Proposal's potential effect on local fisheries/fish population - Change in Coral Diversity with Depth and Distance from the coastline, Man O' War Bay, Tobago – Mammalian and Avifauna distribution and abundance at a managed privately protected area, Tobago - Mangrove root epifaunal communities in the Caroni Swamp - Using physicochemical and macroinvertebrates indices to assess the impacts of land-based activities on water quality of two rivers in Grenada - The impact of oil pollution on mangrove prop-root epifauna in the Gulf of Paria, Trinidad - Evaluation of the pin seine and Chinese seine Fishery, Guyana - Assessment of the fish-fitness of non-native Tilapia to native riverine fish species in the Belize River (Belize)
DLS, FST, UWI	**Acting Curator**	August 2018 – July 2019	The University of the West Indies Zoology Museum (UWIZM) – Led several public exhibitions and workshops – Cataloguing of museum specimen using 'Past Perfect' Accessioning software – Taxonomy (Ichthyofauna, Herpetofauna, Shellfish, Late Pleistocene vertebrate asphaltic fossils) – Coordinating with Global Biodiversity Information Facility (GBIF) – Research based teaching – Repatriation of Asphaltic fossils to Trinidad, heritage items for Trinidad and Tobago.
DLS, FST, UWI *Undergraduate Biology and*	Teaching Assistant (12 courses)	September 2017 – May 2018	– Physiology of Animals – The Ecology of Freshwaters – Research and Practical Skills in Environmental Biology

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Institution/ Programme	Position	Period	Courses, Titles and Responsibility
Environmental Science			– Environmental Technology – Pollution Management and Abatement Technologies – Environmental Monitoring and Assessment – Capstone (year-long research project) – Environmental Health – Climate Change and Abatement Technology
		January – May 2012	– Freshwater Biology – Plant Physiology
	Undergraduate student project co-supervision	May – June 2018	Cost benefit analysis of tank based aquaculture system against soil grow box and hyydroponics systems.
	Demonstrator	September 2003 – July 2008	– Animal Diversity – Microbiology – Tropical Aquaculture – Fisheries and Marine Ecology – Freshwater Biology
Faculty of Humanities and Education, UWI. B.Ed. Programme	Guest Presenter	June 2012, May 2013 and May 2015	Science, Medicine and Technology in Society. Science, Theory, Philosophy and Practical Issues.
School of Biosciences Cardiff University, Wales, UK.	**Honorary Research Fellow**	November (2019 – 2022, 2025-2028)	Research Collaborator
	Guest Instructor	June-July (2006 – 2020, 2024-2026)	Tobago Field Course – Reef Ecology

ACADEMIC COMMITTEES

• March to August 2026: Organizer, Caribbean Aqua-producers Association Conference, Barbados 19th to 21st August, 2026.

August 2019: Bridging Research and Education in Asphalt Sites (BREAS) Initiative (International) – Member (La Brea Tar Pit and Museum, Page Museum, LA)

• November 2018 – June 2019: Project Closing Workshop on the Biological Information Development (BID), Global Biological Information Facility (GBIF) – Organizing Committee Member

• September 2017 – August 2018: Latin America and Caribbean Congress for Conservation Biology (LACCCB) Conference 2018 – Local Organizing Committee Member

• September 2014 – July 2019: UWI FST DLS – Outreach Committee Member

• January 2012 – May 2018: UWI FST DLS Research Symposium – Committee member, Co-chair (2014-2017)

• January 2013 – 2017: Living World Journal Supplement Proceedings of the DLS Research Symposium – Guest Editor

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- May 2012- present: Trinidad and Tobago Bioblitz planning committee

PROJECT COLLABORATIONS (current)

- International Oil Flies Research Project.
- Tar Pit Time Capsules: Caribbean asphaltic fossils reveal hidden biogeographic patterns and extinction processes, (La Brea Tar Pit and Museum, Los Angeles, funded by National Geographic Society).
- Tropical island biogeography of Trinidad and Tobago. H. Nelson (Cambridge University, England) and E. Devenish Nelson (The University of Edinburgh, England).
- Jessica Stephenson Laboratory, Pittsburgh University: Parasite-host relationships. (2020 -2024), Stockholm University (2025 – present).
- Mateusz Konczal, Adam Mickiewicz University in Poznan, Polland: Parasite-host relationships

PUBLICATIONS ORCID: 0000-0002-9270-9468

Research Gate:

Score **27.14** Research Interest **1053** Citations **1,204**

Google Scholar:

Citations (all, 2021- current): **1348**, **730** h-index: **19, 17** i-10 index: **29, 22**

International Peer-Reviewed Journal Articles [34]

(1) Robison-Smith C., Mason F.C., Cheung S.J., Whittey K.E., Eastman D., Eastman K., Mohammed R.S., Fanovich L., Perkins S.E. and Cable J. (2026). Characterising marine plastic debris accumulations on Tobago coastal environments. Journal of Hazardous Materials: Plastics. Volume 5. Impact Factor: 10.6

(2) **Potter T. and Mohammed R.S.,** et al. (2026). Parasites alter host community structure in a natural experiment. Journal of Animal Ecology, Impact Factor: 3.7

(3) Burda K., Janecka M.J., Mohammed R.S., Clark D.R., Kramp R., Stephenson J.F., Radwan J. and Konczal M. (2026), Interplay between purging and admixture shapes genetic load in an invasive guppy population. Genome Research (2026), Impact Factor: 5.5

(4) McClenachan L, Rick T, Thurstan R.H., Trant A, Alagona PS, Alleway HK, Armstrong C, Bird RB, Rubio-Cisneros NT, Clavero M, Colonese AC, Cramer K, Davis AO, Drew J, Early-Capistrán ME, Gil-Romera G, Gracem M, Hatch MBA Higgs E, Hoffman K, Jackson JBC, Jerardino A, LeFebvre MF, Lotze HK, Mohammed RS, Morueta-Holme N, Munteanu C, Mychajliw AM, Newsom B, O'Dea A, Pauly D, Szabó P., Torres J, Waldman J, West C, Xu L, Yasuoka, zu Ermgassen PSE, Van Houtan KS. (2024). Global research priorities for historical ecology to inform conservation. Available from: Endangered Species Research, Impact Factor: 3.16

(5) Cook, N.D., Clementi, G.M., Flowers, K.I., Fanovich, L., Cable, J., Perkins, S.E., Wothke, A., Mohammed, R.S. and Chapman, D.D., (2024). Elasmobranch diversity around the southern Caribbean island of Tobago: opportunities for conservation in a regional trade hub. Journal of the Marine Biological Association of the United Kingdom, 104, p.e8. Impact Factor: 1.4

(6) Ulmo-Diaz G, Engman A, O McLarney W, Lasso Alcalá CA, Hendrickson, Bezault E, Feunteun E, Prats-Léon FL, Wiener J, Maxwell R, Mohammed RS, Kwak TJ, Benchetrit J, Bougas B, Babin C, Normandeau E, Djambazian HHV, Chen S, Reiling SJ, Ragoussis J, Bernatchez L. (2023). Panmixia in the American

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eel extends to its tropical range of distribution: Biological implications and policymaking challenges. Evolutionary Applications, Impact Factor: 4.9

(7) Przesmycka K., Herdegen-Radwan M., Phillips K.P., Mohammed R.S. and Radwan J. (2023). The quest for good genes: Epigamic traits, fitness, MHC and multilocus heterozygosity in the guppy. Molecular Ecology. Impact Factor: 5.7

(8) García Barcia L., Valdes A.E., Wothke A., Fanovich L., Mohammed R.S., Shea S., González C., Cai Y. and Chapman D. (2022). Health Risk Assessment of Globally Consumed Shark-Derived Products. Exposure and Health. Impact Factor: 11.4

(9) Walsman et al. (2022). Shoaling guppies evade predation but have deadlier parasites. Nature Ecology & Evolution. Impact Factor: 15.4

(10) **Mohammed RS**. et al. (2022). Colonial legacies influence biodiversity lessons: how past trade routes and power dynamics shape present day scientific research and professional opportunities for Caribbean scientists. American Naturalist. Impact Factor: 3.9

(11) Phillips K., Cable J., Mohammed RS., Chmielewski S., Przesmycka K., Van Oosterhout C., Radwan J. (2021). Functional immunogenetic variation, rather than local adaptation, predicts ectoparasite infection intensity in a model fish species. (Molecular Ecology, Molecular Ecology, 30: 21, pp 5588-5604. Impact Factor: 5.1

(12) Balaguera-Reina S.A, Covalina J., Mohammed R.S., Gross B, Vazquez R., Moncada J.F., Llewellyn D. Densmore III LD. (2021). From the river to the ocean: mitochondrial DNA analyses provide evidence of spectacled caimans (*Caiman crocodilus* Linnaeus 1758) mainland-insular passive dispersal. (Biological Journal of the Linnaean Society) 134: 2, pg 486-497. Impact Factor: 2.8

(13) Konczal M., Przesmycka KJ., Mohammed RS., Hahn C., Cable J., Radwan J. (2021). Expansion of frozen hybrids in guppy ectoparasite, *Gyrodactylus turnbulli.* (*Molecular Ecology*). Impact Factor: 5.1

(14) **Mohammed, R. S** and van Oosterhout. (2020). Malaria, mangroves, and migration: challenges for small island developing states in the Caribbean. *The BMJ Opinions* (*British Medical Journal*).

(15) Herdegen-Radwan M., Phillips K., Babik W., Mohammed RS. and Radwan J. (2021). Balancing selection versus allele and supertype turnover in MHC class II genes in guppies. *Heridity*, 1-13. Impact Factor: 3.3

(16) Konczal, M., Ellison, A., Phillips, K.P., Radwan, J., Mohammed, R.S., Cable, J., and Chadzinska (2020). RNA-seq analysis of the guppy immune response against *Gyrodactylus bullatarudis* infection. *Parasite Immunology*. 42:e12782. Impact Factor: 3.2

(17) Konczal, M., Przesmycka, K., Mohammed, R.S., Phillips, K.P., Camara, F., Chmielewski, S., Hahn, C., Guigo, R., Cable, J., and Radwan J. (2020) Gene duplications, divergence and recombination shape adaptive evolution of the fish ectoparasite, *Gyrodactylus bullatarudis*. *Molecular Ecology*. 29:1494–1507. Impact Factor: 5.1

(18) Mychajliw, A., Mohammed, R.S., Rice, K., Farrell, A., Rincon, A., McAfee, R., McDonald, G., and Lindsey, E. (2020). The biogeography of "breas": contextualizing the taphonomy, ecology, and diversity of Trinidad's asphaltic fossil record. *Quaternary Science Reviews*. *232*: 106179. Impact Factor: 4.6

(19) **Mohammed, R.S**., King, S., van Oosterhout, C., Bentzen, P., Marcogliese, D., and Lighten, J. (2020) Parasite diversity in a model species, the guppy (*Poecilia reticulata*) in Trinidad. *Royal Society Proceedings*. 7: 191112. Impact Factor: 4.8

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(20) Dunkley, K., Ellison, A.R., Mohammed, R.S., van Oosterhout, C., Whittey, K.E., Perkins, S.E., and Cable, J. (2019). Long-term cleaning patterns of the sharknose goby (*Elacatinus evelynae*). *Coral Reefs*, *38*(2), 321-330. Impact Factor: 3.6

(21) Phillips, K.P., Cable, J., Mohammed, R.S., Herdegen-Radwan, M., Raubic, J., Przesmycka, K.J., van Oosterhout, C., and Radwan, J. (2018). Immunogenetic novelty confers a selective advantage in host–pathogen coevolution. *Proceedings of the National Academy of Sciences*, *115*(7), 1552-1557. Impact Factor: 9.4

(22) Lighten, J., Papadopulos, A.S., Mohammed, R.S., Ward, B.J., Paterson, I.G., Baillie, L., Bradbury, I.R., Hendry, A.P., Bentzen, P., and van Oosterhout, C. (2017). Evolutionary genetics of immunological supertypes reveals two faces of the Red Queen. *Nature Communications*, *8*(1), 1294. Impact Factor: 11.8

(23) **Mohammed, R.S**., Reynolds, M., James, J., Williams, C., Mohammed, A., Ramsubhag, A., van Oosterhout, C., and Cable, J. (2016). Getting into hot water: sick guppies frequent warmer thermal conditions. *Oecologia*, *181*(3), 911-917. Impact Factor: 3.0

(24) Stephenson, J.F., van Oosterhout, C., Mohammed, R.S., and Cable, J. (2015). Parasites of Trinidadian guppies: evidence for sex-and age-specific trait-mediated indirect effects of predators. *Ecology*, *96*(2), 489-498. Impact Factor: 5.1

(25) **Mohammed, R.S**., and Ramnarine, I.W. (2014). Comparison between greenwater and clearwater hatchery systems during the masculinization process of silver tilapia, *Oreochromis noloticus* (Perciformes: Cichlidae). *Global Journal of Fisheries and Aquaculture*, *2*(5), 177-181.

(26) Van Oosterhout, C., Mohammed, R.S., Xavier, R., Stephenson, J.F., Archard, G.A., Hockley, F.A., Perkins, S.E., and Cable, J. (2013). Invasive freshwater snails provide resource for native marine hermit crabs. *Aquatic Invasions*, 8(2). Impact Factor: 1.7

(27) Cable, J., Archard, G.A., Mohammed, R.S., Mcmullan, M., Stephenson, J.F., Hansen, H., and van Oosterhout, C. (2013). Can parasites use predators to spread between primary hosts? *Parasitology*, 140(9), 1138-1143. Impact Factor: 0.7

(28) **Mohammed, R.S**., van Oosterhout, C., Schelkle, B., Cable, J., and McMullan, M. (2012). Upstream guppies (*Poecilia reticulata*, Peters, 1859) go against the flow. *Biota Neotropica*, 12(3), 68-72. Impact Factor: 1.1

(29) Schelkle, B., Mohammed, R.S., Coogan, M.P., McMullan, M., Gillingham, E.L., van Oosterhout, C., and Cable, J. (2012). Parasites pitched against nature: Pitch Lake water protects guppies (*Poecilia reticulata*) from microbial and gyrodactylid infections. *Parasitology*, 139(13), 1772-1779. Impact Factor: 0.7

(30) Schelkle, B., Paladini, G., Shinn, A., King, S., Johnson, M., van Oosterhout, C., Mohammed, R.S., and Cable, J. (2011). *Ieredactylus rivuli* gen. et sp. nov. (Monogenea, Gyrodactylidae) from *Rivulus hartii* (Cyprinodontiformes, Rivulidae) in Trinidad. *Acta Parasitologica*, 56(4), 360-370. Impact Factor = 1.0

(31) **Mohammed, R.S**., McMullan, M.J., Schelkle, B., and van Oosterhout, C. (2010). Colour variation of an individual of Hart's Rivulus (*Rivulus hartii*) found in a habitat rich in polycyclic aromatic hydrocarbons in the Pitch Lake of Trinidad. *Ecologia Balkanica*, Impact Factor: 0 2.

(32) Van Oosterhout, C., Smith, A.M., Hänfling, B., Ramnarine, I.W., Mohammed, R.S., and Cable, J. (2007). The guppy as a conservation model: implications of parasitism and inbreeding for reintroduction success. *Conservation Biology*, 21(6), 1573-1583. Impact Factor: 4.8

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(33) Van Oosterhout, C., Mohammed, R.S., Hansen, H., Archard, G.A., McMullan, M., Weese, D.J., and Cable, J. (2007). Selection by parasites in spate conditions in wild Trinidadian guppies (*Poecilia reticulata*). *International Journal for Parasitology*, 37(7), 805-812. Impact Factor: 3.7

(34) Van Oosterhout, C., Joyce, D.A., Cummings, S.M., Blais, J., Barson, N.J., Ramnarine, I.W., Mohammed, R.S., Persad, N., and Cable, J. (2006). Balancing selection, random genetic drift, and genetic variation at the major histocompatibility complex in two wild populations of guppies (*Poecilia reticulata*). *Evolution*, 60(12), 2562-2574. Impact Factor: 4.2

Caribbean Peer-Reviewed Journals and Bulletins [34]

(1) BeDell Z., Woolley J., Mohammed R.S., Brundage A. and Conway K.W. (2026) Notes on the bees (Hymenoptera: Apoidea) of northeastern Trinidad, West Indies. Living World Journal of the Trinidad and Tobago Field Naturalist Club. (In Press).

(2) Joseph L. Mohammed R.S., Bhukal R., Deacon A.E. (2022) An Assessment Of Fish Assemblages In Peripheral Lotic Habitats Of The Caroni Swamp, Trinidad. (Caribbean Naturalist)

(3) Ramnarine S.A., S. Ramphal, R.C. Ramoutar, L. Fanovich, and R.S. Mohammed. (2021) Diurnal Nesting of the Hawksbill turtle (*Eretmochelys imbricata*) in North East Trinidad. (Living World Journal of Trinidad and Tobago Field Naturalists' Club)

(4) Conner M., Mohammed RS., Brundage A. and Conway KW. (2020). Male colour morphs in a north eastern Trinidad population of Streak Gecko, *Gonatodes vittatus* (Squamata: Gekkota: Sphaerodactylidae. *Living World Journal of the Trinidad and Tobago Field Naturalists' Club,* pp 1-5.

(5) Kamilar V., Brundage A., Mohammed RS. (2020). An Evaluation of the Hard Ticks (Ixodidae) Infesting Cane Toads (*Rhinella marina*) in north eastern Trinidad. *Living World Journal of the Trinidad and Tobago Field Naturalists' Club*, pp 80-82.

(6) **Mohammed R.S**., Frank, Z., and Fanovich L. (2019). A review of the terrestrial and freshwater turtles of Tobago and report of a potential alien invasive species. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 34-35.

(7) Fanovich L., Wothke A., and Mohammed R.S. (2019). Report on sightings of the potential invasive species *Ophiothela mirabilis* (Echinodermata: Ophiuroidea) in Tobago, W.I. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 29-31.

(8) **Mohammed, R.S**., Khan, K., and Nieweg, D.C. (2018). First report of the freshwater mussel *Mytilopsis leucophaeata* (Family Dreissenidae) in Trinidad WI and a new locality record of the native *Anodontites crispata* (Family Unionidae). *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 102-104.

(9) Khan, K., Ali, S.H., and Mohammed, R.S. (2017). Colours and spots: do they tell the story of an ocelot's origin? *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 38-42.

(10) Fanovich, L., Cook, N.D., Mohammed, R.S., and Wothke, A. (2017). Citizen-based observations on shark and mobulid species in Tobago, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 26-31.

(11) **Mohammed, R.S**., Khan, K., and Ali, S.H. (2017). Sightings of *Trachemys scripta elegans* (Reptilia: Emydidae), a new potential aquatic alien invasive species in Trinidad, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 56-58.

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(12)**Mohammed, R.S.,** Mohammed, N., Deacon, A.E., and Rostant, L.V. (2017). Aquatic fauna of three rivers in Northeast Tobago, West Indies: updated species assemblages and distributions. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 32-37.

(13)**Mohammed, R.S**., and Fanovich, L. (2016). Mollusc shells findings from the Red House excavation, Trinidad Living *World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 33-37.

(14)Khan, K., and Mohammed, R. (2015). Captive ocelots at Trinidad's Emperor Valley Zoo: retrospective and suggested management. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 52-56.

(15)Suepaul, R., Basu, A., and Mohammed, R.S. (2015). Infestation of *Hopilas malabaricus* with *Eustrongyloides* spp. in Arena, Trinidad. Caribbean Naturalist, 23, 1–7.

(16)Bhukal, R., Rutherford, M.G., and Mohammed, R.S. (2015). Predation on a freshwater crab, *Dilocarcinus dentatus* (Tricodactylidae), by several tropical wolf spiders, *Ancylometes bogotensis* (Ctenidae), in Trinidad, WI. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 59-60.

(17)**Mohammed, R.S**., Phillips, K., Khan, K., and Bhagan, A. (2015). A survey of freshwater fish distribution in Tobago, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp., 4-51.

(18)**Mohammed, R.S**. (2015). Distribution of the caiman, *Caiman crocodilus* on Tobago. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 66-67.

(19)**Mohammed, R.S**. (2015). Potential new establishment of an exotic snail, *Pomacea canaliculata* (Lamarck 1891) (Gastropoda: Ampullariidae) in Trinidad. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp.67-68.

(20)**Mohammed, R.S**., Bhukal, R., and Khan, K. (2015). Distributions of a natural coloniser and an established exotic fish species: *Gephyrocharax valencia* (Characiformes: Characidae) and *Trichogaster trichopterus* (Perciformes: Osphronemidae) in Trinidad. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 64-65.

(21)**Mohammed, R.S**. (2014). A safe haven for three freshwater invasive alien species in Tobago, Trinidad and Tobago. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 53-55.

(22)**Mohammed, R.S**., Manickchan, S.A., Charles, S.P., and Murphy, J.C. (2014). The herpetofauna of Southeast Trinidad, Trinidad and Tobago. *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*, pp. 12-20.

(23)Deacon A., and Mohammed R.S. (2014). Aquatic groups report, Nariva Bioblitz report. *Field Naturalist Quarterly Issue* 4, pp. 14-16.

(24)Deacon A., and Mohammed R.S. (2013). Freshwater group report, more than just guppies: Arima Valley's freshwater fauna. pp14.

(25)**Mohammed, R.S**., and Lalla, H. (2013). Possible return of the driftwood catfish, *Trachelyopterus galeatus* (Family: Auchenipteridae) to Trinidad, Trinidad and Tobago. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 73-74.

(26)Rutherford, M.G., and Mohammed, R.S. (2013). New and updated records of terrestrial and freshwater gastropod molluscs for Tobago, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 71-72.

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(27)**Mohammed, R.S**., and Rutherford, M.G. (2012). New records of two freshwater gastropod molluscs for Trinidad, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 85-86.

(28)**Mohammed, R.S**., Ramjohn, C., and Bhukal, R. (2011). Malaysian prawns, *Macrobrachium rosenbergii*, Trinidad's invasive alien; biological indicator or aquaculture species? *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club,* pp. 66-69.

(29)Manickchan, S.A., Starr, C.K., Ramjohn, C., Mahabir, S.V., Mahabir, K., and Mohammed, R.S. (2011). The distribution of the frog *Eleutherodactylus johnstonei* (Amphibia: Eleutherodactylidae) in Trinidad, West Indies. *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*, pp. 46-49.

(30)**Mohammed, R.**S., Mahabir, S.V., Joseph, A.K., Manickchan, S., and Ramjohn, C. (2010). Update of freshwater turtles' distributions for Trinidad and possible threat of an exotic introduction. *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*, pp. 54-58.

(31)**Mohammed, R.S**., Ramjohn, C., Lucas, F., and Rostant, W.G. (2010). Additional observations on the distribution of some freshwater fish of Trinidad and the record of an exotic. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club.* pp. 43-54.

(32)**Mohammed, R.S**. (2008). East coast molluscan drifters: a review and summary of the biology and occurrences of *Janthina janthina* and *Spirula spirula*. *Quarterly Bulletin of the Trinidad and Tobago Field Naturalists' Club*. p14.

(33)**Mohammed, R.S**., Nieweg, D.C., Rostant, W.G., and Badal, P. (2008). Collections of freshwater mussel shells of *Anodontites* sp. and *Mycetopoda* sp. in rivers of south-central Trinidad, West Indies. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 76-77.

(34)Rostant, W.G., Mohammed, R.S., Lucas, F.B., and Badal, P. 2007. Diversity of the ichthyofauna of estuaries in South eastern Trinidad. *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club*, pp. 31-37.

Academic Publications Submitted for Review

(1) Diversity and antimicrobial activity of bacteria found in marine sponges of Trinidad. Ramsoondar J., Chinnaraja C., Ramnarine S., Mohammed RS., Jayaraj J. and Ramsubhag A. (Aquatic Microbial Ecology)

(2) Deo R.N., Ali Z., Ali H., Mohammed R.S. First Report of Giant Earthworm for Tobago. (Living World Journal of Trinidad and Tobago Field Naturalists' Club)

(3) Mohammed, R.S and Jute A. The Role of Natural History Museums in Creating Awareness and Conserving Natural Heritage. Journal of Intangible Cultural Heritage of India.

(4) J.F.R. Seetahal, D.G. Streicker, P. Beerli, N. Sahadeo, P. Lemey, M.J. Sanchez-Vazquez, A. Broos, L. Bergner, V. Ramkissoon, R. Mahabir, P. Tihul, D. Hartley, A. Van Sauers, G. Karg, R.S. Mohammed, R. Biek, C.A.L. Oura and C. V.F. Carrington. Population genetics and phylogeography of vampire bats (*Desmodus rotundus*): an investigation into mainland-island bat movement. (Submitted to PLoS ONE, Impact factor 4.3).

(5) Update of the distribution for two freshwater fish- *Dormitator maculatus* and *Triportheus elongatus*. Mohammed, R.S., Khan, K., Bhukal, R., and Ali, S.

Academic Publications in Preparation

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(1) Update of the freshwater ichthyofaunal assemblage for Tobago (West Indies) with focus on the north eastern region. Mohammed, R.S., Fanovich, L., Guichard, C., and Rostant, L.V.
(2) Spatiotemporal Population Dynamics Of *Gyrodactylus* Spp. Parasites And Wild Guppy (*Poecilia reticulata*) In Relation To Temperature, Host Density And Population Structure. Mohammed RS, Phillips K., Ramsubhag A., Mohammed A., Cable J. and van Oosterhout C.
(3) Elasmobranchs in Trinidad And Tobago, W.I. on social media – a valuable complementary data source. Fanovich, L., Ali, L., and Mohammed, R.S. (Submitted to Caribbean Naturalist)
(4) Flying fish (*Hirundichthys affinis*) fishery of Tobago – the case of species reproduction, fishing grounds, landings and local management. Tobias-Clarke, E.D., Fanovich, L., Potts, A., and Mohammed, R.S.
(5) Bacterial and parasitic pathogens associated with three export catfish species in Trinidad. Mohammed, R.S., Ramsubhag, A., Mohammed, A., Mutani, A., and Adesiyun, A.A.
(6) Physico-chemical parameters influence the Trinidadian distribution of invasive freshwater gastropod, golden apple snail, *Pomacea difussa.* Mohammed, R.S., Beddoe, L., Bhukal, R., and Nelson, H.
(7) Distributions and diversity of freshwater gastropods in Trinidad and Tobago. Rutherford, M.G., and Mohammed, R.S.
(8) West Indian Crown Conch Fishery in Trinidad: Historical and current fishery. RS. Mohammed, M. Rampaul and L. Rostant.

Magazines, Newspapers and Newsletters

(1) There and back again- A tale of Trinbagonian Fossils. December 2025. The Hammer. Geological Society of Trinidad and Tobago. Page 4 – 8. https://thegstt.org/publications/file/194
(2) IOC UNESCO Project Activities on Marine Spatial Planning and a Sustainable Blue Economy in Trinidad and Tobago. Intercoastal Zone Management Zone Committee (ICZM) News December 2020. http://www.iczm.gov.tt/2021/01/07/iczm-news-december-2020/
(3) IOC UNESCO Project Activities on Marine Spatial Planning and a Sustainable Blue Economy in Trinidad and Tobago. IMA News (Institute of Marine Affairs). December 2020 Volume 10 - Issue 3, pp 3-6.
(4) T and T host first ever Latin American and Caribbean Congress for Conservation Biology. *The Bellbird Newsletter: Asa Wright Nature Center*, August 2018, pp. 3.
(5) Trinidad's capybara: food for thought or food for pot! *Newsday*, April 2018.
(6) Aliens in our waters. Stop invasion of alien species. CABI and GEF Promotion magazine, September 2012, pp. 27.
(7) Let the crabs run! *Caribbean Gourmet*, July –September 2012, pp. 30-32.
(8) Malaysian prawns and Australian red claw crayfish: aquaculture's answer to the dwindling shrimp and lobster stocks of the Caribbean. *Caribbean Gourmet,* January - March 2012, pp. 18-19.
(9) The diversity of the Caribbean fish fry. *Caribbean Gourmet*, September-October 2011, pp. 24-26.
(10) Aquaculture in the Caribbean – is it needed? *Caribbean Gourmet*, May-July 2011, pp. 24-28.

Book Chapters

(1) Mohammed R.S. and Fanovich L. (2024). The Caribbean – 1950 to today: Biodiversity edited by Olaf Kaltmeier, Regina Horta Duarte, Leon Avila Romero and Antoine Acker. "Biodiversity in the Caribbean, The Anthropocene as a Multiple Crisis. Perspectives from Latin America." Bielefeld University, Germany.

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(2) Auguste, R. J., Downie, J. R., Jowers, M. J., Lehtinen, R. M., Mohammed, R. S., and Murphy, J. C., (2023). Amphibians and their conservation in Trinidad and Tobago. Chapter 12, pp. 544-572, in Amphibian Biology, Volume 9 Status of Decline of Amphibians: Western Hemisphere, Part 5 The Caribbean: The Conservation and Biogeography of Amphibians in the Caribbean, edited by N. Ríos-López and H. Heatwole. London, Pelagic Publishing

(3) Murphy, J.C., Downie, J.R., Smith, J.M., Livingstone, S.M., Mohammed, R.S., Lehtinen, R.M., Eyre, M., Sewlal, J.A., Noriega, N., Casper, G.S., & Anton, T. (2018). *A field guide to the amphibians & reptiles of Trinidad and Tobago*. Contributor to chapters: Environment, Folklore, Caimans, Tortoise and Freshwater turtles. 340 pages.

(4) Phillip, D.A.T., Mohammed, R.S., & Gilliam J.F. The freshwater fisheries of Trinidad. (Pending submission).

Book Reviews [2]

(1) **Mohammed, R.S** (In Review). Mangrove Forests of Trinidad and Tobago (pending), R Juman, H. Asmath, N. Gooding and G. Collins.

(2) **Mohammed, R.S.** (2019). Life along the Seashore of Trinidad and Tobago (2018), J. Duncan and W. Lee Lum. Living World Journal of the Trinidad and Tobago Field Naturalists' Club, pp. 55-56.

Photographs

Mohammed, R.S. (2011). *Figures 8.1F, 8.2 and 8.4A* In Part II, Chapter 8: Poeciliid parasites. J. Cable (Chapter Author). In *Ecology and Evolution of Poeciliid Fish*, J.P. Evans, A. Pilastro and I. Schlupp (Ed.). University of Chicago.

CONFERENCE, SEMINARS AND PRESENTATIONS

(1) **Mohammed R.S.** (2025) 'Aquaculture Best Practices For The CARICOM: Exotics And Native Species, Opportunities And Impacts.' Caribbean Aqua-producers Conference. Savannah Resort, Barbados.

(2) **Mohammed R.S**. (2025) Spatio-temporal population dynamics of *Gyrodactylus* spp. parasites and wild guppy (*Poecilia reticulata*) in relation to temperature, host density and population. British Ecological Society Annual Meeting. Edinburgh, Scotland UK.

(3) **Mohammed R.S**. (2025) 'Aquaculture Best Practices For The CARICOM: Exotics And Native Species, Opportunities And Impacts.' Caribbean Week of Agriculture (CWA), Marriott Hotel, St. Kitts and Nevis.

(4) **Mohammed R.S**. (2023). 'Mangroves, Malaria, Migration and Mitigation- Climate Change And Costal Zone Challenges For Small Island Developing States In The Caribbean.' Identification, Protection, Restoration, and Management (IPRM)of the Greater Caribbean Beaches, University of Knowledge, Panama City

(5) **Mohammed R.S**. (2022). Panel and Plenary discussion. Creating an enabling policy and practice environment for a post- IYAFA 2022 celebration in WECAFC. 18th Session of the Western Central Atlantic Fishery Commission WECAFC/EDF.

(6) **Mohammed R.S.** (2022). Trinidad and Tobago's Aquatic Realms. Trinidad and Tobago Field Naturalists' Club.

(7) **Mohammed R.S.** (2022) Guest Lecturer: The La Brea Pitch Lake as a Proposed UNESCO Man and the Biosphere. Middlebury College, Vermont. Conservation Biology.

(8) **Mohammed, R.S.** (2021). Aquatic Biodiversity in a Man and the Biosphere Reserve in North East Tobago- A ridge to reef approach. Integrated Water Resources Coastal Symposium 2021.

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(9) Fanovich L. and Mohammed R.S. (2021). Guest Lecturer: Civil Society and Conservation in a Small Island Developing State: North East Tobago Man and Biosphere Reserve. Middlebury College, Vermont. Conservation Biology.

(10) **Mohammed, R.S.** (2021). General Forestry Safety: identification of dangerous animals and protocols for animal attacks. Anti-Rabies Unit, Ministry of Agriculture, Land and Fisheries.

(11) Ulmo-Díaz, G., Engman, A. Mohammed, R.S. et al. (2020). 'Synergistic collaboration through borders: the quest for the American Eel'. Latin American Theme Day of the American Fisheries Society.

(12) **Mohammed, R.S**. (2020, July). 'Blue Economy: A mechanism to avoid Environmental Blues. Discussion on the Blue Economy in observance of World Ocean's Day 2020 and the U.N. Decade of Ocean Science for Sustainable Development.

(13) **Mohammed, R.S**. (2020, July). '*Somethings Fishy in Trinbago'- Ichthyofaunal diversity in Trinidad and Tobago*. Ministry of Planning and Development - Environmental Policy and Planning Division.

(14) **Mohammed, R.S**. (2020, June). *Ice Aged Biodiversity in the Tropics: comparative island biogeography.* Ministry of Planning and Development - Environmental Policy and Planning Division.

(15) **Mohammed, R.S**. (2019, August). *Fish, mud volcanoes and tar Pits*. Presented at the Inaugural Meeting of BREAS Initiative, La Brea Tar Pit and Museum, Los Angeles, California, USA.

(16) **Mohammed, R.S**. (2019, March). *Malaria, mangrove and migration*. Presented at the Frontiers of Science Meeting between the Royal Society and The University of the West Indies, Chicheley Hall, England.

(17) **Mohammed, R.S**. (2018, July). *Infection history rather than parasite strain diversity or temperature affects Gyrodactylus turnbulli distribution on Poecilia reticulata hosts*. Presented at the Fisheries Society of the British Isles Symposium, "The Sustainable Use and Exploitation of Fishes", University of East Anglia (UEA), England.

(18) **Mohammed, R.S**. (2018, July). *Climate change, conservation and folklore*. Presented at the Speculative Nature Writing Retreat, Ivy House Country Hotel, UEA, England.

(19) **Mohammed, R.S**. (2018, June). *Caribbean aquaculture: challenges and strategies*. Presented at the Marine Institute, New Port, and Biological, Earth and Environmental Sciences, University College Cork, Distillery Field Campus, Ireland.

(20) **Mohammed, R.S.** (2016, September). *Parasite-host interactions at elevated temperatures – getting into hot water: sick guppies frequent warmer thermal conditions*. Paper presented at the 3rd International Conference on Aquaculture, London, England.

(21) Phillips, K.P., Cable, J., van Oosterhout, C., Mohammed, R.S., Przesmycka, K., Herdegen, M., and Radwan, J. (2016, September). *Do novel immune alleles give hosts an advantage over local parasites?* Paper presented at the 4th Polish Evolutionary Conference, Białystok, Poland.

(22) **Mohammed, R.S**. (2014, April). *Freshwater invasive alien species in Tobago: they came, they stayed and now they spread!* Presented at the Policies, Strategies and Best Practices for Managing Invasive Alien Species (IAS) in the Insular Caribbean Symposium, Radisson Trinidad, Port of Spain, Trinidad & Tobago.

(23) **Mohammed, R.S.** (2013, September). *Marine hermit crabs using invasive freshwater snail shells as an additional resource*. Presented at The Institute of Marine Affairs, 13th Research Symposium, Water and Biodiversity in the Caribbean, Towards Ocean Conservation, Port of Spain, Trinidad and Tobago.

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(24)**Mohammed, R.S.** (2013, April). *Local marketing strategies for tilapia and other aquaculture species*. Presented at The Ministry of Food Production in collaboration with National Flour Mills Limited and aQua-TT Seminar: Establishing and Maintain a Viable Tilapia Production System, Port of Spain, Trinidad and Tobago.

(25)**Mohammed, R.S**. (2012, May). *Stemming the flow: a regional approach to freshwater invasive alien species (FIAS) management.* Presented at the 6th Biennial Caribbean Environmental Forum and Exhibition (CEF 6), Marriott Hotel, St. Kitts and Nevis.

(26)**Mohammed, R.S.** (2012, April). *Freshwater alien invasive species of Trinidad*. Presented at The Trinidad and Tobago Field Naturalists' Club Monthly Meeting, Port of Spain, Trinidad and Tobago.

(27)**Mohammed, R.S.** (2012, March). *Aquaculture options for Trinidad and Tobago*. Presented at The Association of Professional Agricultural Scientists of Trinidad and Tobago (APASTT) Seminar, UWI, 'Alternative Livestock Production to Enhance Protein Security in Trinidad and Tobago', UWI, St. Augustine, Trinidad and Tobago.

(28)**Mohammed, R.S.** (2012, February). *Freshwater alien invasive species of Trinidad: should we be afraid of the Americans?* Presented at the 2nd Annual National Biodiversity Research Symposium. Ambassador Hotel, Trinidad.

(29)**Mohammed, R.S**. (2011, November). *Sustainable options for the aquaculture industry*. Presented at the National Skills and Entrepreneurship Expo 2011, Center of Excellence, Tunapuna, Trinidad and Tobago.

(30)**Mohammed, R.S.** (2011, January). *Water resources: uses and abuses*. Presented at the National Conference for Environmental Management 2011, UWI, St. Augustine, Trinidad and Tobago.

(31)**Mohammed, R.S**. (2008, July). *Parasites as agents of selection in fish: from genes to ecosystems.* Presented at the Fisheries Society of the British Isles (FSBI) Annual International Symposium, Cardiff University, Cardiff, Wales.

(32)**Mohammed, R.S.** (2008, July). *Occurrence of Argulus spp. and bacterial pathogens on the catfish Hypostomus robinii*. Presented at the FSBI Annual International Symposium Cardiff University, Cardiff, Wales.

(33)**Mohammed, R.S**. (2007, November). *Microbial quality of water from rivers in Trinidad used for collecting indigenous catfish for the export market*. Presented at the 4th Pan Commonwealth Veterinary Conference, Barbados.

(34)**Mohammed, R.S.** (2007, March). *Status of wild, freshwater, ornamental catfish export industry*. Presented at The Trinidad and Tobago Field Naturalists' Club Monthly Meeting, Port of Spain, Trinidad and Tobago.

(35)**Mohammed, R.S.** (2006, November). *Physical and chemical quality of water from natural habitats of the catfish species Ancistrus cirrosus, Corydoras aeneus and Hypostomus robinii in Trinidad*. Presented at the 24th Caribbean Biennial Veterinary Medical Association Conference, Grenada.

GRANTS, SCHOLARSHIPS and AWARDS

(1) Grantee: Government of India, Quick Impact Project (2026). "Memorial monument and audio-visual experience for Nelson Island" for the National Trust of Trinidad and Tobago: TT340,000 (USD50,000).

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(2) Grantee: Wild Animal Initiative's 2023 Seed Grants (2024). 'Temporal measurement of cortisol concentration in fish tissue and water in the presence of a controlled stress stimulant.': TT$205,579 (US$30,371)
(3) Awarded: International Year of Artisanal Fisheries & Aquaculture (IYAFA) 2022 in the Western Central Atlantic Fishery Commission (WECAFC) region champion in the category of "Small-scale aquaculture leader". FAO, UN.
(4) Forum on IP, Innovation and SIDS: A Look at Innovation and Leveraging IP in the Blue Economy. (March 2022, Barbados) Funded by CARIPI.
(5) Indian Technical and Economic Cooperation (ITEC): Museology (2019, August), scholarship awarded by the Indian High Commission to Trinidad and Tobago.
(6) Travel grant awarded by Frontiers of Science, Royal Society (March 2019, Milton Keynes, UK).
(7) Project Management for Results (PM4R) (2017, October), scholarship awarded by the Inter-American Development Bank.
(8) Technical Training Course on Aquaculture for Developing Countries (2014, May), scholarship awarded by Ministry of Commerce of the Peoples Republic of China.
(9) PhD Field Work and Data Collection Grant (2013, October), awarded by UWI, St. Augustine, Trinidad, for Doctoral project research. Campus Research and Publication Fund: TT$35,000 (~£4,000)
(10) UWI Post Graduate Scholarship (2012, January), awarded by UWI, St. Augustine, Trinidad for study period 2012, September to 2015, September: TT$60,000 (~£7,000)
(11) MPhil Field Work and Data Collection Grant (2005, October), awarded by UWI, St. Augustine, Trinidad, for Doctoral project research. Campus Research and Publication Fund: TT$10,000 (~£1,000)
(12) FSBI Travel Grant Award for FSBI Annual International Symposium, Cardiff University, Cardiff, Wales, UK (2008, July): TT$4,000. (~£400)

CURRICULUM, MANUAL AND SYLLABUS DEVELOPMENT PROJECTS

1. Manual on Blue Land Crab, *Cardisoma guanhumi*, corralling and fattening. Funded by GEF SGP for Mason Hall Secondary School, Tobago. (May 2025)
2. Access and Benefit Sharing in Bio-prospecting and Biodiversity (IUCN and Nagoya Protocol) (on going).
3. Training in data application for Freshwater Ecosystem management, protection, and restoration. Module 1 (Structure, Functions And Value Of Freshwater Ecosystems) and Module 2 (Protecting and restoring freshwater ecosystems), United National Environmental Program (UNEP), United Nations Development Program (UNDP)
4. Aquaculture Manual for Caribbean States – Caribbean Waternet (Cap Net) (2020). https://cap-net.org/aquaculture4caribbean/
5. Grow Out Aquaculture Operations, Levels 1, 2 and 3 (2011 to 2016) - Competency Standards for Vocational Qualifications (Caribbean Vocational Qualifications), National Training Agency (NTA), Trinidad and Tobago: https://ntatnt.org/download-cvq/
   (Fish and Fish Processing)

TECHNICAL REPORTS and GRANTS REVIEWER

1. June 2025: Systematics Research Fund (SRF) with the Lineanne Society.
2. December 2021: *Reviewer*, IPBES Draft scoping report for the business and biodiversity assessment

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3. October 2021: *Reviewer*, IPBES Nature Futures Framework prepared by the task force on scenarios and models
4. October 2020: *Reviewer*, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Draft Workshop on Biodiversity and Pandemics Report
5. September 2020: *Reviewer* IPBES the first order draft of the invasive alien species assessment
6. October 2020: *Peer Reviewer*, Convention on Biological Diversity (CBD) Technical Series: Anthropogenic Underwater Noise: Impacts on Marine and Coastal Biodiversity and Habitats, and Mitigation and Management Measures.
7. August 2020: *Reviewer*, IPBES, Draft scoping report on assessing the interlinkages among biodiversity, climate, water, food, energy and health (nexus assessment).

VIDEO DOCUMENTARY PRODUCTION

1. *Presenter*: 'Plight of the Scarlet Ibis', Produced and Directed by Gideon Hanumansingh, 2026
2. *Executive Producer*: The Role of the Institute of Marine Affairs in Marine Spatial Planning for the Blue Economy (November 2020): Decade of the Ocean, Marine Spatial Planning, Blue Economy, UNESCO IOC. https://www.youtube.com/watch?v=IudtLUdw4Zs&t=34s
3. *Executive Producer*: The Role of State Agencies in Marine Spatial Planning for the Blue Economy (November 2020): Decade of the Ocean, Marine Spatial Planning, Blue Economy, UNESCO IOC. https://www.youtube.com/watch?v=nycd19Ko_8A&t=10s
4. *Guest Presenter*: Pitch Lake Ecology, Martinique Television. https://la1ere.francetvinfo.fr/martinique/emissions/caraibes#xtref=acc_dir Program CARAÏBES 26/10/2021

TECHNICAL DOCUMENTS/PAPERS/REPORTS

1. *Lead Author* - Second Global Assessment of Biodiversity and Ecosystem Services (second global assessment) of the Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services (IPBES), Chapter 3, status and trends (2025-2028).
2. Co-author – (2025) Report Indigenous and local knowledge dialogue workshop on Scenarios of the future knowledge dialogue workshop on Scenarios of the future. 23-26 May 2025, Subic Bay, Philippines. IPBES.
3. *Lead Author* – (Corresponding Lead Author) Cashman A., (Lead Authors) Neff BP, Ramessar CR, Ali A, Hanna J, Gardner L, Mohammed RS, Cox S, Edwards T and (Corresponding Authors), DeGraff Ollivierre A, Hosten A, Baker D, Amon D, Manwaring G, Alexander J, Telesford-Checkley J, Ramlogan N, Khan R, Afeworki S. Chapters 2 and 7. Scenarios and pathways to a sustainable future. In: Grenada National Ecosystem Assessment (2023). Grenada National Ecosystem Assessment. J. Agard, A. St. Louis and S. Ferguson (eds). UNEP-WCMC, Cambridge, UK; Government of Grenada, St. Georges, Grenada; Caribbean Natural Resources Institute, Barataria, Trinidad and Tobago.
4. *Contributing Author* - Sustainable Shark and Ray Management Plan, North East Tobago, Man and the BioSphere Area. (2020). Wothke A., Fanovich L., Mohammed R.S., Dick S. and Parkinson L.
5. *Co-Lead Author* - A Sustainable Blue Economy Trinidad and Tobago. Marine Spatial Planning Global. Mahadeo S and Mohammed RS., 2021. Intergovernmental Oceanographic Commission (IOC) UNESCO, Trinidad and Tobago. Institute of Marine Affairs.

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https://unesdoc.unesco.org/ark:/48223/pf0000375761?posInSet=1&queryId=N-EXPLORE-cb06a61f-a196-41dd-927d-a52608b74180

SECTION 2- PROFESSIONAL

ADDITIONAL TRAINING AND PERMITS

- October 1997- January 2029: Driver's Permit, Republic of Trinidad and Tobago, Class 3 and 4 (Light and Heavy manual motor vehicles), with off road experience.
- September 2015: Supervisory Safety Leadership Course (Techsafe Training and Consulting Limited, San Fernando, Trinidad):
  - Supervisor safety fundamentals
  - Hazard recognition workshop
  - General Safety (Behaviour based)
  - Hazard control technique
- December 2017, May 2026: First Aid, CPR and AED training (American Heart Association).
- September 2015: First Aid and CPR re-certification (TechSafe, Trinidad)
- September 2015: Accident Investigation Course (TechSafe, Trinidad)
- August 2012, 2014 (re-certified): Point Lisas Energy Association clearance, Trinidad and Tobago (PLEA Passport re-certified #1891)
- November 21st to December 3rd, 2011: Boat Master III - [Caribbean Fisheries Training and Development Institute (CFTDI)]: Certified to captain any non-commercial vessel under two metric tonnes or less than 20m in length, within 20 nautical miles of any Caribbean territory coastline.
- May 2011 (2nd to 11th): (Pre Sea, Ordinary Seaman) Seaman Class IV [CFTDI]
  - Basic Personal Safety
  - Basic Fire Fighting
  - Basic First Aid
  - Basic Seamanship
- May 2006, 2026: National Safety Council Defensive Driving Course, Certificate of Completion. [Jaric Environment Safety and Health Services Ltd., Curepe, Trinidad].

PROFESSIONAL APPOINTMENTS and COMMITTEE MEMBER

- *Member*: (September 2026 – September 2029): IUCN World Commission on Protected Areas.
- *Member*: (July 2026 – ongoing) UNDP's ExpRos consultant deployment for quick support to UNDP Country Offices, Regional Bureaus, and Regional Hubs.
- *Membe*r and COPE Representative (July 2025 – June 2031) – Project Steering Committee, GEF Project ID 11176: "Elimination of Hazardous Waste from Supply Chains Integrated Programme in Trinidad and Tobago- Carnival and Fashion Industry.
- *Delegate* (May 2025) – IPBES workshop to reflect on scenarios and models to better account for different knowledge systems, including Indigenous and local knowledge systems, and Mother Earth-centric scenarios and models, (**Luzon, Philippines**)
- *Member* and COPE Representative: two Management and Advisory Committees (MAC) for Environmentally Sensitive Species (i) Avifauna and (ii) Herpetofauna (January 2025 to January 2026)
- *National Focal Point* to the Commission on Genetic Resources for Food and Agriculture dedicated to Aquaculture. United Nations (UN) Food and Agriculture Organization (FAO). 2024.

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- *Member* and COPE Representative: National Sargassum Task Force, appointed by Minister of Planning and Development, (July 2024 to July 2026).
- *National Focal Point:* Aquatic and Genetic Resources, FAO (2023 – present)
- *Member* and COPE Representative: National Council for Sustainable Development (NCSD) – Working Group for Priority Area 2 "Sustainably Managing Natural Assets" and Working Group for Priority Area 6 "Addressing Climate Change & Environmental and Natural Disasters"
- *Expert* (IPBES 10 and IPBES 13 Plenaries, 2024 to 2027)- IPBES Task force on Capacity Building. Attendee to the first meeting, **Trondheim, Norway,** 21st to 24th May.
- *Alternate Committee Member* (2024-ongoing)- National Steering Committee (NSC)- "Capacity development to catalyse actions and commitments at the national and global level to reduce plastic pollution including in the marine environment. Ministry of Planning and Development.
- *Delegate* (November 2022) – Workshop to catalyse the further development of scenarios and models for future IPBES assessments, including by using the Nature Futures Framework. Witwatersrand University Rural Facility (WRF), **South Africa.**
- *Council Member* (November 2020-2023, 2023-2026) – National Trust of Trinidad and Tobago
- *Head Judge* and Council of Presidents for the Environment (COPE) Representative (2020) – Green Leaf Award Committee, Environmental Management Authority (EMA).
- *Member* (2020 - 2023)- Upstream Effluent Management Working Group, Environmental Management Authority (**appointed by Minister of Planning and Development**) (COPE) Representative.
- *Representative* (2018)– UNDP/GEF Caribbean Large Marine Ecosystem (CLME) Project, Ecosystem Based Management Workshop-
- Trinidad for drafting the 'Sub Regional Project On The North Brazil Shelf Large Marine Ecosystem'**French Guiana (Guiane**)'.
- *Member* (2017)– Management of Hunting Steering Committee, Ministry of Agriculture, Lands and Fisheries.
- *Representative* – GEF Expanded Constituency Workshop, **Grenada,** May 2017, Trinidad and Tobago NGO representative- Civil Society Organization regional meeting, 'The Art of Knowledge Exchange' workshop- World Bank Group and GEF.
- *Chair* (2015 to 2017)– Tilapia Commodity Task Force (**appointed by Minister of Food Production**)
- Member (2012 to 2017)– Fish and Fish Processing Sector Advisory Committee, National Training Agency
- *Member* (2010 to 2013)–Freshwater working group of the Steering Committee for the Management of Invasive Alien Species (IAS) (under Fisheries Division - Ministry of Food Production, Land and Marine Affairs).
- *Representative* (2013) - Insular Caribbean Aquatic Invasive Species Risk Assessment Tool Training Course, 23rd to 26th April, 2013, Montego Bay, **Jamaica.** Funded by GEF UNEP
- *Representative* (2011) - 3rd Regional Consultation and IAS Legal Workshop, 21st -23rd March 2011, Nassau, **Bahamas**. Funded by GEF UNEP
- *Member* (2011) – Fish and Fishery Products Sub-Committee of the Food Advisory Committee, Ministry of Health

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- *Member* (2009) – Cascadura (*Hoplosternum littorale*) and Black River Conch (*Pomacea urceus*) Moratorium Committee, Fisheries Division, Ministry of Food Production.

PROFESSIONAL CONSULTANCIES

I have worked locally and regionally on 47 projects in the field of Aquatic Biology, Education and Biodiversity since December 2003. A list of selected projects follows.

Policy Review and Development

(1) *Consultant Biologist*: Technical Assistance To Enhance The Capacity Of The Forestry Department In Integrated Watershed Management Planning And Communications In The OECS Member States Of Saint Lucia. (May -June 2026).
(2) *Consultant Aquatic Biologist*: Assessment study for development of reuse standards in Trinidad and Tobago**: GEF CReW+ Project**, "An Integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Caribbean Region". Lead donor and the German Cooperation Agency (GIZ) (June – August 2021)

Project Co-ordination and compilation

(1) Consultant: Drafting of **IUCN** Red List assessments of freshwater molluscs native to Trinidad and Tobago. (November 2025- March 2026)
(2) *Technical External Reviewer*: National Outlook on Indigenous and Local Knowledge of Biodiversity, **UNESCO.** (October - November 2025).
(3) *Proposal Preparation Grant (PPG) Coordinator, National Consultant:* CC4FISH-II – GCP. **FAO, UN**. (June 2024 – September 2024)
(4) *Consultant*: Support the finalisation of the State of Protected and Conserved Areas Report for the Wider Caribbean (SoPACA), Biodiversity and Protected Areas Management **(BIOPAMA**) Programme, **IUCN**. (April -September 2021)
(5) *National consultant*: The **Intergovernmental Oceanographic Commission** (IOC) of **UNESCO** to support activities on Blue Economy and Marine Spatial Planning in Trinidad and Tobago. (October to November 2020).

Archaeology and Palaeontology

(1) *Biologist* (Mollusc taxonomy): Archaeological Excavation on Red House (**House of Parliament, Republic of Trinidad and Tobago**) Restoration Project, (May 2013).

Aquaculture (Regional and Local)

(1) *Technical Oversight Consultant* (March 2021- February 2022): Agricultural Development Bank (ADB), Trinidad and Tobago.
(2) *Aquaculture Expert* (July - December 2020): **FAO**
    a. preparation of a National Aquaculture Sector Overview (NASO) for Trinidad and Tobago. http://www.fao.org/fishery/countrysector/naso_trinidadtobago/en
    b. Preparation of fact sheet for cultured species – cascadura/atipa/hassar.
(3) *Aquaculture Specialist* (January 2018): National Stakeholders Consultation (for TCP/SLC/3601) - Towards a Caribbean Blue Revolution Aquaculture Sector Review: SWOT Analysis and Sector Development Plan- Department of Marine Resources, **St. Christopher and Nevis**.

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(4) *Internal Verifier* (March 2013 – August 2017): Aquaculture Operations (Tilapia Production) Level 1 and 2, Caribbean Vocational Qualification (CVQ), Re-training Programme, Youth Training and Employment Partnership Programme (YTEPP). Assessor Number: ASSES0566.

(5) *Aquaculture Researcher* (September 2007): Literature review and compilation of document: European Union's (EU) Recommendations for Aquaculture Production, (Appendix 5, pages 75 to 80 of the National Tilapia Industry Development Plan). Tilapia Commodity Committee, **Ministry of Food Production and Land and Marine Affairs, Trinidad and Tobago**.

Ecological Biodiversity Assessment (baseline and monitoring)

(1) *Senior Aquatic Biologist and Team Leader* (Eco Project Limited (EPL)): Aquatic faunal, mangrove and coastline characterization survey, Gran Chemin, Moruga Port Facility for **Rural Development Company** of Trinidad and Tobago Limited via for Coastal Dynamics Limited (CDL), Wet and Dry Season Evaluation. December 2016 to January 2017, March 2017 to May 2017.

(2) *Senior Aquatic Biologist and Team Leader* (EPL): **Petrotrin**'s Aquatic Faunal Survey For Environmental Sensitivity Map For Coastlines Between Point Lisas And Islote Point. September 2015 to April 2016.

(3) *Senior Aquatic Biologist and Team Leader* (EPL): Aquatic Survey Faunal Survey of the South Central LNE District, **Petrotrin Ltd**. September 2014 to January 2015.

(4) *Aquatic Biologist*: Macro-benthic faunal sampling and data collection for the Near Shore Area for **Atlantic LNG Ltd**., Point Fortin via Caribbean Industrial Research Institute (CARIRI). November 2013.

(5) *Aquatic Biologist and Team Leader* (CDL): **Atlantic LNG** Ltd of Trinidad and Tobago Provision of an Environmental Study for the Mangrove Area – GE Alternative Access Road (Point Fortin, Trinidad). April 2013.

(6) *Aquatic Biologist and Team Leader* (EPL): Aquatic Faunal Survey for Exploration and Production Developmental Works in Part of the South East District, Petroleum Company of Trinidad and Tobago Limited (**Petrotrin)**. August 2012.

(7) *Aquatic Biologist, Consultant* (CDL): Mangrove Monitoring Plan for the Galeota Marine Terminal and Fish Landing Facility, **National Energy Company of Trinidad and Tobago** (NEC). January 2010 to November 2011, May 2012, August 2012, December 2012, March 2013, June 2013, September 2013, December 2013.

(8) *Aquatic Biologist, Senior Consultant/Team Leader* (CDL): East Coast Renewal Project (ECR) Coastal Near shore and Inland Baseline Survey for **British Petroleum Trinidad and Tobago (BPTT)**, Guayaguayare. Wet (November 2009) and dry season (April 2010) survey. October 2010

(9) Aquatic Biologist Senior Consultant/Team Leader, (EPL): Aquatic Faunal Survey in the North Western District, **Petrotrin**. October 2009.

(10) *Aquatic Biologist, Senior Consultant* (Strategic Environmental Services Ltd (SESL)): Surveys and Assessment of Faunal Resources, Scott Quarry, Arima Valley. May 2009.

(11) *Aquatic Biologist, Senior Consultant* (SESL, CDL): Ecological Survey within the Mayaro-Guayaguayare Block, **Canadian Superior Energy Inc**. January 2009.

(12) *Specialist Consultant* (Marine Biology), (SESL., Rapid Environmental Assessment Ltd. (REAL)): Ecological and Biodiversity Assessment of Estuarine, Intertidal and Marine Environments at Point Lisas/Phoenix Park (Dry Season Report); (Including mangrove, river, coastal near shore and sea grass monitoring), NEC. January 2009.

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(13)*Specialist Consultant* (SESL.): Salybia Matura Water Project, Water and Sewerage Authority (WASA) of the Ministry of Public Utilities, (contracted under **Royal Haskoning Caribbean Ltd**.) (wet season). December 2008.

(14)*Aquatic Biologist*: Aquatic faunal study (wet season) for Environmental Impact Assessment for Extension of the Chaguaramas Public Golf Course, Northwest, Trinidad, **Chaguaramas Developmental Authority,** (CDA). November 2008.

(15)*Aquatic Biologist Specialist Consultant* (Ichthyology): Biodiversity Assessment of Estuarine, Intertidal and Marine Environments at Pointe-a-Pierre: Construction and Establishment of a Desalination Plant at Petrotrin's Pointe-à-Pierre Refinery, Petroleum Company of Trinidad and Tobago Limited. October 2008.

(16)*Aquatic Biologist*: Establishment of Regional Wastewater Plants and Associated Networks at Malabar and Maloney, Arima, Water and Sewerage Authority of Trinidad and Tobago (**WASA**). October 2008.

(17)*Aquatic Biologist*: Surveys and Assessment of Biological Environment, NGC Pipeline: Pointe-à-Pierre to Piarco National Gas Company (NGC), (contracted under Kaizen Ltd.). October 2008.

(18)*Specialist Consultant*: Salybia Matura Water Project, **WASA** of the Ministry of Public Utilities, (contracted by **Royal Haskoning Caribbean Ltd**.) (dry season). August 2008.

(19)*Specialist Consultant* (Marine Biology): Ecological and Biodiversity Assessment of Estuarine, Intertidal and Marine Environments at Point Lisas/Phoenix Park (Dry Season Report), **NEC**. May 2008.

(20)*Consultant* (Marine Biology): Eco-spatial and Biodiversity Assessment of Littoral, Wetland and Coastal Near shore Environments at Galeota Peninsula and Guayaguayare Bay, **NEC**. May 2008.

(21)*Specialist Consultant* (Ichthyology): Surveys and Assessment of Riverine Ecology of the Caparo River, WASA and the Ministry of Public Utilities (contracted by **Royal Haskoning Caribbean Ltd**.). February 2008.

(22)*Specialist Consultant* (Marine Biology): Ecological and Biodiversity Assessment of Estuarine, Intertidal and Marine Environments at Point Lisas/Phoenix Park. **NEC.** November 2007.

(23)*Specialist Consultant* (Marine Biology): Moruga Fishing Port and Associated Facilities at Gran Chemin: Eco-Spatial and Biodiversity Assessment of Estuarine, Intertidal and Marine Environments at Moruga. Ministry of Works and Transport. September 2007.

(24)*Aquatic Biologist*: Aquatic faunal study (dry season) for Environmental Impact Assessment for Extension of the Chaguaramas Public Golf Course, Northwest, Trinidad. CDA. June, 2007.

(25)*Aquatic Biologist*: Ecological Faunal Survey for an Environmental Impact Assessment of Central Block, Trinidad. **British Gas, (BGTT)**, (contracted under **Walsh Environmental, USA**). May 2007.

(26)*Specialist Consultant*: Ecological Surveys for an Environmental Impact Assessment for the Construction and Operation of a Polyethylene Manufacturing Plant at the Point Lisas Industrial Estate Claxton Bay, Trinidad. Westlake (Trinidad) Unlimited. November 2006.

(27)*Specialist Consultant*: Comprehensive Ecological and Coastal Sensitivity Survey: Galeota Peninsula and Guayaguayare Bay, Southeast Trinidad. **British Petroleum Trinidad and Tobago LLC (BP TT).** September 2006.

(28)*Specialist Consultant*: Ecological Surveys for Proposed Highway Alignment: St. Mary's Junction to Point Fortin, Southwest Trinidad. Phase II Report (Wet Season Surveys and Comparative Analysis). Ministry of Works and Transport. October 2006.

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(29)*Specialist Consultant*: Ecological Surveys For Proposed Highway Alignment: St. Mary's Junction to Point Fortin, Southwest Trinidad. Phase I Report (Literature Review and Dry Season Survey). **Ministry of Works and Transport**. July 2006.

(30)*Specialist Consultant*: Surveys and Assessment of Biological Environment: Proposed Mamoral Dam and Related Infrastructure, Carr Mamoral Trace, Caparo. National Infrastructure Development Company, (contracted under **Royal Haskoning Caribbean Ltd**.). (January 2006).

(31)*Specialist Consultant*: Baseline Ecological Assessment for Proposed Highway Alignment from San Fernando to Princes Town, South Trinidad. **Ministry of Works and Transport.** January 2006.

(32)*Project Scientist*: Natural Ecology Baseline Assessment: Literature Review and Ground-truthing Surveys for Point Fortin West Site, Cap-de-Ville. **NEC**. (December 2004 and May 2006).

(33)*Fish Biologist*: Aspects of the Biodiversity of Guayaguayare Bay, Southeast Trinidad. **BP Trinidad and Tobago LLC**. (January 2004).

CIVIL SOCIETY ORGANIZATION and INTERNATIONAL AFFILIATIONS

- Caribbean Aqua-producers Association – Member of the Board of Directors (2023- present)
- Environment Tobago – *Member* (2007- 2021)
- Naturing Nature Trinidad and Tobago Coalision – *Advisor* (2018 – present)
- Aquaculture Association of Trinidad and Tobago Multipurpose Co-operative Society Limited (aQua-TT MCSL) – *President*
- Aquaculture Association of Trinidad and Tobago (aQua-TT) – *Vice President, member since 2003*
- Environmental Research Institute Charlotteville (ERIC), Tobago – *Secretary* (2017- 2023)
- The National Trust of Trinidad and Tobago – *Lifetime member, Landmarks (Natural and man-made) Sub-committee* (Council member, 2020 -2023, 2023-2026)
- The University of the West Indies Alumni Association (Trinidad and Tobago Chapter) – *Lifetime member*
- Council of Presidents for the Environment – *Member*
- Pointe A Pierre Wild Fowl Trust- *Member*

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SECTION 3: REFERENCES

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