



5/17/2021

Judith Gobin Curriculum Vitae



Judith Gobin

THE UNVERISTY OF WEST INDIES, ST AUGUSTINE, TRINIDAD

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GENERAL INFORMATION

Name: Judith F. Gobin

Date of Birth: 30th September 1958

Department: Life Sciences, Faculty of Science and Technology

Academic Specialisation: Marine Biology (Senior Lecturer)

Qualifications: **1982-** BSc. Zoology and Botany, Natural Sciences, UWI St. Augustine

1988- MPhil., Biological Sciences, UWI St. Augustine

1994- PhD., Dept. of Biological Sciences, University of Exeter, UK

TRAINING

2013 Certificate (with *distinction*) in University Teaching and Learning (CUTL), University of the West Indies, St. Augustine, Trinidad. Centre for Teaching Excellence and Learning.

2013 Environmental adjudication and Judicial Writing Course (Judicial College, University of Nevada, Reno).

2010 Certificate in On-line teaching, Edulink, University of the West Indies, St. Augustine, Trinidad. Centre for Teaching Excellence and Learning.

2005 Certificate in Mediation (completed 40-hr course), **2005** Mediation Training (40hrs). Chamber of Commerce, TT.

2002 to 2010: Attended/participated in the following Instructional Development Unit (IDU), UWI workshops:

Active Learning Strategies: Case Studies

Active Learning Strategies: Effective Discussions

Active Learning Strategies: Student Presentations

Making the Most of Technology: Nuts & Bolts of Online Learning/Preparing Your Course for Online Learning

Making the Most of Technology: Nuts & Bolts of Online Learning/Preparing Your Course for Online Learning

Using Case Studies in Teaching

Writing Exam Questions

Graduate Supervision Workshop

Camtasia workshop

REFEREED PUBLICATIONS

JOURNAL MANUSCRIPTS (IF- Impact Factor, C-Citations)

2021. Rogers, A.D., Baco-Taylor, A., Escobar-Briones, E.G., Gjerde, K.M., **Gobin, J.**, Jaspars, M., Levin, L.A., Linse, K., Rabone, M., Ramirez-Llodra, E.R., Sellanes, J., Shank, T.M., Sink, K.J., Snelgrove, P., Taylor, M., Wagner, D and Harden-Davies, H. Marine Genetic Resources in Areas Beyond National Jurisdiction: Promoting Marine Scientific Research and Enabling Equitable Benefit Sharing. *Front. Mar.Sci* | doi: 10.3389/fmars.2021.667274

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2020. Collins, E, J., Rabone, M., Vanagt, T., Amon, J. D., **Gobin, J.**, and Huys, I. Strengthening biological collections: recommendations for a new agreement for biodiversity beyond national jurisdiction. *ICES Journal of Marine Science*, doi:10.1093/icesjms/fsaa227.

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2020. Ali, Lauren, Grey, Elisabeth, Singh, Delezia, Mohammed, Azad, Tripathi, Vripathi, **Gobin, Judith**, Ramnarine, Indar. An evaluation of the public's Knowledge, Attitudes and Practices (KAP) in Trinidad and Tobago regarding sharks and shark consumption.

PLOS ONE .<https://doi.org/10.1371/journal.pone.0234499>. June 9, 2020

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2020. Cruz-Motta, Juan J, Miloslavich, Patricia, Guerra-Castro, Edlin, Hernández-Agreda, Herrera, C, Barros, Francisco, Navarrete, A Sergio, Sepúlveda, D Roger, Glasby, M Tim, Bigatti, Gregorio, Calle-Cardenas, Maritza, Carneiro, B. M Pedro, Carranza, Alvar, Flores, A.V. Augusto, Gil-Kodaka, Patricia, **Gobin, Judith**, Gutiérrez, L Jorge, Klein, Eduardo, Krull, Marcos, Lazarus, F Juan, Londoño-Cruz, Edgardo, Lotufo, Tito, Macaya, C Erasmo, Mora, Camilo, Mora, Elba, Palomo, Gabriela, Palomo, Parrague, Mirtala, Pellizzari, Franciane, Retamales, Roberto, Rocha, M Rosana, Romero Leonardo. *Journal of Biogeography*. Latitudinal patterns of species diversity on South American rocky shores: Local processes lead to contrasting trends in regional and local species diversity. 2020, 00:1-14. DOI:10.1111/JBI.13869.

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https://www.researchgate.net/publication/342177899_Latitudinal_patterns_of_species_diversity_on_SA_rockyshores_Cruz-Motta_et_al_2020

2018. Cordes, Erik E, Jones, Daniel O B, Schlacher, T, Amon, Diva J, Bernardino, Angelo F , Brooke, Sandra, Carney, Robert, DeLeo, Danielle M, Dunlop, Katherine M, Escobar-Briones, Elva G , Gates, Andrew R, Genio, Luciana, **Gobin, Judith**, Henry, Lea-Anne, Herrera, Santiago, Hoyt, Sarah Joye, Mandy, Kark, Salit, Mestre, Nelia C, Metaxas, Anna, Pfeifer, Simone, Sink, Kerry, Sweetman, Andrew K, Witte, Ursula. Environmental Impacts of the Deep-Water Oil and Gas Industry Renewable Resources Journal / Vol. 32, No. 4, pp.8-19.

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2017. Amon DJ, **Gobin J**, Van Dover CL, Levin LA, Marsh L and Raineault NA. Characterization of Methane-Seep Communities in a Deep-Sea Area Designated for Oil and Natural Gas Exploitation Off Trinidad and Tobago. Front. Mar. Sci. 4:342, pp1-16.doi: 10.3389/fmars.2017.00342.

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2017. A cryptic invasion in the Western Atlantic: Presence of the fouling barnacle *Megabalanus zebra* (Darwin, 1854) (Crustacea, Cirripedia) in the Caribbean Sea. Pitombo, F.B, **Gobin, J.F**, Abreu, N.M. and Jute, A. Zootaxa. 4237(1): 131-153
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2016. Melissa A Atwell, Mark N Wuddivira and **Judith F Gobin**. Abiotic water quality control on mangrove distribution in estuarine river channels assessed by a novel boat-mounted electromagnetic induction technique. Water Research Commission (WRC), Published under a Creative Commons Attribution Licence <http://dx.doi.org/10.4314/wsa.v42i3.04> Available on website <http://www.wrc.org.za> ISSN 1816-7950 (Online) = Water SA Vol. 42 No, pp 399-407. **IF:** 0.0570, **C:** 9

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2015. KK La Daana, **JF Gobin**, DM Beckles, B Lauckner and A Mohammed. Polycyclic aromatic hydrocarbons (PAHs) in *Crassostrea rhizophorae* and *Cathorops spixii* from the Caroni Swamp, Trinidad, West Indies. Environmental Science and Pollution Research 22 (2), pp1366-1379. **IF:** 2.741 **C:** 9

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2013. Patricia Miloslavich^{1*}, Juan Jose´ Cruz-Motta¹, Eduardo Klein¹, Katrin Iken², Vanessa Weinberger³, Brenda Konar², Tom Trott⁴, Gerhard Pohle⁵, Gregorio Bigatti⁶, Lisandro

Benedetti-Cecchi⁷, Yoshihisa Shirayama⁸, Angela Mead⁹, Gabriela Palomo¹⁰, Manuel Ortiz¹¹, **Judith Gobin**¹², Adriana Sardi¹, Juan Manuel Di'az¹³, Ann Knowlton², Melisa Wong¹⁴, Ana C. Peralta¹. Large-Scale Spatial Distribution Patterns of Gastropod Assemblages in Rocky Shores. PLoS ONE 8(8): e71396, pp1-13. doi:10.1371/journal.pone.0071396.

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CHAPTERS IN BOOKS

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2021. Chapter 7B Biogenic reefs and sandy, muddy and rocky shore substrates. *In:* The Second World Ocean Assessment Vol 1. P.270-287. Ronaldo Christofolletti and Judith Gobin (joint conveners), Frédéric Guichard, Sergiy Medinets, Evangelina Schwindt and Julia Sigwart.

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2021. Chapter 6B Marine invertebrates. *In:* The Second World Ocean Assessment Vol 1. P.141-159. Lis Lindal Jørgensen (convener), Christos Arvanitidis, Silvana N.R.

Birchenough, Malcolm R. Clark, Igor Cristino Silva Cruz, Marina Cunha, Alan Deidun, **Judith Gobin**, Maruf Hos-sain, Ana C.M. de Jesus, Carmen Mifsud, Khac Bat Nguyen, Chul Park (chapter lead member), Rachel Przeslawski, Jake Rice, Lennert Schepers, Paul Snelgrove, Natalia Strelkova and Leen Vandepitte.

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2014 NIHERST (National Institute for Higher Education, Research, Science and Technology) Julian Kenny Award for Science (Silver)

2014 Certificate (with *distinction*) in Teaching and Learning (CUTL), University of the West Indies, St. Augustine, Trinidad. Centre for Teaching Excellence and Learning.

PAPERS PRESENTED

AT ACADEMIC CONFERENCES, SEMINARS OR WORKSHOPS

2017. 6th International Symposium on Chemosynthesis-Based Ecosystems at Woods Hole Oceanographic Institution AUG 27 – SEP 1 2017 Woods Hole, Mass. USA - Diva Amon (*presenter*) and **Judith Gobin**: Characterisation of deep-sea communities in an area designated for oil and natural-gas exploitation off Trinidad and Tobago - <https://cbe2017.org/wp-content/uploads/sites/84/2016/10/CBE6-Program.pdf>

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2003- “Marine Protected Areas –St. Lucia and Belize” presented at the Meeting of the Association of Island Marine Laboratories of the Caribbean (AIMLC), hosted by the **Institute of Marine Affairs.**
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2000- “Marine and coastal worms (Annelida) of Trinidad and Tobago” to Field Naturalist Club of **Trinidad and Tobago**.

1999- Status report on “intellectual property rights in Trinidad and Tobago”; as Trinidad and Tobago’s representative (on behalf of NIHERST) at workshop in **New Delhi, India**, on “*Intellectual Property Rights, a meeting for Scientists*”.

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1998. Ministry of Agriculture, Lands and Marine Resources, FAO/IADB Irrigation Project. *Environmental expert Gobin, J.* (Jointly with Prof. Peter Bacon, UWI) attached to the Agriculture Sector Investment Program (ASIP), *Prepared and submitted the entire EIA and the EMP.*

BENTHIC ECOLOGY REPORTS (CONSULTANCIES)

2017 Gobin, J. Benthic Ecology Sections of Document prepared by Coastal Dynamics Ltd.

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2001 Environmental Baseline Study Report for BP-AMOCO. **Gobin, J.** Benthic Ecology Section of a document prepared and submitted by Ecoengineering Consultants Ltd.

2001 Extension of EIA for Point Ligoure Development of Venture Production (Trinidad) Ltd. **Gobin, J.** Benthic Ecology Section of a Document and submitted by Ecoengineering Consultants Ltd.

2001 EIA for Project Trinidad Gas Transportation System Expansion for BP Energy Company, Trinidad and Tobago. **Gobin, J.** Benthic Ecology Section of a Document prepared and submitted by Ecoengineering Consultants Ltd.

2001 EIA for the Petrotrin Venture Project. **Gobin, J.** Benthic Ecology section in a document prepared and submitted by Ecoengineering Consultants Ltd.

2001 EIA for Exploratory Drilling in East Coast Block 27 (Catfish Well) for BP-AMOCO, Trinidad and Tobago. **Gobin, J.** Benthic Ecology Section of a Document prepared and submitted by Ecoengineering Consultants Ltd.

2000 EIA for the Coral Sands Development Project, Tobago. **Gobin, J.** Benthic Ecology Section of a document prepared by Ecoengineering Consultants Ltd.

1999 San Fernando Harbour development Project. Phase 1, Reclamation. **Gobin, J.** Biological (benthic and fisheries) assessment- section in a document prepared for Lee Young and Partners. 1999.

1999 EIA for the Desalination Project (DESALCOTT). **Gobin, J.** Benthic ecology section in document prepared and submitted by EcoEngineering).

1999 EIA for Coastal Works at Point Fortin, for Atlantic LNG. **Gobin, J.** Benthic ecology section in document prepared and submitted by Ecoengineering.

1998 Environmental Impact Statement for Trinidad Cement Limited (TCL). **Gobin, J.** A report on the Biological (benthic and fisheries) assessment of the study area, for Lee Young and Partners.

1998 An Environmental Impact Statement on the effects of Siltation in the area of Atlantic LNG, Point Fortin, **Gobin, J.** Benthic Ecology Section of a report prepared for Atlantic LNG, Point Fortin, by CANE and Associates Ltd.

1998 Gobin, J. Benthic Survey of the dredging and disposal site at Point Lisas, 1998. Section in a Document prepared for Phoenix Gas Processors Ltd (through Ecoengineering Ltd.) by Coastal Dynamics Oceanographics Consultants.

BENTHIC ECOLOGY REPORTS (while employed at the Institute of Marine Affairs)

1998 Environmental Baseline Review for a proposed gasline for North Coast Marine area 1 to Point Fortin . **Gobin, J.** Benthic Ecology Section of a report prepared for British Gas Trinidad and Tobago Limited by Institute of Marine Affairs.

1998 Project Leader (**Gobin, J.**) and Benthic ecologist for - A Programmatic EIA for the expansion of the Point Lisas Industrial Estate, North area. A report prepared by the Institute of Marine Affairs for PLIPDECO. 5 Volumes

1997 McShine, H., Maharaj, R., Goodridge, A., Alleng, G., Lee Lum, L., Teelucksingh, F., Sudama, L., Lum Kong, A., **Gobin, J.**, James, L. and Bibby, R. Final Report: Environmental Impact Statement for Two Exploratory Gas Wells in the Hibiscus Block of the North Coast Marine Area, Trinidad. 153pp.

1997 Manwaring, G., Alleng, G., **Gobin, J.**, Gopaul, N., Lum Kong, A., Maharaj, R., O'Brien-Delpesh, C and Sudama, L. Draft final Report for Environmental Baseline Review for the Point Lisas Aluminium Smelter Feasibility Study at Point Lisas, Trinidad. 83pp.

1997 Environmental Surveys for the Design and Construction of an Artificial Reef 1997. A Document prepared for TRINMAR Ltd. by Coastal Dynamics Oceanographics Consultants.

1996 Agard, J. and **Gobin, J.** Marine Baseline Surveys for the EIA for AMOCO Trinidad Oil Company LNG Upstream Development Project. Benthic Data. Document prepared for Continental Shelf Associates, Inc. Institute of Marine Affairs Technical Advisory Services Report. 28 pp.

1996 McShine, H., Agard, J., Alleng, G., Bautil, B., **Gobin, J.**, Hubbard, R., James, L., Kumarsingh, K., Lum Kong, A., Maharaj, R., Neale, D., O'Brien-Delpesh, C., Persad, D., Rajkumar, W. and Sturm, M. Marine Baseline Surveys for the EIA for AMOCO Trinidad Oil Company LNG Upstream Development Project - Wet Season Data. Document prepared for Continental Shelf Associates, Inc. Institute of Marine Affairs Technical Advisory Services Report. 153 pp.

1996 McShine, H., Agard, J., **Gobin, J.**, Neale, D., O'Brien-Delpesh, C. and Rajkumar, W. Draft Final Report: Marine Baseline Studies Component of the Environmental Impact Assessment for the proposed LNG Production Plant and Marine Loading Facility at Point

Fortin, Trinidad. Document prepared for Atlantic LNG Company of Trinidad and Tobago. Institute of Marine Affairs Technical Advisory Services Report. 106 pp.

1996 McShine, H., Agard, J., **Gobin, J.**, Neale, D., O'Brien-Delpesh, C. and Rajkumar, W. Final Report: Marine Baseline Studies Component of the Environmental Impact Assessment for the proposed LNG Production Plant and Marine Loading Facility at Point Fortin, Trinidad. Document prepared for Atlantic LNG Company of Trinidad and Tobago. Institute of Marine Affairs Technical Advisory Services Report. 107 pp.

1996 McShine, H., Alleng, G., **Gobin, J.**, Neale, D. and Persad, D. Environmental Impact Assessment of the Disposal of Effluent from the Tank Farm at TRINMAR, Point Fortin. Document prepared for TRINMAR Limited. Institute of Marine Affairs Technical Advisory Services Report. 42 pp.

1996 McShine, H., Neale, D., O'Brien-Delpesh, C., Rajkumar, W. and **Gobin, J.** Environmental Assessment for the Offshore Disposal of Dredged Spoil for Document prepared for Atlantic LNG Company of Trinidad and Tobago. Institute of Marine Affairs Technical Advisory Services Report. 107 pp.

1995 McShine, H., Neale, D., Alleng, G., Bullock, C., Chen, J., Gobin, J., Gopaul, N., Hubbard, R., Hudson, D., James, L., O'Brien-Delpesh, C., Rajkumar, W., Teelucksingh, F. and Williams, E. Draft Final Report: Environmental impact statement for Port Expansion Project St. George's Port, Grenada. Document prepared for the Grenada Ports Authority. Institute of Marine Affairs Technical Advisory Services Report. 116 pp.

1995 McShine, H., Neale, D., Alleng, G., Bullock, C., Chen, J., **Gobin, J.**, Gopaul, N., Hubbard, R., Hudson, D., James, L., O'Brien-Delpesh, C., Rajkumar, W., Teelucksingh, F. and Williams, E. Draft Final Report: Environmental impact statement for Port Expansion Project St. George's Port, Grenada. Document prepared for the Grenada Ports Authority. Institute of Marine Affairs Technical Advisory Services Report. 117 pp.

1995 Neale, D., McShine, H., Alleng, G., Chen, J., **Gobin, J.**, Hubbard, R., James, L., Rajkumar, W. and Teelucksingh, F. 1995. Interim Report: Environmental impact assessment for Port Expansion Project St. George's Port, Grenada. Document prepared for the Grenada Ports Authority. Institute of Marine Affairs Technical Advisory Services Report. 49 pp.

1995 Teelucksingh, F., Gobin, J. and Rajkumar, W. 1995. Final Report: Marine environmental surveys for the environmental impact assessment for the ammonia plant at La Brea, Trinidad. Document prepared for the M. W. Kellogg Company. Institute of Marine Affairs Technical Advisory Services Report. 40 pp.

PUBLIC SERVICE

2010- 2015: Chair, **Asa Wright Nature Centre Board**

2005-2008; and 2008 and ongoing: Member, Asa Wright Nature Centre Board

<http://asawright.org/awnc-board-bios/>

2013 to present: Member, the **Board of the Buccoo Reef Trust.**

2013- 2016 and 2000 to 2006: Member, the **Environmental Commission (Court of T&T)** (part-time) for period May 2013 to May 2016

<http://www.ec.gov.tt/index.php/about-us/members-of-the-commission>

2009 and on-going: Member, National Steering Committee for **National Ballast Water Project**

2009 and ongoing. Member, National Task Force for the implementation of the **GEF Global Ballast Water Management Project**

2011 and ongoing. Member, **Biodiversity Assessment Committee of the** Environmental Management Authority (EMA). Representing the Faculty of Science and Agriculture.

2010 and ongoing. **CARICOM** representative at a number of scientific meetings.

2010 -2013. Member (alternate to Dr. M. Mycoo), **UNDP GEF National Steering Committee.** TTBS National Mirror Committee, ISO 2600 –Social responsibility.

1997-2000; and 2000-2003: Member (Cabinet appointed) of the **Lands and Survey Board of Trinidad and Tobago**

2000-2002: Member (Cabinet appointed) of the **Board of Governors of the Institute of Marine Affairs, Trinidad and Tobago**

2000: Member of Committee for the Recruitment of Technical Staff for the Ministry of the Environment

1994 to 1998: Member of the Marine Pollution Compensation Committee, Maritime Services Division, Ministry of Works and Drainage Division.

OTHER PROFESSIONAL ACTIVITY AND EXPERIENCE

2016 and ongoing: *Reviewer* for *Frontiers in Marine Science: Deep-Sea Research.*

<https://www.frontiersin.org/journals/marine-science#>

2011 to 2014: *Editor* for Supplement of Living World, Journal of the Field Naturalists' club of Trinidad and Tobago. Proceedings of 4 Post Graduate Research Symposia held in the Dept. Life Sciences.

2016: *Reviewer* for Netherlands Ministry for Education, Culture and Science (OCW) funded the NWO-programme Caribbean Research. The NWO-division Earth and Life Sciences (ALW) through this Caribbean programme (a multidisciplinary approach) aimed at strengthening the scientific knowledge base on the Caribbean islands of the Kingdom of the Netherlands.

2011 and ongoing : *Reviewer* for Living World : Journal of the Trinidad and Tobago Field Naturalists' Club.

2011. *Reviewer* for Book: Qatar polychaete book

https://www.researchgate.net/publication/301788465_Guide_to_Polychaetes_Annelida_in_Qatar_Marine_Sediments

2013 and ongoing: Appointment to the **Regional Steering Committee of the Marine Mammal Conservation** Corridor for Northern South America (MamaCocoSea) project. To co-ordinate actions and help implement decisions.

2015- 2017. Appointment to the **Pool of Experts of the Intergovernmental Science-Policy platform on Biodiversity and Ecosystem services (IPBES)** through the Ministry of Environment (now Planning) of Trinidad and Tobago to the United Nations. Contributed to the IPBES Chapter 3 (see Publication *in prep*).

2012- 2014. Appointment to the **Pool of Experts of the Regular Process through the Permanent Mission of Trinidad and Tobago** to the United Nations. Contributed to the World Oceans Assessment Report (see Publications).

2010 to 2015: Member, **GEF - UNEP IAS Project Marine Working Group** National Coordinator , UNEP-GEF Project, Ministry of Food Production, Land & Marine Affairs

2010 to 2013. Member of the **Editorial Board of the Caribbean Marine Studies Journal** (Institute of Marine Affairs).

2009 and ongoing. UWI's liaison officer for the **Environmental Management Authority (EMA)**.

2000-2010. Member of Advisory Committee, **Environmental Studies Dept., College of Science and Technology and Applied Arts of Trinidad and Tobago (COSTATT)**. Contributed to the Development of curricula for undergraduate courses in the *Environmental Management Associate Degree*. Course Titles: *Environmental Measurements/ Environmental Impact Assessment, Wetlands and Coastal Zone Management, Introduction to Marine and Terrestrial Biology, Conservation Principles*

External Examinership:

2015. J.Gobin. External examiner of PhD Research Thesis: Investigations of the Interesting behaviours of the hawksbuill turtle (*Eretmochelys imbricata*) in Barbados, West Indies, with suggestions for conservation of critical inter-nesting habitats. Candidate: Mr. Julian Andre Walcott (PhD Ecology, UWI, Cavehill Campus). **Degree awarded 2015.**

1997. J.Gobin. External examiner of MPhil. Research Thesis: "Use of Meiofaunal Communities in Ecological Monitoring in Discovery Bay, A pristine tropical embayment". (Ms. Aria Johnson). UWI. Mona Campus, Jamaica)/ Centre for Marine Sciences. **Degree awarded.**

ONGOING RESEARCH

Caribbean Deep-sea environments- analyses of the material from the 2 deep sea cruises with the EV Nautilus in 2013 (Grenada) and 2014 (Grenada and Trinidad and Tobago).

Marine Biodiversity- (benthos) of *Rocky shores, soft-bottom sediments* and *Deep sea*. Continuing links with: South America Research Group on Coastal Ecosystems (SARCE) - <http://sarce.cbm.usb.ve/judith-gobin/>; Census of Marine Life- https://sta.uwi.edu/uwitoday/archive/december_2010/article23.asp <http://www.comlmaps.org/mcintyre/ch2>; List of participants in CoML(Judith Gobin page 25) <http://www.coml.org/comlfiles/partner2010/Census%20of%20Marine%20Life%20Participants.pdf>; NaGisa - ftp://ftp.nodc.noaa.gov/pub/data.nodc/coris/library/NOAA/other/nagisa_annual_accomplish_report_2006.pdf

Marine benthic Biodiversity- industrial (oil and gas exploration) impacts

Marine Invasive Species- study of ships Ballast Waters with PhD student Alana Jute

Research Grants

2015 Campus Research and Publication Fund Committee Grant 2015 of TT\$45,000. Documentation of the Coastal Zones of Trinidad and Tobago- using drone surveys. (**J. Gobin** and N. Kerstig).

2011 Campus Research and Publication Fund Committee Grant 2011 of TT\$33,000 on behalf of Ms. La Daana Kanhai for analyses of biota samples for heavy metals and PAHs (**J. Gobin**, D. Beckles and A. Mohammed).

2009/2010 GAME Project grant **2009/2010** (approx. \$80,000.00 TT) for MPhil student – funded by University Kiel, Germany. Student Mr. Anil Harry completed project.

2008 UWI Research and Publication Grant **2008**: Marine Invasive Species (MIS) Project. (\$ 33,000.00 TT).

2000 to 2003 and **2003 to 2005**

Co-applicant for DFID projects R8135 (**2000 to 2003**) and R8325 (**2003 to 2005**). Project Leader. Prof. Dennis Pantin, SEDU. (approx. \$1,000,000.00 TTD).

POSTGRADUATE RESEARCH AND SUPERVISION

PhD. Jute, Alana. An Investigation into Ships' Ballast Waters in Trinidad and Tobago. Supervisor-**J.Gobin**

MPhil. Ms. Rachael Amoroso. An investigation into coral diseases in Tobago's reefs. Supervisors-**J.Gobin** and A. Ramsuhag

MPhil. Ali, Lauren. An Investigation of the Shark Fishery in Trinidad and Tobago. Supervisor: **J.Gobin** and I. Ramnarine.

MPhil. Atwell, M.A. 2015. Spatial and temporal variability of soil and water quality parameters in relation to vegetation zonation in a tropical estuarine swamp, UWI Thesis. Supervisors: Mark Wuddivira and **J.Gobin**.

<http://uwispace.sta.uwi.edu/dspace/handle/2139/11/discover?query=Melissa+Atwell&submit=Go>

MPhil. Kanhai, LK. 2013. Metal and Polycyclic aromatic hydrocarbon (PAH) contamination in the Caroni Swamp, Trinidad, West Indies, UWI Thesis. Supervisors: **J.Gobin**, A.Mohammed and D. Beckles.

<http://uwispace.sta.uwi.edu/dspace/handle/2139/11/discover>

MSc. (with distinction) **2016.** Rampaul, M. An Assessment of the Marine Resources of Macqueripe Bay, Trinidad W.I. Supervisor: **JGobin** (Biodiversity and Tropical Management (Dept. Life Sciences).

A number of **MScs** within the Management of Tropical Ecosystems (Dept. Life Sciences) **2002-2008**, (Degrees awarded).

3 MScs in Environmental Engineering (Dept. of Civil Engineering) **2004-2009** (Degrees awarded).

TEACHING AND RELATED EXPERIENCE

Teaching

Course co-ordinator/First Examiner and *Lecturer* in **Marine Ecology and Oceanography (BIOL 3063)** (previously 100% responsibility, 80% since 2016 to 2018 (Dep.Dean).

Course co-ordinator/ First Examiner and *Lecturer* in **Coastal Ecosystems Management (Biol 3461)** (100% responsibility).

Course co-ordinator and *Lecturer* in **Environmental Impact Assessment (ESST 3102)** (100% responsibility)

Course co-ordinator and *Lecturer* in Bioethics () (100% responsibility)

Course co-ordinator/ First Examiner and *Lecturer* in **Science Communication (ESST 1004)** *Guest Lecturer* – **Research and Practical skills** (Biol 3469), The Ecology of Humans (BIOL 3068)

Co-ordinator of the **Marine Sciences Specialisation** (100% responsibility)-which consists of 15 credits (5 courses): Marine Ecology, Coastal Ecosystems Management, Fisheries Biology, Aquaculture and Coral Reef Ecology

First Examiner in **Aquaculture** (BIOL 3970) and **Caribbean Island Ecology and Biogeography** (BIOL3070)

Previously lectured in:

Environmental Law (20%),

Benthic Ecosystems and Coastal Ecosystems (50%) in the MSc Tropical Ecosystems Management and Biodiversity (Dept. Life Sciences)

Previously lectured in Lands and Surveys Dept. (now Geomatics and Information) in the MSc Program (100%- 1 Module).

Curriculum Development

2015 : Development of Marine Sciences Specialisation: Proposed, prepared and finalized a Marine Sciences Specialisation (within the existing Biology Degree). This commenced September 2015 and comprises 5 courses (15 credits in total): Marine Biology and Oceanography, Caribbean coral reefs (new course), Sustainable Fisheries Management, Aquaculture and Coastal Ecosystems Management.

2015: Development of new MSc Course (Marine Invasives): Jointly developed (with Dr. Dayne Buddo Mona Campus and SUNY University group) this course commenced in September 2015 at Mona Campus, UWI, Jamaica.

2014. Developed (consultancy) a new MSc Course for Open Campus, UWI (on-line). Program: MSc. In Sustainable Development for Small island States. Module title: Integrated Coastal Zone Management (ICZM). Commenced: Sept. 2015.

2000-2010: Contributed to the **Development of curricula for undergraduate courses in the Environmental Management Associate Degree** within the Environmental Studies Dept., College of Science and Technology and Applied Arts of Trinidad and Tobago (COSTATT). Revised the following courses: *Environmental Measurements/ Environmental Impact Assessment, Wetlands and Coastal Zone Management, Introduction to Marine and Terrestrial Biology, Conservation Principles.*

2001: Contributed (Lectured and course material preparation) (20%) to a **Professional Development Programme (with Faculty of Engineering):** Coastal Infrastructure Design, Construction And Maintenance A Course In Coastal Zone/Island Systems Management Chapter 10 Environmental Impact Assessment
https://www.monroecollege.edu/uploadedFiles/_Site_Assets/PDF/Coatsal%20Development.pdf

Undergraduate Research Supervision (Final yr. Projects)

Inglefield, S. **2014.** Dolphin surveys of the Gulf of Paria. Research Project BIOL 3069

Germain, J. **2014**. Heavy Metals (Lead, Cadmium and Zinc) in *Donax variabilis* “Chip-Chip”. Research Project BIOL 3069

Keston, F. **2010**. Stomach contents of fish. Research Project BIOL 3069

Avril, Mia. **2009**. Macrobenthos of 2 sandy beaches in Trinidad and Tobago. Research Project BIOL 3069

Jute, A. **2008**. Macrofaunal colonization of recreational and commercial vessels at a marina in Chaguaramas. Research Project BIOL 3069

Gonzales, R. **2008**. Bacteria in *Perna viridis* from Trinidad. Research Project BIOL 3069

CONTRIBUTIONS TO DEPARTMENT OF LIFE SCIENCES (DLS)

2018 to 2021: Head, Dept. of Life Sciences

2010 to 2015: Co-Chair, DLS Research Symposium Committee

2013 to 2015: Member, Postgraduate Committee, DLS

2011 to 2014: DLS’s Time Table Committee Rep.

2008 to 2011: Coordinator of Demonstrators/Teaching Assistants in the Dept. of Life Sciences (DLS)

UNIVERSITY SERVICE (EXTRA-DEPARTMENTAL)

2016/17, 2017/18

Deputy Dean, Faculty of Science and Technology (FST)

2016/17, 2017/18

Member, Management Committee, Faculty of Science and Technology (FST)

2016/17, 2017/18

Member, UWI Academic Board Sub-Committee on Student Matters (ABSCOSM)

2016/17

Chair of the Faculty’s (FST) Research Symposium Committee (2016/17).

2014 - 2015

Member, UWI Academic Board

2012 and ongoing

Member, FST’s Environmental Committee

2010 and ongoing

Member, UWI Campus Environmental Committee

2008- 2009

Member, Board of Studies, Gender & Development Studies

OTHER WORK EXPERIENCE

1995- 1998 Officer in Charge, Institute of Marine Affairs (IMA)

1989 to 1994 (Full-time PhD Study , at Plymouth Marine Laboratory/University of Exeter)

1986-1989, Research Officer, Environmental Quality Research Program, Institute of Marine Affairs (IMA)

1990-1992, Post-Graduate Demonstrator , University of Exeter, UK.

1991 (1 semester), Teaching Asst., Biol. Sci. Dept. UWI, St. Augustine.

1984- 1989 Jnr. Res. Officer, Institute of Marine Affairs (IMA)

1982-1984 Res. Asst., Institute of Marine Affairs (IMA)