

Nasseer Idrisi
Curriculum Vitae
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Education:

- Ph.D.** State University of New York, College of Environmental Science and Forestry, August 1997 (Advisor: Donald J. Stewart). Dissertation (Limnology): Impact of the zebra mussel (*Dreissena polymorpha*) on the lower trophic levels of a large shallow eutrophic lake.
- M.S.** Marine Science Centre, University of Basrah, Basrah, Iraq: Programme in Biological Oceanography, 1989 (Advisor: Salman D. Salman). Thesis: Production and partial energy budget of the early ontogenetic stages of *Caridina babaulti basrensis* (Al-Adhub and Hamzah, 1987) (Decapoda, Atyidae) in the Shatt al-Arab river system.
- B.S.** College of Science, University of Basrah: Department of Biology, Aquatic Biology (Specialization), 1984 (with High Honors, ranked 3rd overall in the College of Science).
- HSD** Schutz American School, Alexandria, Egypt, College Prep High School Diploma, 1979.

Employment History:

- Mar 2017-current Adjunct Professor – Marine Science Centre, University of Basra, Basra, Iraq. Responsibilities include proposal development and program/project management in the marine sciences.
- Jun 2015-current Adjunct Faculty – United States University. Teaching: Physical Geography (GEO 101), Astronomy (AST 101), Epidemiology (BHE 404), College Algebra (MAT 105), Pre-algebra (MAT 95), Environmental Health and Safety (BHE 315), and Introduction to Probability and Statistics (MAT 241). Serve on Program Assessment Committee.
- May-Oct 2016 Educator – SeaWorld Parks and Entertainment, San Diego, CA.
- Jun-Aug 2015 Visiting Research Scientist – Cornell University Biological Field Station. Research Study: Lake Phytoplankton Dynamics.
- 2013- 2015 Assistant Professor: American University of Iraq – Sulaimani. Responsible for Life Science and Introductory Statistics in the Core Program, student advising, university service and research.
- 2013- 2014 Staff Scientist with Atlantic States Legal Foundation. Monitor Onondaga County implementation of the Amended Consent Judgement on pollution reduction and maintenance of ecosystem health in Onondaga Lake and its tributaries.

- 2005- 2012 Assistant Professor in Oceanography, University of the Virgin Islands.
 Jan-Nov 2012 Campus Champion Fellow: Liaison between UVI and NSF-funded Extreme Science and Engineering Discovery Environment (XSEDE) Program. This program provides support for research and education using high performance computing resources.
- 2009 Acting Director, Virgin Islands Experimental Program to Stimulate Competitive Research, University of the Virgin Islands.
- 2008-2012 Regional coordinator to the Virgin Islands region of the Caribbean Regional Association of the Integrated Coastal Ocean Observing System Program.
- 2008-2009 Acting Director, Center for Marine and Environmental Studies, University of the Virgin Islands and Principal Investigator to VI-EPSCoR Integrated Caribbean Coastal Ecosystems research thrust.
- 2000-2005 Assistant Scientist, University of Miami, RSMAS.
 1997-2000 Post-Doctoral Research Associate, University of Miami, RSMAS.
 1991-1997 Research Assistant, SUNY, College of Environmental Science and Forestry, Syracuse, NY 13210
- 1990-1991 Associate Research Scientist/Lecturer, Marine Science Centre, University of Basrah, Basrah, Iraq.
- 1989-1990 Iraqi military service: Naval Academy, Basrah, Iraq. Developed and taught a course in Oceanography for third and fourth year naval and maritime merchant cadets.

Teaching Experience:

- Spring, 2017 Undergraduate Online Courses MAT 241 (Introduction to Probability and Statistics), and AST 101 (Astronomy and Astronomy Lab), United States University, San Diego, California, USA.
- Fall, 2016 Undergraduate Online Courses MAT 241 (Introduction to Probability and Statistics), and BHE 315 (Environmental Health and Safety), United States University, San Diego, California, USA.
- Sum, 2016 Undergraduate Online Courses MAT 95 (Bridge to College Algebra), MAT 105 (College Algebra), MAT 241 (Introduction to Probability and Statistics), United States University, San Diego, California, USA.
- Spring, 2016 Undergraduate Online Courses AST 101 (Astronomy and Astronomy Lab), MAT 95 (Bridge to College Algebra), MAT 241 (Introduction to Probability and Statistics), and BHE 315 (Environmental Health and Safety), United States University, San Diego, California, USA.
- Fall, 2015 Undergraduate Course GEO 101 (Physical Geography) and Online Courses BHE 404 (Epidemiology), MAT 105 (College Algebra) United States University, San Diego, California, USA.
- Sum, 2015 Undergraduate Online Courses GEO 101 (Physical Geography) and BHE 315 (Environmental Health and Safety), United States University, San Diego, California, USA.
- Spring, 2015 Undergraduate Liberal Arts Core Program SCI 101 (Life Sciences) and STT 201 (Statistics), American University of Iraq – Sulaimani.

- Fall, 2014 Undergraduate Liberal Arts Core Program SCI 101 (Life Sciences) and STT 201 (Statistics), American University of Iraq – Sulaimani.
- Spring, 2014 Undergraduate Liberal Arts Core Program SCI 101 (Life Sciences) and STT 201 (Statistics), and graduate level MBA 501 (Introductory Business Math and Statistics) American University of Iraq – Sulaimani.
- Fall, 2013 Undergraduate Liberal Arts Core Program SCI 101 (Life Sciences), American University of Iraq – Sulaimani.
- 2010, 2012 MSC 239 Oceanography, Univ. of the Virgin Islands.
- 2007-2012 Graduate Masters for Marine and Environmental Science, Univ. of the Virgin Islands: MSC 501 Physical and Ecological Processes and MSC 503 Statistical Experiment Design and Research Methods.
- 2007-2008 Participated in the development the new Masters of Science Degree for the Masters for Marine and Environmental Science (MMES) Program, Univ. of the Virgin Islands, as well as develop curricula, program design and report preparation for successful submission of program to the UVI Curriculum Committee, and UVI Board of Trustees.
- Nov. 2003 Instructed Arabic language specific to Iraqi dialect and culture to U.S. soldiers in the Headstart program of the Department of Defense.
- 2000+2002 Undergraduate BIL 511 Biometry. Instruct upper level biology undergraduates in statistics and sampling and experimental design in the biological sciences as part of the Salt Water Semester for the Undergraduate Marine Science Program, UM.

Publications (Peer-reviewed):

- 2018 **Idrisi, N.**, CJ Geraci, AJ Kiss, and D. Berg. Distribution and relatedness of microbial 16S ribosomal RNA along the Tigris River from northern Iraq to the Shatt al-Arab, southern Iraq [in preparation].
- 2018 Hassan, F.M., J.M. Salman, S.H. Abdulameer, and **N. Idrisi**. Distribution of polycyclic aromatic hydrocarbons and its origin in the waters and sediments the mid-Euphrates River, Iraq [in preparation].
- 2017 **Idrisi, N.** Ecological research of larval shrimp: Living on the edge [Limnol. Oceanogr. Lett.].
- 2016 **Idrisi, N.**, E.L. Mills and L.G. Rudstam. Long-term phytoplankton community dynamics: Oneida Lake (1975-2011). Chapter 8, pages 139-159 in L.G. Rudstam, E.L. Mills, J.R. Jackson and D.J. Stewart (eds., 541 pages), Oneida Lake: Long-term Dynamics of a Managed Ecosystem and its Fisheries. AFS Publications, ISBN 978-1-934874-43-1.
- 2014 **Idrisi, N.**, SH Sage, and H. Gao. Managing the Onondaga Lake Watershed in New York, USA, through science-based policy: A case study, pp. 517-524 in Gastescu P., Marszelewski W., & Bretcan P. (2014, Eds.) Water Resources and Wetlands. Conference Proceedings 11-13 September 2014, Tulcea Romania 581 pp. **DOI:** 10.13140/2.1.4524.8329
- 2013 **Idrisi, N.** Ecosystems and Biomes: An Encyclopedia. Edited by RW Howarth, Associate Editor J Mohan. Volumen 4, 1440 pages. Contributions include the following sections: Freshwater Lakes (pp 61-66), The Persian Gulf (pp 997-1000), The Tigris River (pp 1233-1234), Tigris-Euphrates Alluvial Salt Marsh (pp

- 1231-1233). ISBN: 978-1-4298-3813-9;
http://www.salempress.com/press_titles.html?book=368.
- 2011 Cherubin, LM, RS Nemeth, and **N. Idrisi**. (2011) Flow and transport characteristics at an *Epinephelus guttatus* (red hind grouper) spawning aggregation site in St. Thomas (U.S. Virgin Islands). *Ecological Modelling* 222: 3132-3148.
- 2008 Nemeth, R. S. E. Kadison, J. E. Blondeau, **N. Idrisi**, R. Watlington, K. Brown, T. Smith, L. Carr. (2008) Regional coupling of red hind spawning aggregations to oceanographic processes in the Eastern Caribbean. Pp 170-183 in R. Grober-Dunsmore, and B.D. Keller, eds. *Caribbean connectivity: Implications for marine protected area management*. Proceedings of a Special Symposium, 9-11 November 2006, 59th Gulf Carib. Fish. Inst., Belize City, Belize. Marine Sanctuaries Conservation Series NMSP-08-07. U.S. Department of Commerce, NOAA, Office of National Marine Sanctuaries, Silver Spring, MD.
- 2008 Rogers C, Miller J, Muller E, Edmunds P, Nemeth R, Beets J, Friedlander A, Smith T, Boulon R, Jeffrey C, Menza C, Caldow C, **Idrisi N**, Kojis B, Monaco M, Spitzack T, Gladfelter B, Ogden J, Hillis-Starr Z, Lundgren I, Bane Schill W, Kuffner I, Richardson L, Devine B, Voss J. Coral Reefs of the US Virgin Islands. In (Reigl B and Dodge R eds): *Coral Reefs of the United States*, XXII, 806 p. Springer, New York, NY.
- 2007 McCammon, R. Nemeth, M. Whitaker, and **N. Idrisi**. (2007) EPSCoR Phase II: Future directions – Land-Sea Interactions. *Bull. Mar. Sci.* 80(3): 927.
- 2006 **Idrisi, N.**, J. Barimo, A. Hudder, T. Caop, and P. Walsh. Respiration, ammonia and urea excretion of *Aplysia californica*. *Bull. Mar. Sci.* 79(1): 231-237.
- 2005 **Idrisi, N.**, and S.D. Salman. Growth, metabolism, and elemental composition of the larval stages of the warmwater shrimp, *Caridina babaulti basrensis* (Decapoda; Atyidae). *Mar. Freshwater Behav. Physiol.* 38(1): 31-42.
- 2005 M.J. Olascoaga, **N. Idrisi**, A. Romanou. Biophysical isopycnic-coordinate modelling of plankton dynamics in the Arabian Sea. *Ocean Modelling* 8(1-2): 55-80.
- 2004 **Idrisi, N.**, M.J. Olascoaga, Z.D. Garraffo, D.B. Olson, and S.L. Smith. Mechanisms for emergence from diapause of *Calanoides carinatus* in the Somali Current. *Limnology and Oceanography (Biocomplexity Special Issue)* 49(4, Part 2): 1262-1268. Available free of charge at:
http://www.aslo.org/lo/toc/vol_49/issue_4_part_2/1262.pdf
- 2003 **Idrisi, N.**, T.R. Capo, J.E. Serafy. Postmetamorphic growth and metabolism of long-spined black sea urchin (*Diadema antillarum*) reared in the laboratory. *Mar. Freshwater Behav. Physiol.* 36(2): 87-95.
- 2003 **Idrisi, N.**, T.R. Capo, S. Luthy, J.E. Serafy. Behavior, oxygen consumption and survival of stressed juvenile sailfish (*Istiophorus platypterus*) in captivity. *Mar. Freshwater Behav. Physiol.* 36(1): 51-57.
- 2002 Ashjian, C.J., S.L. Smith, C.N. Flagg, and **N. Idrisi**. Distribution, annual cycle, and vertical migration of acoustically derived biomass in the Arabian Sea during 1994-1995. *Deep-Sea Res. II* 49(12): 2377-2402.

- 2001 **Idrisi, N.**, L.G. Rudstam, E.L. Mills, and D.J. Stewart. Impact of zebra mussels (*Dreissena polymorpha*) on the pelagic lower trophic levels of Oneida Lake, New York. *Can. J. Fish. Aquat. Sci.* 58(7): 1430-1441.
- 1996 Mitchell, M.J., E.L. Mills, **N. Idrisi**, and R. Michner. Stable isotopes of nitrogen and carbon in an aquatic food web recently invaded by *Dreissena polymorpha* (Pallas). *Can. J. Fish. Aquat. Sci.* 53(6): 1445-1450.

National and International Presentations:

- 2015 **Idrisi, N.**, and C.J. Geraci. Fate of Science Education in Iraqi Universities. 100th Ecological Society of America Annual Meeting. Aug 9-14, 2015 Baltimore, MD.
- 2015 **Idrisi, N.** Planktonic Thin Layers: Mechanism for phytoplankton community diversity, 2015 Aquatic Sciences Meeting, Feb. 22-27 2015, Granada, Spain.
- 2014 **Idrisi, N.** Hibernating Copepods, Indian Ocean Monsoons and Climate Change: Food Web Dynamics Implications, AUIS Seminar, Sulaimaniya, Iraq, Feb. 27, 2014.
- 2012 Watlington, R. and **N. Idrisi**. CariCOOS – The Caribbean Coastal Ocean Observing System. NOAA in the Caribbean, St. Thomas, May 15-16, 2012.
- 2012 Ortner, P. and **N. Idrisi**. OceanScope: Collaboration between Scientific Ocean Observing and the Shipping Industry. NOAA in the Caribbean, St. Thomas, May 15-16, 2012.
- 2011 **Idrisi, N.**, V. Wright, and J. Corredor. Coastal and marine spatial planning for the US Caribbean Region: First steps. ASLO 2011, San Juan, Puerto Rico, February 13-18, 2011.
- 2011 **Idrisi, N.**, S. Pittman, and Z. Willis. Special Session. Coastal and marine spatial planning: Current Needs and Future Challenges. ASLO 2011, San Juan, Puerto Rico, February 13-18, 2011.
- 2010 **Idrisi, N.**, D. Drost, M. Morell, SK Cooper, and L Peart. HBCU Educator at Sea: Integrated Ocean Drilling Program. 2010 Ocean Sciences Meeting, 22-26 February 2010, Portland, Oregon, USA.
- 2010 Giffit, D., S. Horsford (undergraduate students of **N. Idrisi**), and IODP Shatsky Rise Expedition 324 Scientific Party. Shatsky Rise: Remnants of a Jurassic Supervolcano? 2010 Ocean Sciences Meeting, 22-26 February 2010, Portland, Oregon, USA.
- 2009 Paris, C. and **N. Idrisi**. A History and Evolution of Ecosystems Models. Ecosystem Modeling Workshop Co-Sponsored by CaRA, GCOOS, GOMA, and SECOORA. October 14-16, 2009, St. Petersburg, FL.
- 2008 Cherubin, L.M., C.B. Paris, I. Baums, and **N. Idrisi**. Impact of Eastern Caribbean Circulation Seasonality on Two Reef Organisms. AGU Spring Meeting 27-30 May, 2008, Ft. Lauderdale, FL.
- 2007 **Idrisi, N.**, L. Cherubin, R. Watlington, and K. Brown. Coastal Currents around the Virgin Islands. AMLC, St. Thomas, VI, June 3-7, 2007.
- 2006 Blondeau, J., **N. Idrisi**, T. Smith, L. Allen-Requa, and A. McCammon. Spatio-Temporal Variation of Terrigenous Sedimentation Rates on US Virgin Islands Reefs. ASLO, June 4-9, 2006.
- 2004 **Idrisi, N.**, S. D. Salman. Growth, metabolic response to temperature in the freshwater shrimp, *Caridina babaulti basrensis*, from the Garmat Ali, southern

- Iraq. 25th Annual meeting of the Society for Wetlands Scientists, Seattle, WA, July 18-23, 2004.
- 2004 Ali, M. H., S. D. Salman, and **N. Idrisi**. (Invited) Building scientific capacity to restore the wetlands of Iraq. 25th Annual meeting of the Society for Wetlands Scientists, Seattle, WA, July 18-23, 2004.
- 2003 **Idrisi, N.**, F. Wilhem-Miralles. Iraq-Aware: Advancing watershed assessment, research and education. General seminar: University of Miami, RSMAS, November 18, 2003.
- 2002 **Idrisi, N.**, M.J. Olascoaga. Lagrangian modeling of diapaused copepods in intermediate to deep layers in the Arabian Sea. LAPCOD 2002, Key Largo, Florida, Dec. 12-16, 2002.
- 2002 **Idrisi, N.**, M.J. Olascoaga, Z. Garraffo, D.B. Olson, S.L. Smith. (Invited) Behavioral/Physical Mediation in Space and Time: Patterns of Dispersion and Fate of Deep Hibernating Copepods. Biodiversity Symposium, Sponsored by NSF, Univ. of Michigan, Ann Arbor, MI, Sept. 30, 2002.
- 2002 **Idrisi, N.**, M.J. Olascoaga, D.B. Olson, and S.L. Smith. Translocation of diapausing *Calanoides carinatus* in the mesopelagic/deep layers in the Arabian Sea: Modeling Lagrangian particle drift in an isopycnic ocean model. Oral presentation at the Ocean Sciences Meeting, February 11-15, 2002, Honolulu, HI.
- 2002 Olascoaga, M.J., **N. Idrisi**, A. Romanou, D.B. Olson, and S.L. Smith. Biophysical modeling of plankton dynamics off Somalia and Oman. Poster presented at the Ocean Sciences Meeting, February 11-15, 2002, Honolulu, HI.
- 2001 **Idrisi, N.** Temperature and metabolism in high latitude copepods: A theoretical analysis. Oral presentation at the 86th Annual Meeting of the Ecological Society of America, Madison WI, Aug 5-10, 2001.
- 1999 **Idrisi, N.**, G. Peng, O. Esenkov, D. Olson, and S. L. Smith. Modeling diapause as a life-history strategy of an important copepod grazer (*Calanoides carinatus*) in the Somali Great Whirl. Gordon Research Conference, Coastal Ocean Modeling, 1999 New London, NH.
- 1999 Olson, D. B., and **N. Idrisi**. The effects of structure on population dynamics: Time-dependent coefficients and stage induced initial conditions. Lazer Symposium, UM/Coral Gables.
- 1998 Ashjian, C., S. L. Smith, C. Flagg, and **N. Idrisi**. Annual distribution of zooplankton biomass across a 1000 km transect in the northern Arabian Sea estimated using an Acoustic Doppler Current Profiler. Ocean Sciences Meeting, San Diego, CA.

Grants:

Successful grant applications:

USAID PEER (2013-2014): Research Experiences for Undergraduates (REU): Freshwater Science and Policy in the Human Dominated Tigris River Basin. Grant to Dr. CJ Geraci, American University in Iraq, total budget: \$106,008.00. Nasseer Idrisi contributed to the proposal development and student training in experimental design.

National Science Foundation (NSF): BIO-OCE (\$900,000 1999-2001) Diapause in the Arabian Sea copepod (*Calanoides carinatus*); BIO-OCE Shelf-Basin

Interaction in the Arctic Ocean (\$600,000 2000-2002) Metabolism in the diapausing copepods (*Calanus finmarchicus*, *C. glacialis*, and *C. hyperboreus*). National Oceanic and Atmospheric Administration (NOAA): two grants on large debris removal in a mangrove ecosystem in the US Virgin Islands (\$200,000 2006-2009).

US Geological Survey (USGS) State-Partnership Program (\$350,000 2007-2010) Physical and biological connectivity of Virgin Islands National Park, VI Coral Reef National Monument and Buck Island Reef National Monument.

NSF Virgin Islands Experimental Program to Stimulate Competitive Research (NSF VI-EPSCoR: \$11.5 Million 2008-2013) and the research program Integrated Caribbean Coastal Ecosystems.

NOAA Caribbean Regional Association to the Caribbean Coastal Ocean Observing System (NOAA CaRA-CariCOOS: \$12.8 Million 2009-2014) awarded to the University of Puerto Rico – Mayaguez and the University of the Virgin Islands.

Laboratory Development, Field Instrumentation, Service & Outreach Activities:

- June 2017- NOAA-SWFSC Endangered White Abalone Physiological Research.
- May 2017- Curriculum development for United States University in DeXL in College Mathematics and Environmental Science.
- Oct 2016- United Nations Online Volunteer. English to Arabic translation of the UN Youth Leadership booklet. The purpose of the booklet is to empower our global youth in making important decisions that affects their lives, in the present and in the future.
- Oct 2016- Environment/ecology course development group (volunteer) with Professional Education Organization International. PEOI is United Nations organization committed to providing high quality free education to anyone in need of education and a professional degree.
- 2016-2017 Service as Vice President on School Site Council to John J. Montgomery Elementary School, Chula Vista, CA. The Council is responsible for developing a “Single Plan for Student Achievement” that reflects the school’s academic achievement goals, instructional programs and working budget. In addition, the Site Council is responsible for updating, approving, and monitoring the Safe School Plan.
- Summer 2015 Cornell University Biological Field Station. Visiting Research Scientist: Lake phytoplankton dynamics.
- Nov. 2014 Discovery Week – American University in Iraq, Sulaimani (AUIS). Designed and led the workshop on the Scientific Method training for Academic Preparatory Program students at the American University in Iraq, Sulaimani: http://auis.edu.iq/Undergrads_APP_Stats_Workshops
- Summer 2014 Cornell University Biological Field Station. Visiting Research Scientist: field work on lake phytoplankton community dynamics and primary productivity.
- 2013-2015 Faculty member of the AUIS Strategic Planning Committee.
- 2013-2015 Participation in the USAID PEER Project awarded to Dr. Christy Jo Geraci and AUIS. Tasks include calibrating instrumentation, field surveys,

- and student training in field ecology, sampling design and statistical analysis.
- 2013-2014 Staff scientist to the Atlantic States Legal Foundation (ASLF): tasked with coordinating between the County of Onondaga and the State of New York with respect to the clean up efforts and monitoring of the EPA superfund site, Onondaga Lake and its watershed. This coordination includes data analysis, report submissions and communication among the parties as well as stakeholders within the Onondaga County community. The parameters under which the parties operate are according to the Amended Consent Judgment (ACJ) that had been agreed upon by all involved parties, including ASLF. This activity alongside my academic career has rounded off my experiences in the area of environmental resource management.
- 2008-2012 As team leader for the Oceanography Platform of the NSF-funded VI-EPSCoR Program called the Integrated Caribbean Coastal Ecosystems (ICCE), I proposed the oceanography laboratory, awarded the funding to develop the laboratory, contracted an architect and construction company, laboratory furnishing company and implemented the design of the oceanography laboratory at the Center for Marine and Environmental Studies at the University of the Virgin Islands. I was also responsible for deploying the EPSCoR-funded oceanographic data buoy producing continuous near-real time online data recording.
- 2008-2012 As the sub-regional coordinator to the Caribbean Regional Association to the Integrated Ocean Observing System that is funded by NOAA, I was tasked with designing and implementing the Mesonet network of weather stations around the US Virgin Islands as well as contribute to the deployment and maintenance of a continuous recording near-real time online coastal data buoy.
- 2010-2012 Community service: Building on the success of the Marine Debris Prevention and Environmental Monitoring Program, I was funded again by NOAA on the Clean Sweep USVI: Marine Debris Removal and Prevention Program in partnership with Sea Tow and the Virgin Islands Mangrove Research and Conservation Coalition (VIMRCC). This was a partnership between an academic institution (UVI), an NGO (VIMRCC) and a private company (Sea Tow) that collaborated together towards the goal of mangrove restoration at Cas Cay Mangrove Lagoon Marine Reserve on the island of St. Thomas, USVI.
- 2010-2011 University service as the Secretary to the faculty body and the Faculty Executive Committee for the 2010-2011 academic year.
- 2008-2010 Community service: in association with the Virgin Islands Marine Advisory Service (a Sea Grant Extension Service), I was awarded funding from NOAA and directed the outreach and community-based Marine Debris Prevention and Environmental Monitoring Program; this project was supported by the USVI government.
- 2006-2012 University service on the Ad Hoc Committee for Faculty Integration (tasked with integrating teaching and research faculty), 2006-2011, representing Research & Public Service, and was a key contributor to the

- committee's final report submitted to the Provost and the UVI faculty body in May 2011. In this respect, I believe in and encourage the teacher-scholar model for faculty development within the academic environment.
- 2004-2005 I designed and developed the Bioenergetics Laboratory at the National Aplysia Research Facility at the University of Miami, RSMAS.
- 1991 Community service: organization and administration of two refugee camps on the Iraq-Kuwait border post Gulf War I.
- 1984-1987 Laboratory supervisor at the Central Military Blood Bank, Baghdad, Iraq. Supervised the screening of viral diseases in donated blood including hepatitis B and HIV, assisted in purchasing of and training on the new ELISA blood screening testing equipment.

Professional Associations and Societies:

American Association for the Advancement of Science
 Association for the Sciences of Limnology and Oceanography
 Ecological Society of America
 American Society of Naturalists
 Union of Concerned Scientists

Peer Reviews and Editing:

Reviewed and edited manuscripts for publication in the following journals:
 Journal of Experimental Marine Biology and Ecology, Canadian Journal for Fisheries and Aquatic Sciences, Marine Ecology Progress Series (see attached letter), Hydrobiologia, Limnology and Oceanography (see attached letter), Ocean Modelling, Comparative Physiology and Biochemistry, Journal of Coastal Research, Marine and Freshwater Behaviour and Physiology, Journal of Plankton Research.
 Review proposal submissions to NSF in oceanography (biological and physical), ecology, and education since 2005.

Awards:

- 1996 Don Rennie Memorial Award for Outstanding Student Presentation at the 1996 Student/Faculty Conference hosted by the Great Lakes Research Consortium and New York Sea Grant.
- 1995 Leroy C. Stegeman Award in Invertebrate Ecology from the Department of Environmental and Forest Biology, SUNY- College of Environmental Science and Forestry.
- 1995 New York Sea Grant Scholar, Thesis Completion Award.
- 1994 Hydrolab/IAGLR Best Student Poster Award at the 1994 International Association for Great Lakes Research in Green Bay, WI.
- 1991 New York Sea Grant PhD Fellowship.

Mentoring post doctoral research associates and graduate students at the University of the Virgin Islands:

Joanna Gyory, post doctoral research associate, PhD graduate of Massachusetts Institute of Technology and Woods Hole Oceanographic Institution in biological oceanography (2011-2013).

Sophia McKenzie defended her thesis in November 2012 and graduating in December 2012. Thesis title: Biophysical influence on coral abundance and diversity in Hurricane Hole, St. John, United States Virgin Islands.

LeAnn Conlon to graduate in 2014. Thesis project: Determining the biophysical characteristics of planktonic thin layers near Hind Bank, St. Thomas, USVI

Guest Lectures:

- 2015 Hibernating Copepods & Indian Ocean Monsoons: Implications for Pelagic Food Webs and Climate Change. Baghdad University, April 16, 2015.
- 2014 Thematic Approach to Science Education. Academic Preparatory Program, American University in Iraq, Sulaimani, October 19, 2014.
- 2014 Phytoplankton Community Dynamics: Emergent properties derived from long-term data. RSMAS – University of Miami, July 17, 2014.
- 2014 Hibernating Copepods & Indian Ocean Monsoons: Implications for Pelagic Food Webs and Climate Change. Cornell Biological Field Station, July 9, 2014.
- 2008-12 Coastal Oceanography of the Virgin Islands for the class: Aquatic Chemistry F&ES 344, Yale University. In March during trips to the USVI.
- 2004 Iraq-Aware: Advancing watershed assessment, research and education. Florida Association of Environmental Professionals, South Florida Chapter. Downtowner Saloon, Ft. Lauderdale. June 16, 2004.
- 2003 Restoring the southern Iraqi marshlands: Implications for social, economic, and cultural revitalization. United Nations Association-USA, Southeastern Chapter, Broward Community College, May 22, 2004.

Administrative Assignments:

Acting Director of the Center for Marine and Environmental Studies (CMES), University of the Virgin Islands (August 2008-September 2009). Responsibilities:

- Administration of the daily affairs of CMES;
- Contribute to the long-term vision of CMES through new hiring and developing strategic plan of the center;
- Develop partnerships with collaborating institutions;
- Serve as Principle Investigator to the Virgin Islands-Experimental Program to Stimulate Competitive Research (VI-EPSCoR) research program: Integrated Caribbean Coastal Ecosystems (ICCE);
- Increase CMES exposure to the public and USVI government through outreach and research activities;
- Develop a successional plan for the center;
- Commission a panel of experts to develop a long-term strategic plan for CMES;
- During this period, I moderated a climate change forum on behalf of the US Virgin Islands government, inviting prominent members of the Caribbean Community Climate Change Centre. The US Virgin Islands Legislature requested my testimony as an expert witness to the legislative

committee studying a plan by the Royal Caribbean Cruise Line to expand the harbor by dredging Charlotte Amalie Harbor and place the dredged material in Lindburgh Bay, St. Thomas, USVI. Throughout my tenure as acting director of CMES I used my experience in administering a refugee camp to help guide my decisions, as this experience has given me a unique perspective in conflict resolution – I used this experience extensively during my decision making process. In June 2008, UVI was awarded an \$11.5Million 5-year NSF grant to VI-EPSCoR, to which I played a significant role in preparing. After the new VI-EPSCoR grant was received, I started plans to restructure the center to accommodate growth at CMES, these plans included staff and faculty hiring, building improvements, and approving boats and equipment purchases. During my tenure as Acting Director of CMES I was responsible for disbursing VI-EPSCoR funds through an incubator grant program, and requested proposals from UVI faculty, evaluated the proposals and made awards in a timely fashion. In addition, to serving as acting director of CMES, I served as acting director of VI-EPSCoR. During this period of difficulty, I was able to maintain stability and steady growth and activity in both VI-EPSCoR and CMES.

US Virgin Islands Regional Coordinator to the Caribbean Regional Association to the Caribbean Coastal Ocean Observing System (CaRA-CariCOOS: Dec 2008 – May 2012).

- Develop operational meteorological and oceanographic observation platforms for the US Virgin Islands;
- Develop outreach programs to engage the US Virgin Islands public with respect to the climate/geologic activity and their potential impact on society;
- Project and proposal development for the CaRA-CariCOOS program.

UVI and University of Puerto Rico at Mayaguez were awarded a preliminary \$3Million NOAA grant (2009-2011), and a full (2011-2016) \$12.8Million grant to the Caribbean Coastal Ocean Observing System (CariCOOS) to develop operational marine observation systems for the northeast Caribbean region.