

Curriculum Vitae

ASLI ASLAN

Georgia Southern University, Jiann-Ping Hsu College of Public Health
501 Forest Drive, Hendricks Hall, Statesboro, Georgia 30460
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EDUCATION

- 2002-2008 Ph.D.–Physical Oceanography and Marine Biology-Istanbul University Institute of Marine Sciences and Management- Istanbul, Turkey
- *Emphasis Area:* Water quality and environmental health, marine microbial ecology
 - *Dissertation:* Spatio-temporal distribution and identification of aerobic heterotrophic bacteria isolated from the Black and Marmara seas.
- 1999-2002 M.Sc.–Physical Oceanography and Marine Biology-Istanbul University Institute of Marine Sciences and Management – Istanbul, Turkey
- *Emphasis Area:* Water quality and environmental health
 - *Dissertation:* Monitoring wastewater outflow by fecal indicator bacteria at Bosphorus, Black Sea exit of the Strait and the northeastern Marmara Sea.
- 1994-1999 B.Sc.-Biology (Microbiology Concentration) Istanbul University College of Sciences- Istanbul, Turkey

ACADEMIC EXPERIENCE

- Aug 2019-present **Associate Professor** (Tenured)
Georgia Southern University, Jiann-Ping Hsu College of Public Health, Department of Biostatistics, Epidemiology, and Environmental Health Sciences
- Aug 2013-Jul 2019 **Assistant Professor** (Tenure track)
Georgia Southern University, Jiann-Ping Hsu College of Public Health, Department of Biostatistics, Epidemiology, and Environmental Health Sciences
- Aug 2011-Jul 2013 **Assistant Professor** (Research track)
Michigan State University- College of Agriculture and Natural Resources and International Studies and Programs
- Aug 2008-Jul 2011 **Postdoctoral Research Associate**
Michigan State University- College of Agriculture and Natural Resources
- Jan 2000-Jul 2008 **Research Associate**
Istanbul University- Institute of Marine Sciences and Management

RESEARCH EXPERIENCE

GRANTS AND CONTRACTS

Active:

- January 1, 2020-present *Co-Principal investigator:* A Pilot Web-based Water Dashboard for Coastal Georgia Regional Water Planning (Funded by: Georgia Environmental Protection Division, \$117,902).
- October 2019-present *Principal investigator:* A feasibility study for adopting rapid molecular methods to monitor Enterococci at Georgia beaches. (Funded by: NOAA and GA DNR Georgia Coastal Management Program, \$157,607).
- October 2016-present *Principal investigator:* What's in your water: The state of drinking water quality in Evans County (Funded by: Evans County CARES Foundation, \$42,500).

Completed:

- October 2016 - March 2018 *Principal investigator:* Molecular identification of the sources of non-point pollution and microbial risk assessment upon exposure to recreational waters at Jekyll Island Beaches, Phase II: Quantitative Microbial Risk Assessment. Award Number: NA15NOS4190160-2 (Funded by: NOAA and GA DNR Georgia Coastal Management Program, \$138,587).
- October 2015 - March 2017 *Principal investigator:* Molecular identification of the sources of non-point pollution and microbial risk assessment upon exposure to recreational waters at Jekyll Island Beaches, Phase I: Microbial Source Tracking. Award Number: NA15NOS4190160-1 (Funded by: NOAA and GA DNR Georgia Coastal Management Program, \$150,944).
- October 2014 - Dec. 2015 *Principal investigator:* Identification of the sources of pathogens in wetland sediments and their influence on beach water quality Award Number: NA14NOS4190117 (Funded by: NOAA and GA DNR Georgia Coastal Management Program, \$233,242).
- November - December 2015 *Principal investigator:* Identification of pollution sources in Fortson Pond (Funded by: Jekyll Island Authority, \$2,250).
- October 2010 - April 2013 *Co-Principal investigator:* Building beach managers capacity for using rapid tools (Funded by; USEPA and Michigan DNR, \$225,000).
- October 2010 - April 2012 *Co-Principal investigator:* Healthier Great Lakes Beaches through improved communication (Funded by; USEPA and Michigan DNR, \$100,000)
- 2002-2008 *Co-Principal Investigator:* Microbiological pollution monitoring at the coastal areas of Istanbul. (Funded by: General Directorate of Istanbul Water and Sewerage Administration, \$400,000).
- 2006-2008 *Principal investigator:* The spatio-temporal distribution and identification of aerobic heterotrophic bacteria isolated from the Black and the Marmara seas (Funded by; Istanbul University Research Fund, \$6,000), Project no: T-1048).
- 2001-2003 *Principal investigator:* Distribution of *Clostridium perfringens* in the Sea of Marmara sediments influenced by deep ocean outflows (Funded by: Istanbul University Research Fund, \$5,000, Project no: 1728/15082001).

PEER-REVIEWED JOURNAL ARTICLES

(Names with asterisk are students)

1. Zeki S.*, **Aslan, A.** Burak, S., Rose, J.B. (2021) Occurrence of a human-associated microbial source tracking marker and its relationship with fecal indicator bacteria in an urban estuary. *Letters in Applied Microbiology*, 72(2), 167-177.
2. **Aslan, A.**, Shah, G., Sittaramane, V., Shankar, P. (2020). Sewage monitoring in rural communities: A powerful strategy for COVID-19 surveillance. *Journal of Environmental Health*, 83 (4), 8-10.
3. **Aslan, A.**, Rochani, H., Oyibo, O.*, Dotherow, J.E.*, Anderson, K.A.*, Beslin, C.*, Chapman, A.*, Thomas, B.*, Brown, A.*, Ampofo-Yeboah, A., Afriyie-Gyawu, E. (2020). Sources of microbiological contamination in sachet water from Ghana. *Journal of Water, Sanitation and Hygiene for Development* 10 (2), 202-208.
4. Duff, J.A.*, **Aslan, A.**, Cohen, R. (2019). Land use and environmental variables influence antibiotic-resistant bacteria abundance in southeastern coastal plain streams. *Journal of Environmental Quality*, doi: 10.2134/jeq2019.03.0139.
5. Weiskerger, C., Brandão, J.C.S., Ahmed, W., **Aslan, A.**, Avolio, L., Badgley, B., Boehm, A., Edge, T.A., Fleisher, J.M., Heaney, C., Jordao, L., Kinzelman, J., Klaus, J.S., Kleinheinz, G., Meriläinen, P., Nshimiyimana, J.P., Phanikumar, M.S., Piggot, A., Pitkänen, T., Robinson, C., Sadowsky, M., Staley, C., Staley, Z., Symonds, E., Vogel, L., Yamahara, K., Whitman, R., Solo-Gabriele, H.M., Harwood, J. (2019). Impacts of a changing earth on microbial dynamics and human health risks in the continuum between beach water and sand. *Water Research* 162, 456-470.
6. Sivaganesan, M., Aw, T., Briggs, S., Dreelin, E., **Aslan, A.**, Dorevitch, S., Shrestha, A., Isaccs, N., Kinzelman, J., Kleinheinz, G., Noble, R., Rediske, R., Scull, B., Rosenberg, S., Weberman, B., Sivy, T., Southwell, B., Siefiring, S., Oshima, K., Haugland, R. (2019). Standardized data quality acceptance criteria for a rapid *E. coli* qPCR method (Draft Method C) for water quality monitoring at recreational beaches. *Water Research* 156, 456-464
7. Aw, T., Sivaganesan, M., Briggs, S., Dreelin, E., **Aslan, A.**, Dorevitch, S., Shrestha, A., Isaccs, N., Kinzelman, J., Kleinheinz, G., Noble, R., Rediske, R., Scull, B., Rosenberg, S., Weberman, B., Sivy, T., Southwell, B., Siefiring, S., Oshima, K., Haugland, R. (2019). Evaluation of multiple laboratory performance and variability in analysis of recreational freshwaters by a rapid *E. coli* qPCR method (Draft Method C). *Water Research* 156, 465-474.
8. **Aslan, A.**, Cole, Z.*, Bhattacharya, A.*, Oyibo, O.* (2018). Presence of antibiotic resistant *Escherichia coli* in wastewater treatment plant effluents utilized as water reuse for irrigation. *Water*, 10 (6), 805-816.
9. Jones, J., **Aslan, A.**, Trivedi, R.*, Olivas, M.*, Hoffman, M.* (2018). Data on the risk perceptions of beach water safety in coastal Georgia. *Data in Brief* 19, 312-316.
10. Mayer, R., Reischer, G., Ixenmaier, S., Derx, J., Blaschke, A., Ebdon, J., Linke, R., Egle, L., Ahmed, W., Blanch, A., Byamukama, D., Savill, M., Mushi, D., Cristóbal, H., Edge, T., Schade, M., **Aslan, A.**, Brooks, Y., Sommer, R., Masago, Y., Sato, M., Taylor, H., Rose, J., Wuertz, S., Shanks, O., Mach, R., Zessner, M., Farnleitner, A. (2018). Global distribution of human-associated fecal genetic markers in reference samples from six continents. *Environmental Science and Technology* 52(9), 5076-5084
11. Jones, J., **Aslan, A.**, Olivas, M.*, Hoffman, M.*, Trivedi, R.* (2018). Water quality and the perception of risk: A study of Georgia, USA, beachgoers. *Ocean and Coastal Management* 158, 116-119
12. **Aslan A.**, Anderson, K.*, Chapman, A.* (2018). The impact of tides on microbial water quality at an inland river beach. *Journal of Environmental Quality* 47(5), 1123-1129.
13. Chang, P.*, Rochani, H., Mase, W., Jones, J., **Aslan, A.** (2018). Analysis of food service organization risk classification and associated food safety violation frequency. *Journal of Environmental Health* 80 (6), 14-18.

14. Gallard-Gongora, J.* McGowan Munck, K.* Jones, J., **Aslan, A.** (2017). Coliphages as a beach water quality indicator to protect swimmer's health in coastal Georgia. *Journal of the Georgia Public Health Association* 7(1).
15. **Aslan A.**, Benevente, S.* (2016). New recreational water quality criteria and its impact on beach advisories in coastal Georgia. *Journal of the Georgia Public Health Association* 6, 1-9.
16. Brooks, Y.* **Aslan, A.**, Tamrakar, S., Murali, B, Mitchell, J., Rose, J.B. (2015). Analysis of the persistence of enteric markers in sewage polluted water on a solid matrix and in liquid suspension. *Water Research*, 76, 201-212.
17. Altıok, A., **Aslan, A.**, Övez, S., Demirel, N., Yüksek, A., Kıratlı, N., Taş, S., Müftüoğlu, A. E., Sur, H.I., Okuş, E. (2014). Influence of the extreme conditions on the water quality and material exchange flux in the Strait of Istanbul. *Journal of Marine Systems*, 139, 204-216.
18. **Aslan, A.** and Rose, J.B. (2013). Evaluation of the host specificity of *Bacteroides thetaiotaomicron alpha-1-6, mannanase* gene as a sewage marker. *Letters in Applied Microbiology*, 56 (1), 51-56.
19. **Aslan A.**, Xagorarakı I., Simmons, F.J., Rose, J.B., Dorevitch, S. (2011). Occurrence and infectivity of adenovirus and other enteric viruses in contact-limited freshwater recreational areas and bathing waters. *Journal of Applied Microbiology*, 111, 1250-1261.
20. Srinivasan S.* **Aslan, A.**, Xagorarakı I., Alocilja E., Rose J.B. (2011). *Escherichia coli*, *Enterococcus* spp. and *Bacteroides thetaiotaomicron* qPCR signals through wastewater and septage treatment. *Water Research*, 45, 2561-2572
21. Okuş, E. Öztürk I., Sur H.I., Yüksek, A. Taş, S. **Aslan-Yılmaz, A.**, Altıok, H., Balkıs, N., Doğan, E., Övez, S., Aydın, A.F. (2008). Critical evaluation of wastewater treatment and disposal strategies for Istanbul with regards to water quality monitoring study results. *Desalination*, 226, 1-3, 231-248.
22. Yokes MB, Karhan S.U., Okus, E., Yuksek, A., **Aslan-Yılmaz, A.**, Yılmaz, N., Demirel, N., Demir, V., Galil, B.S. (2007). Alien Crustacean Decapods from the Aegean Coast of Turkey. *Aquatic Invasions*, 2 (3), 162-168.
23. Okus, E., Altıok, H. Yuksek, A., Yılmaz, N., **Aslan-Yılmaz, A.**, Karhan S.U, Demirel, N., Muftuoglu, A.E., Demir, V., Zeki, S., Kalkan E., Tas S. (2007). Biodiversity in western part of the Fethiye Bay. *Journal of Black Sea/Mediterranean Environment*, 13, 19-34.
24. Okuş, E., Yuksek, A., Yılmaz, N., **Aslan-Yılmaz, A.**, Karhan S.U, Öz, Mİ., Demirel, N., Tas S., Demir, V., Zeki, S Koc, EM., Tural, U., Yokes, B., Kalkan, E., Deniz, N., Caylarbasi Z., Savut, E., Murat, E. (2007). Marine Biodiversity of Datça-Bozburun specially protected area (Southeastern Aegean Sea, Turkey). *Journal of Black Sea/Mediterranean Environment*, 13, 39-49.
25. Yüksek, A., Okuş, E., Yılmaz I.N., **Aslan-Yılmaz, A.**, Taş, S. (2006). Changes in biodiversity of the extremely polluted Golden Horn Estuary following the improvements in water quality. *Marine Pollution Bulletin* 52, 1209-1218
26. Taş, S., Okuş, E., **Aslan-Yılmaz, A.** (2006). The blooms of cyanobacteria *Microcystis* cf. *aeruginosa* in a severely polluted estuary, the Golden Horn, Turkey. *Estuarine, Coastal and Shelf Science*, 68, 593-599.
27. **Aslan-Yılmaz, A.**, Okuş, E., Övez, S. (2004). Bacteriological indicators of anthropogenic impact prior to and during the recovery of water quality in an extremely polluted estuary, Golden Horn, Turkey. *Marine Pollution Bulletin*, 49 (11-12), 951-958.
28. Okuş, E., **Aslan, A.**, Yüksek, A, Taş, S., Tüfekçi V. (2002). Nutrient distribution at Bosphorus and surrounding areas. *Water Science and Technology*, 46 (8), 59-66.

OTHER PUBLICATIONS AND MEDIA

1. **Aslan A.** and Jones, J. (2018) Beach quality information boards on Jekyll Island.
2. **Aslan A.** (2016). Protecting the Swimmer Health in Coastal Georgia. Georgia Environmentalist, Volume 39, 35.
3. **Aslan A.**, Anderson, K.,* Gallard-Gongora, J.F. *, McGowan, K.*, Poole, A.*, Jones, J. (2016). How do we keep Jekyll Island Beaches safe? Jekyll Island Green Screen Festival, March 19, 2016, Jekyll Island, GA.
4. **Aslan A.** (2015). Microbial Source Tracking. Factsheet prepared as a part of the Healthy Beaches, Healthy People Workshop, March 25, 2015, Savannah, GA.
5. **Aslan A.** (2015). Fecal Indicator Bacteria. Factsheet prepared as a part of the Healthy Beaches, Healthy People Workshop, March 25, 2015, Savannah, GA.
6. **Aslan, A.**, Beslin, C.*, Poole, A.*, Anderson, A.*, Shah, B.* (2015). Healthy Beaches, Healthy People: Sources of Pollution at Kings Ferry Beach. Poster presentation. Jekyll Island Green Screen Festival, February 21, 2015, Jekyll Island, GA.
7. **Aslan, A.**, Kinzelman, J., Anan'eva, T., Lavender, J.S., Dreelin, E. (2013). A Guidance Document for Testing Recreational Waters Using EPA qPCR Method 1611. Retrieved from Michigan State University website: http://www.cws.msu.edu/documents/qPCRmanual_final.pdf
8. **Aslan, A.**, Dreelin, E., Poulson, D., Pavangadkar, A. (2012). A training video for testing recreational waters using EPA qPCR Method 1611. Retrieved from Michigan State University website: <http://www.cws.msu.edu/videos/videos.php>
9. **Aslan-Yilmaz, A.**, Ahmed, W., Farnleitner, A., Masago, Y., Taylor, H., Rose, J.B. (2010). Towards a healthier water environment: IC SEWAGE, Water 21, August:44-46.
10. Burlingame, G.A., Rose J.B., Xagorarakis, I., Coulliette, A.D., **Aslan-Yilmaz, A.** (2009). How do we test for viruses? Opflow Online, 35, 5.

TECHNICAL REPORTS

1. **Aslan, A.**, Dotherow, E., Vogel R. (2019). Temporal distribution of opportunistic pathogens in household systems in Evans County. Submitted to: Evans County CARES Foundation.
2. **Aslan A.** and Jones J. (2018). Molecular identification of the sources of non-point pollution and microbial risk assessment upon exposure to recreational waters at Jekyll Island Beaches, Phase II: Microbial Risk Assessment. Submitted to NOAA and Georgia DNR.
3. **Aslan A.**, Barron, S., Vogel R. (2017). What's in Your Water: The State of Drinking Water Quality in Evans County. Submitted to: Evans County CARES Foundation.
4. **Aslan A.** and Jones J. (2017). Molecular identification of the sources of non-point pollution and microbial risk assessment upon exposure to recreational waters at Jekyll Island Beaches, Phase I: Microbial Source Tracking. Submitted to NOAA and Georgia DNR.
5. **Aslan, A.** (2016). Identification of pollution sources in Fortson Pond. Submitted to Jekyll Island Authority.
6. **Aslan, A.**, Eremeeva, M., Van Stan, J. (2016). Identification of the sources of pathogens in wetland sediments and their influence on beach water quality. Submitted to Georgia DNR.
7. **Aslan, A.** and Dreelin, E. (2013). Building Beach Managers Capacity for Using Rapid Tools. Submitted to Michigan DNR.
8. **Aslan-Yilmaz, A.**, Simmons, F., Xagorarakis, I. (2010). Enteric virus occurrence in Chicago River. Submitted to University of Illinois, CHEERS Program

9. Sur, H.I., **Aslan-Yilmaz, A.**, Tas, S.,..., Dogan E. (annually from 2002 to 2008). Microbiological Pollution Monitoring at the Coastal Areas of Istanbul. Published by: General Directorate of Istanbul Water and Sewerage Administration.
10. Okus, E., Sur, H.I., Apak, R., Guven, K.C., Ercag, E., Yuksek, A., Altiok, H., Balkis, N., Tas, S., **Aslan-Yilmaz, A.**, Yilmaz, N., Muftuoglu, A.E., Aksu, A., Demirel, N., Ersan, M.S., Yalcin, A. (annually from 2004 to 2008). Pollution monitoring in the Black Sea. Published by Turkish Ministry of Environment.
11. Sur, H.I., Okus, E., Guven, K.C., Yuksek, A., Altiok, H., Balkis, N., Tas, S., **Aslan-Yilmaz, A.**, Yilmaz, N., Muftuoglu, A.E., Ovez, S., Karhan, U., Demirel, N., Aksu, A. (annually from 1999 to 2008). Water Quality Monitoring in Black Sea, Marmara Sea and the Strait of Istanbul.
12. Okus, E., Yuksek, A., Yokes, B., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan, U., Demirel, N., Demir, V., Zeki, S., Tas, S., Sur, H.I., Altiok, H., Muftuoglu, A.E., Balkis, N., Aksu, A., Dogan, E., Gazioglu, C. (2006). Marine Biological Diversity Assessment of Gokova special environmental protection area. Published by: Authority for Specially Protected Areas, Turkish Ministry of Environment, ISBN 975-8273-91-4.
13. Sur, H.I., Guven, K.C., Okus, E., Algan, O., Gazioglu, C., Yuksek, A., Altiok, H., Balkis, N., Tas, S., **Aslan-Yilmaz, A.**, Yilmaz, N., Karhan, U., Muftuoglu, A.E., Aksu, A., Demirel, N., Cumali, S., Cifci, P.S., Ozcan, S., Ozsoylu, B., Kirci-Elmas, E. (2006). Sampling Programme at the Sea of Marmara on Behalf of Mempis Project 2006.
14. Guven, K.C., Okus, E., Sur, H.I., Yuksek, A., Unlu, A., Gazioglu, C., Altiok, H., Tas, S., Muftuoglu, E., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan, U. (2005). Volgoneft 248 Oil Pollution Monitoring Published by: Omur Marine Limited Inc.
15. Okus, E., Sur, H.I., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan, U., Oz, M.I., Demirel, N., Tas, S., Altiok, H., Muftuoglu, A.E., Gazioglu, C., Yucel, Z.Y., Demir, V., Zeki, S., Tural, U. (2004). Marine Biological Diversity Assessment of Datca-Bozburun specially protected area Published by: Authority for Specially Protected Areas, Turkish Ministry of Environment ISBN:975-8273-62-0.
16. Okus, E., Sur, H.I., Guven, K.C., Yuksek, A., Altiok, H., Balkis, N., Tas, S., **Aslan-Yilmaz, A.**, Yilmaz, N., Muftuoglu, A.E., Aksu, A., Demirel, N., (2004). Monitoring of pollutants from the Black Sea to the Strait of Istanbul. Published by: General Directorate of Istanbul Water and Sewerage Administration.
17. Okus, E. and **Aslan-Yilmaz, A.** (2003). Distribution of *Clostridium perfringens* in the Sea of Marmara Sediments Influenced by Deep Discharges Published by: Istanbul University Research Founding.
18. Guven, K.C., Sur, H.I., Okus, E., Yuksek, A., Uysal, A., Balkis, N., Kiratli, N., Unlu, S., Altiok, H., Tas, S., **Aslan, A.**, Yilmaz, N., Muftuoglu, A.E., Gazioglu, C., Cebeci, M., (2000). Oceanography of the Izmit Bay Following 1999 Earthquake. Published by: Turkish Ministry of Environment. Research Foundation Support Programme for Scientific Publications, (Istanbul University, 2002)

CONFERENCE PRESENTATIONS

(Names with asterisk are students)

1. Tome, J.*, Joshi, P.*, Cowan, L., **Aslan, A.** (2019). Brominated vegetable oil in beverages: An ecological study. American Public Health Association General Meeting, November 2-6, 2019, Philadelphia PA, USA.
2. Hizine, M.*, Jillson, S.*, Apenteng, B., Jones, J., **Aslan, A.** (2019). Microbiological water quality of Jekyll Island Beaches. Georgia Southern Symposium, April 18, 2019, Statesboro, Georgia, USA.
3. Tome, J.*, Joshi, P.*, Cowan, L., **Aslan, A.** (2019). The relationship between high consumption of brominated vegetable oil contained beverage, cardiovascular disease and stroke. Georgia Southern Symposium, April 18, 2019, Statesboro, Georgia, USA.

4. Longcoy, J.* ,Zhag, X., **Aslan, A.** (2019). Rainfall and temperature as environmental factors impacting beach water quality in Coastal Georgia. Georgia Southern Symposium, April 18, 2019, Statesboro, Georgia, USA.
5. **Aslan A.**, Cole, Z.* ,Bhattacharya, A.* , Oyibo, O.* , Anderson, K.W. (2018). Challenges to remove the antibiotic resistant *Escherichia coli* for wastewater reuse. Georgia Public Health Association Annual Meeting and Conference, April 4-6, 2018, Jekyll Island, GA, USA.
6. Weiskerger, C., Brandão, J.C.S., Robinson, C., Staley, C., Kleinheinz, G., Nshimiyimana, J.P., Kinzelman, J., Nevers, M.B., Sadowsky, M., Phanikumar, M.S., Whitman, R., Edge, T.A., Piggot, A., Boehmn, A., **Aslan, A.**, Badgley, B., Heaney, C., Symonds, E., Solo-Gabriele, H., Fleisher, J., Harwood, J., Yamahara, K., Vogel, L., Jordao, M.L., Avolio, L., Merilainen, P., Pitkanen, T., Ahmed, W., Staley, Z. (2018). Effects of a changing earth on predicting microbial dynamics and human health risks in the beach water/sand continuum. The International Association for Great Lakes Research (IAGLR) June 18-22, 2018, Toronto, CA.
7. **Aslan, A.** (2017). Assessment of tetracycline resistant *Escherichia coli* in chlorine and UV disinfected effluents and surface waters. ASM Microbe June 1-5, 2017, New Orleans, LA, USA.
8. **Aslan, A.** and Jones, J. (2017). Diurnal variability and sources of coliphage, Enterococci and Non-typhoidal *Salmonella* in a tidal beach. 2017 Water Microbiology Conference, May 15-17, 2017, Chapel Hill, NC, USA.
9. **Aslan, A.** (2017). Occurrence of antibiotic resistant fecal indicator bacteria in point-source polluted surface waters. 19th International Symposium on Health-Related Water Microbiology, May 15-19, 2017, Chapel Hill, NC, USA.
10. McGowan-Munck, K.* , Gallard-Gongora, J.F.* , Anderson, K.W.* , **Aslan, A.** (2016). Occurrence of sulfamethoxazole and ciprofloxacin resistance in recreational beach water affected by a wastewater treatment plant. American Society for Microbiology 102th Southeastern Branch Meeting, 11-12 November, 2016, Florence, AL, USA.
11. Gallard-Gongora, J.F.* , McGowan-Munck, K.* , Chapman, A.* , Jones, J., **Aslan, A.** (2016) Fecal indicator viruses and beach monitoring in coastal Georgia. American Society for Microbiology 102th Southeastern Branch Meeting, 11-12 November, 2016, Florence, AL, USA (*first place award winner for oral presentation*).
12. **Aslan, A.**, Beslin, C.* , Poole, A.* , Anderson, K.* , Gallard-Gongora, J.* , McGowan, K.* , Ofuri-Gyawu, K., Ampofo-Yeboah, A. Afriyie-Gyawu, E. (2016). Microbiological assessment of sachet water in Ghana, West Africa. American Society of Tropical Medicine and Hygiene, 65th Annual Meeting, November 13-17, 2016, Atlanta, GA, USA.
13. Mears, M.* , Karcs, C.* , Capps, D.* , Warang, S.* , **Aslan, A.**, Eremeeva, M. (2016). Detection of free-living Amoebae and Amoeba-resisting bacteria in beach waters in Southeastern Georgia. American Society for Microbiology 116th General Meeting (ASM Microbe), June 16-20, 2016, Boston, MA, USA.
14. **Aslan A.** (2016). Sources of Enterococci and their relation with environmental factors at an inland beach. USEPA Recreational Waters Conference, April 12-15, 2016, New Orleans, LA, USA.
15. Gallard, J.* , McGowan, K.* , Poole, A.* , Anderson, K.* , Jones, J., **Aslan, A.** (2016). Bacteriophage as an alternative indicator for microbiological pollution at marine beaches. Georgia Southern Research Symposium, April 16, 2016, Statesboro, GA, USA.
16. Poole, A.* Anderson, K.W.* , Shah, B.* , **Aslan, A.** (2015). Comparison of defined chromogenic substrate assay and Method 1600 for monitoring Enterococci in tidal rivers. American Society for Microbiology 115th General Meeting, May 30-June 2, 2015, New Orleans, LA, USA.
17. **Aslan A.**, Beslin, C.* , Benevente, S.* , & Poole, A.* (2015). Fecal indicator bacteria in sachet water collected from the streets of Ghana. Water Microbiology Conference, May 18-21, 2015, UNC Chapel Hill, NC, USA.

18. Poole, A.* , Anderson, K.* , Shah, B.* , & **Aslan, A.** (2015). Comparison of fecal indicator bacteria and beach water quality exceedences in a tidal river beach in Georgia. Georgia Southern Research Symposium, April 24, 2015, Statesboro, GA, USA.
19. Odion, B.* , Benevente, S.* , & **Aslan, A.** (2015). Determination of the efficiency of the removal of microbiological contaminants following a wastewater treatment process. Georgia Southern Research Symposium, April 24, 2015, Statesboro, GA, USA. (*first place award winner for oral presentation*)
20. Mc Neal, S.* , **Aslan, A.** (2015). Microbial quality of oysters and oyster growing waters in Chatham County. Georgia Southern Research Symposium, April 24th, 2015, Statesboro, GA, USA.
21. Anderson, K.* , Poole, A.* , Shah, B.* , **Aslan, A.** (2015). Microbial source tracking at a tidal river beach. Georgia Southern Research Symposium, April 24, 2015, Statesboro, GA, USA.
22. Beslin, C.* , Benevente, S.* , Poole, A.* , **Aslan, A.** (2015). Assessment of *E. coli* in sachet water collected from the streets of Ghana. Georgia Southern Research Symposium, April 24, 2015, Statesboro, GA, USA.
23. Benevente, S.* , **Aslan, A.** (2015). Quantification of sewage pollution using microbial source tracking technique at an urban beach. Georgia Southern Research Symposium, April 24, 2015, Statesboro, GA, USA. (*second place award winner for poster presentation*)
24. Odion, B.* , Benevente, S.* , **Aslan, A.** (2015). Assessment of environmental contaminants resulting from a wastewater treatment plant. Georgia Public Health Association 86th Annual Meeting and Conference, April 13-14, 2015, Atlanta, GA, USA.
25. Benevente, S.* and **Aslan, A.** (2015). Limitations of routine beach monitoring and its potential impact on public health. Georgia Public Health Association 86th Annual Meeting and Conference, April 13-14, 2015, Atlanta, GA, USA.
26. Odion, B.* , Benevente, S.* , **Aslan, A.** (2015). Occurrence of microbiological contaminants in a watershed impacted by a wastewater treatment plant. 54th Annual Meeting and ToxExpo Society of Toxicology, March 22-26, 2015, San Diego, CA, USA.
27. Benevente, S.* and **Aslan, A.** (2014) Impact of point and non-point sources on urban beaches. American Society for Microbiology 100th Southeastern Branch Meeting, 5-6 September, 2014, Pointe Verde, FL, USA.
28. Awolusi, T.* , Benevente, S.* , **Aslan, A.** (2014). A Review of Amoeba Outbreaks in Recreational Waters American Society for Microbiology 100th Southeastern Branch Meeting, 5-6 September, 2014, Pointe Verde, FL, USA.
29. Sapp, K.* and **Aslan, A.** (2014). Pathogen removal during wastewater treatment and the impact of the effluents on the water quality in a rural watershed in Southeastern Georgia. 2014 Water Microbiology Conference, May 5-9, 2014, Chapel Hill, NC, USA.
30. Benevente, S.* , **Aslan, A.** (2014). Tracking sources of pathogens at Georgia beaches. Georgia Southern Research Symposium, April 15, 2014, Statesboro, GA, USA.
31. Sapp, K.* and **Aslan, A.** (2014). Assessment of wastewater treatment efficacy for *E. coli* removal. Georgia Southern Research Symposium, April 15, 2014, Statesboro, GA, USA.
32. Sapp, K.* and **Aslan, A.** (2014). Assessment of wastewater treatment efficacy for pathogen removal. Phi Kappa Phi Research Symposium, February 14-23, 2014, Statesboro, GA, USA.
33. Sexton, J.* , Fung, I., **Aslan, A.** (2014). A review of *Vibrio parahaemolyticus* and *Vibrio vulnificus* in the marine environment of Coastal Georgia, USA. Sigma Theta Tau International Honor Society for Nursing Conference, March 3, 2014, Statesboro, GA, USA.
34. Sexton, J.* , **Aslan, A.** , Fung, I. (2014). A review of foodborne disease outbreaks in Georgia, USA, 1993-2011. 2nd Annual Global Health and Infectious Disease Conference, March 28, 2014, , St Louis, MO.

35. Hofstra N, **Aslan A.**, Rose, J.B. (2013). Mapping waterborne pathogens in surface waters worldwide. 17th International Health Related Water Microbiology Symposium, September 15-20, 2013, Florianópolis, Brazil.
36. Zeki, S. *, **Aslan, A.**, Rose, J.B. (2013). Microbial source tracking at an urban estuary (Golden Horn, Turkey). 17th International Health Related Water Microbiology Symposium, September 15-20, Florianópolis, Brazil.
37. Brooks, Y. *, **Aslan, A.** Rose, J.B. (2011). Calculating DNA Stability Over Time in Storage of Environmental Water Samples in Malawi, East Africa and the Great Lakes Region, USA. Water and Health: Where Science Meets Policy. October 3-7, 2011, North Carolina, USA.
38. Demir, V., Yuksek, A., Yilmaz, I.N., Demirel, N., **Aslan, A.**, Karhan, S.U., Zeki, S., Altiok, H., Müftüoğlu, E., Okus, E. (2011). The effects of a yacht marina on the marine life in Fethiye SPA. World Conference of Marine Biodiversity, September 26-30, 2011, Aberdeen, Scotland (UK).
39. Demirel, N., Yuksek, A., Karhan, S.U., Yilmaz, I.N., **Aslan, A.**, Demir, V., Zeki S. (2011). The effects of fish farming on the marine environment in two Specially Protected Areas on the Turkish coast of the Aegean Sea World Conference of Marine Biodiversity, September 26-30, 2011, Aberdeen, Scotland (UK).
40. **Aslan A.**, Zeki S. *, Rose, J.B. (2011). Pilot mapping of qPCR markers and bacterial diversity in a sewage impacted estuarine water. 16th International Health Related Water Microbiology Symposium, September 18-23, 2011, Rotorua, New Zealand.
41. Brooks, Y. *, **Aslan, A.**, Rose, J.B. (2011). Comparing DNA Extraction Methods for Environmental Water Samples: A Malawi Case Study. American Society for Microbiology Michigan Branch Meeting, April 8-9, 2011, Michigan, USA.
42. **Aslan-Yilmaz, A.** and Rose, J.B. (2010). Comparison of Bacteroides human markers for pollution diagnostics in recreational waters. 2010 Great Lakes Beach Association (GLBA) Conference, October 19-22, 2010, Pennsylvania, USA.
43. **Aslan-Yilmaz, A.**, McNinch, R., Dreelin, E., Rose, J.B. (2010). Mapping and Communicating Sewage Contributions to Global Waters. International Water Association (IWA) World Water Congress and Exhibition, September 19–24, 2010, Montréal, Canada.
44. **Aslan-Yilmaz, A.** and Rose J.B. (2010). Water Quality Monitoring of Global Waters by Innovative Tools. 2nd All Africa Environmental Health Congress 2010, May 24-27, 2010, Lilongwe, Malawi.
45. Okus, E., Altiok, H., **Aslan- Yilmaz, A.**, Ovez, S., Tas, S., Kiratli, N., Yuksek, A., Yilmaz N., Muftuoglu A.E., Sur, H.I. (2010). Extreme conditions in the strait of Istanbul (Bosphorus). 39th CIESM Congress (Mediterranean Science Commission), May 10-14, 2010, Venice, Italy.
46. Okus, E., Zeki, S., Demir, V., Demirel, N., Yüksek A., Yilmaz. I.N., **Aslan-Yilmaz, A.**, Karhan, S.U., Müftüoğlu, A.E., Tural ,U., Murat, E., Gazioglu, C. (2010). Anchor Damage on *Posidonia oceanica* (L.) Delile Beds in the Gokova Bay. 39th CIESM Congress (Mediterranean Science Commission), May 10-14, 2010, Venice, Italy.
47. **Aslan-Yilmaz A.** and Verhaugstraete, M. (2010). Water Quality and Climate Change. Climate Change Vulnerabilities and Opportunities: Michigan and Beyond. April 26, 2010, Lansing, Michigan, USA.
48. **Aslan-Yilmaz, A.** (2009). Exposure to Pathogenic Viruses in Coastal Systems in the Great Lakes ISES 2009 Symposia, November 5, 2009, Minneapolis, USA.
49. **Aslan-Yilmaz, A.**, Rose J.B., Srinivasan, S. (2009). Efficiency of a small fragment Bacteroides marker as a microbial source tracking tool for water pollution. 15th International Health Related Water Microbiology Symposium, May 31-June 5, Naxos, Greece.
50. **Aslan-Yilmaz, A.**, Yokes, B., Okus, E., Rose J.B. (2009). The variations of bacterioplankton in a stratified inland sea, ASLO Aquatic Sciences Meeting, February 2009, Nice, France.

51. Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Demirel, N., Demir, V., Zeki, S. (2007). The Threats on the Biodiversity of Gökova Specially Protected Area and Solutions for a Sustainable Environment, MEDCOAST, 2007, Alexandria, Egypt.
52. Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Demirel, N., Demir, V. (2007). Ichthyoplankton Distribution in April-September Period in Datca-Bozburun Specially Protected Area, MEDCOAST, 2007, Alexandria, Egypt.
53. Yilmaz, N., **Aslan-Yilmaz, A.**, Yuksek, A., Okus, E. (2007). Changes in mesozooplankton community structure in a highly stratified basin due to anthropogenic forcing. "4th International Zooplankton Production Symposium", May 28 - June 1, 2007, Hiroshima, Japan.
54. **Aslan-Yilmaz, A.**, Okus, E., Yuksek, A. (2007). The distribution and the protozoan grazing effect on the survival of bacteriological indicators of pollution at discharge polluted marine sediments The 38th CIESM Congress, April 9-13, 2007, Istanbul, Turkey.
55. Okus, E., Yuksek, A., Altıok, H. Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Demirel, N., Muftuoğlu, A.E., Demir, V., Zeki, S., Kalkan E., Tas S. (2006). Biodiversity at the western Fethiye Bay. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.
56. Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U., Öz, M.İ., Demirel, N., Tas S., Zeki, S., Demir, V., Altıok, H., Muftuoğlu, A.E., Gazioglu, C. (2006). Marine Biological Diversity Assessment of Datca-Bozburun specially protected area. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.
57. Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Demirel, N., Demir, V., Zeki, S., Tas S., Sur H.İ, Altıok H., Muftuoğlu A.E., Balkis N., Aksu A., Gazioglu C. (2006). Marine Biological Diversity Assessment of Gokova specially protected area. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.
58. **Aslan-Yilmaz, A.**, Okus E., Övez S. (2004). Point discharge contamination of the strait of Istanbul (Bosphorus) upper flow. "Fourth Black Sea International Conference Environmental Protection Technologies For Coastal Areas", June 9-11, 2004, Varna, Bulgaria.
59. Okus, E., **Aslan-Yilmaz, A.**, Tas S., Yilmaz, N. (2004). Alterations in inorganic nutrients of the Golden Horn estuary following rehabilitation studies. "Fourth Black Sea International Conference Environmental Protection Technologies for Coastal Areas", June 9-11, 2004, Varna, Bulgaria.
60. Okus E., **Aslan-Yilmaz, A.**, Övez S. (2004). Spatial and Temporal Distribution of Bacteriological Pollution at Istanbul Shoreline. Marine Bacteriology 2004, November 25-27, 2004, Istanbul Turkey.
61. **Aslan-Yilmaz, A.**, Okus E., Övez S. (2004). Evaluation of Bacteriological Pollution By Time Series Data in Golden Horn. Marine Bacteriology 2004, November 25-27, 2004, Istanbul Turkey.
62. Yuksek, A., Okus E., Yilmaz, N., **Aslan-Yilmaz, A.** (2004). Preliminary studies on the Magnoliophyta in southern Marmara archipelago. V. National Ecology and Environment Congress, October 5-8, 2004, Bolu, Turkey.
63. Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Öz, M.İ., Demirel, N., Tas S. (2004). Coastal and Marine Biological Diversity in Datca-Bozburun specially protected area. V. National Ecology and Environment Congress, October 5-8, 2004, Bolu, Turkey.
64. Övez S., Okus E., **Aslan-Yilmaz, A.** (2003). Retrospective of the microbiological pollution in Golden Horn Estuary. Golden Horn Symposium; the past and the future. May 22-23, 2003, Istanbul, Turkey.
65. Okus E., **Aslan-Yilmaz, A.**, Tas S. (2002). Time Series Analysis of Nutrients in Southwestern Black Sea and the Sea of Marmara. "Second International Conference on "Oceanography of the Eastern Mediterranean and Black Sea: Similarities and Differences of Two Interconnected Basins", October 14-18, 2002, Ankara, Turkey.
66. **Aslan-Yilmaz, A.**, and Okus E. (2002). Distribution of Heterotrophic Bacteria in Southwestern Black Sea and the Sea of Marmara. "Second International Conference on "Oceanography of the Eastern Mediterranean

- and Black Sea: Similarities and Differences of Two Interconnected Basins", October 14-18, 2002, Ankara, Turkey.
67. Okus E., **Aslan-Yilmaz, A.**, Yuksek, A., Tas S., Tufekci, V. (2001). Nutrient Distribution at Bosphorus and Surrounding Areas. Third Black Sea International Conference Environmental Protection Technologies For Coastal Areas, June 6-8, 2001, Varna, Bulgaria.
 68. Okus E., **Aslan, A.**, Yuksek, A. (2001). The effect of August 1999 earthquake on the microbiological pollution of the Izmit Bay. IV. National Ecology and Environment Congress, October 5-8, 2001 Bodrum, Turkey.
 69. Okus E., **Aslan, A.**, Tas S, Yilmaz, N., Yuksek, A., Polat-Beken, C. (2001). Distribution of nutrients and chlorophyll a following 1999 Izmit earthquake. IV. National Ecology and Environment Congress, October 5-8, 2001, Bodrum, Turkey.
 70. Okus E., **Aslan, A.**, Tas S, Yilmaz, N., Polat-Beken, C. (2001). Distribution of nutrients and chlorophyll a at the Golden Horn Estuary. Golden Horn 2001 Symposium, May 3-4, 2001, Istanbul, Turkey.
 71. **Aslan, A.**, Okus E., Övez S., Bayhan H., Aydin A.F. (2001). Temporal changes in the microbiological pollution of the Golden Horn Golden Horn 2001 Symposium, May 3-4, 2001, Istanbul, Turkey.

INVITED SPEAKER

1. Microbial Source Tracking: A Rapid Tool for Beach Safety (Georgia SeaGrant, February 6, 2020, Brunswick, Georgia, USA).
2. What is in your Water? The state of the private well water quality in Evans County (Rotary Club, Evans County February 21, 2018, Claxton, Georgia, USA).
3. Molecular Identification of the Sources of Non-Point Pollution and Microbial Risk Assessment upon Exposure to Recreational Waters at Jekyll Island Beaches (Jekyll Island Authority May 26, 2016, Brunswick, Georgia, USA).
4. Application of Rapid Molecular Techniques to Track Sources of Pathogens in Water (Georgia Southern University, Department of Chemistry Seminar Series October 8, 2015, Statesboro, Georgia, USA).
5. Microbial Source Tracking in Sub Saharan Africa Waters (Tanzania Partnership Meeting September 12-13, 2012, East Lansing, Michigan, USA).
6. Water Quality in Food Industry (MJN Food Safety Advisory Panel September 5-6, 2012, East Lansing, Michigan, USA).
7. Water Quality and Health; Current Technology and Global Applications (American-Turkish Higher Education Forum: Trends in Higher Education June 3-6, 2012, Istanbul, Turkey).
8. Global Health and Water Quality (CASID Center for Gender in Global Context, March 2, 2012, East Lansing, Michigan).
9. Water Availability and Quality Issues in Turkey and Eurasia (Energy-Water Nexus in Eurasia Workshop, May 6-7, 2011 East Lansing, Michigan, USA).
10. Cities of the Future: Challenges for Water and Sanitation (Global Urban Studies Workshop Spring 2011 April 25 2011, East Lansing, Michigan, USA).
11. Mapping Global Water Pollution; Current Technology and Future Applications (Experts Exchange: Opportunities in Bio-Innovation. April 13, 2011, Holland, Michigan, USA).
12. Applying Water Quality Research to the Environmental Challenges of Eurasia (Central Asia Day: Building Human Resources and Institutional Capacity for Sustainable Development of Central Asia. October 28, 2010, East Lansing, Michigan, USA).

13. Climate Change and Water Quality (Bioeconomy and Global Climate Change, Climate Change Vulnerabilities and Opportunities: Michigan and Beyond Symposium, April 26-27, 2010, East Lansing, Michigan, USA).
14. Building Beach Managers Capacity for Using Rapid Tools (Michigan Environmental Health Association, Annual Educational Conference, March, 25 2010, Bay City, Michigan, USA).
15. Tracking Microbial Pollution of Global Waters (World Water Day, United Nations Assemblage Lansing Chapter, March 14, 2010, East Lansing, Michigan, USA).
16. Transboundary Waters and Water Quality; a case study: Turkey (Michigan State University, Fisheries and Wildlife Department GSO Series, February, 26 2010, East Lansing, Michigan, USA).
17. Water and Environmental Challenges in Turkey (Michigan State University, Center for European, Russian and Eurasian Studies, East Lansing, Michigan, April, 29 2009).

TEACHING EXPERIENCE

COURSES DESIGNED AND TAUGHT

- 2013 - Current* *Principal Instructor (Georgia Southern University)*
- PUBH 6532A- Environmental Health (2013-2016, 2018-present)
 - PUBH 4232-Global Environmental Health (2017-2019)
 - ENVH 8335- Global Water and Sanitation: Principles and Research (2017-present)
 - PUBH 8132- Environmental and Occupational Health (2017)
 - PUBH 6532F (online)-Environmental Health (2014, 2016-present)
 - ENVH 7232-Water Quality (2014-present)
 - PUBH 3136 Principles of Environmental Health (2016)
- Honors Research and Independent Study*
- BIOL 4895-Honors Research (2017-2018; total: 1)
 - PUBH 7890-Directed Individual Study (2015-present; total:12)
 - PUBH 7991-Public Health Capstone Research Project (2014-present; total: 8)
- 2006 - 2008* *Principal Instructor (Other Institutions):*
- FDBY 9003- Nutrients in Seawater (Istanbul University Institute of Marine Sciences and Management)
 - MC 492-Senior Seminar: Eurasian Natural; Resource Challenges and Conflicts (Michigan State University, James Madison College)
 - MC 221-International Relations II: Natural resource and international environmental constraints in industrialized and developing countries (Michigan State University, James Madison College)
 - FDBD 9023- Pelagic Food Webs (Istanbul University Institute of Marine Sciences and Management)
 - FDBD 9016-Planktonology (Istanbul University Institute of Marine Sciences and Management)
- 2014 – present* *Guest Lecturer (Georgia Southern University):*
- ENVH 6232-Environmental Health: Water Quality (Spring 2016-present)
 - BIOL 5243G-Toxicology: Water Quality-Ecosystem and Public Health Perspectives (Fall 2014-present)
 - PUBH 3136 Principles of Environmental Health: Water Quality (Spring 2014-present)
 - PUBH 5520-Introduction to Public Health: Water Quality in Georgia (Fall 2016)
 - ENVH 7235-Field Methods: Field Sampling for Water Quality (Fall 2015)

- ENVH 7233-Environmental Exposure and Impact Assessment: Impact Analysis: Geology, Soil and Water Resources (Fall 2014-2016)
 - PUBH 3136-Principles of Environmental Health: Solid and Liquid Waste Management (Spring 2014)
- Spring 2010-2012 Study Abroad Program Lecture Series: Water Quality Challenges in Eurasia (Michigan State University, James Madison College)
- Fall 2009 ENE 890 Water Quality and Public Health: Principles and Latest Research: Water quality and management in the Eastern Mediterranean (Michigan State University, Department of Civil and Environmental Engineering)

Other:

- Study Abroad Program: Water quality and energy Michigan State University, James Madison College)

STUDENT MENTORING ACTIVITIES

Doctoral Dissertation Chair (Georgia Southern University):

- ❖ James Edward Dotherow (2020-present)
 - Title: Well Stewardship Behaviors in a Rural Georgia County
- ❖ Sarah Jillson (2020-present)
 - Title: A Health Risk Assessment of Human Opportunistic Pathogens in Beach Water and Sand
- ❖ Spencer John Barron (2016-2020)
 - Title: A Pilot Study Assessing Water Quality, Associated Health Risks, and Impact of Current Policies in Rural Georgia

Master's Thesis co-Chair (Georgia Southern University):

- ❖ Samantha Alvey (2020-present)

Doctoral Dissertation External Reviewer:

- ❖ Serhat Alper Yasar (2015), University of New South Wales
 - Title: The Evaluation of Microbial Source Tracking Methods to Assess and Predict Host-Specific Faecal Contamination of Surface Waters in Sydney, Australia
- ❖ Majedul Islam (2013), Wageningen University, Institute for Environment and Climate Research
 - Title: Quantifying the Impact of Flooding on Faecal Indicator Organisms in the Betna River Basin of Southwest Bangladesh

MPH Capstone Advisor (Georgia Southern University):

- ❖ Michela Hizine (2019-2020)
 - Title: Microbiological quality of packaged water from Ghana
- ❖ Galela Shabani (2016-2017)
 - Title: Release of Antibiotic-Resistant Bacteria in an Urban Wastewater Treatment Facility
- ❖ Kendall Anderson (co-advisor; 2015-2016)
 - Title: Comparison of Fecal Indicator Bacteria Detection Techniques Used for Routine Monitoring at a Freshwater Beach
- ❖ Blessing Odion (2014-2015)
 - Title: Occurrence of Tetracycline Resistance Genes in a River Impacted by Wastewater Treatment Plant Effluents
- ❖ Samantha McNeal (2014-2015)
 - Title: Fecal Indicator Bacteria in Chatham County Shellfish Harvesting Areas
- ❖ Christina Beslin (2014-2015)
 - Title: Assessment of Fecal Indicator Bacteria in Sachet Water Collected from the Streets of Ghana
- ❖ Sara Benevente (2013-2015)
 - Title: Comparison of Culture and Molecular Methods to Detect Pollution at a Wastewater Impacted Beach
- ❖ Kristen Sapp (2013-2014)
 - Title: Assessing point source pollution in recreational waters

MSc Thesis Committee Member:

- ❖ Simpo Rose Ogwa Akech (Georgia Southern University, Department of Chemistry) (2016-2017)
- ❖ Jason Duff (Georgia Southern University, Department of Biology) (2015-2017)

Funded Student Grants

- ❖ Advisor: Occurrence of Human Opportunistic Pathogens in Sand and Beach Water Impacted by Wastewater, *Principal Investigator*: Sarah Jillson), Funded by: Georgia Southern University Graduate Student Professional Development Fund \$932), (June 2019-May 2020).
- ❖ Advisor: Project H2O: Assessment of microbial contamination in different types of drinking water in the Ashanti Region of Ghana (*Principal Investigator*: Michela Hizine), Funded by: Georgia Southern University Graduate Student Professional Development Fund \$850), (June 2019-May 2020).
- ❖ Advisor: Tracking Sources of Pathogens at Tybee Beaches, (*Principal Investigator*: Sara Benevente), Funded by: Georgia Southern University Graduate Student Professional Development Fund \$941), (June 2014-May 2015).

LEADERSHIP EXPERIENCE

2019-present

Provost Faculty Fellow, Georgia Southern University, Office of Research

- ❖ Chair, Research Impact Areas Implementation Committee
 - Developed a plan for implementing university research impact areas with research associate deans
 - Trained personnel on collecting and analyzing historical funding on each of the research impact areas
 - Presented the dissemination plan to the Vice Provost for Research and the Provost
 - Currently developing content for marketing and communications to revise the preliminary website
- ❖ Co-Chair, Faculty Advisory Board
 - Led a group of research intensive faculty to identify transdisciplinary research areas for the university strategic plan
 - Developed procedures to identify areas that faculty have extensive experience and have been successful in sponsored research
 - Synthesized reports from subcommittees and short listed areas that are of transdisciplinary with vast amount of faculty experience across the campuses
 - Developed a final report with recommendation for implementation and presented these recommendations to the university administration
- ❖ Chair, Undergraduate Research Council
 - With the input from deans, identified faculty active in undergraduate research mentoring to serve in the committee
 - Assessed current undergraduate research activities and identified faculty, student, and administration needs
 - Based on the needs assessment, developed a strategic plan for undergraduate research
 - Chaired Research Symposium organization committee
 - Revised and restructured application and evaluation procedures for students and faculty internal funding support
- ❖ Chair, Georgia Southern Research Core Laboratories and Infrastructure initiative
 - Documented existing research infrastructure
 - Revised university expenditure and sponsored awards databases and created a periodical reporting structure that is transparent to relevant units

- Developed a guidance document to establish new centers, institutes, and core laboratories
 - Streamlined periodical reporting procedures of existing centers and institutes to the VPR
 - ❖ Chair, Campus Research Facilities Reopening Plan Subcommittee
 - Developed safety guidelines for faculty and students returning to their research activities during the pandemic
 - ❖ Other responsibilities
 - Assisted VPR in developing key performance indicators for evaluating university research and scholarship activities
 - Currently working towards restructuring international research activities
 - Revised pre-award processes and assisted AVPR with writing the response for the NCURA report
- 2018-2019 **Chair**, BSPH Environmental Health Concentration
- ❖ Worked with the faculty to develop curriculum for the new concentration
 - ❖ Presented the concentration at college and university curriculum committees
 - ❖ Developed new courses for the concentration
- 2017-present **Founding member and Co-Chair**, American Public Health Association, Environmental Health Section, Water and Health Committee
- ❖ Led developing a strategic plan for the Water and Health Initiative
 - ❖ Organized quarterly committee meetings
 - ❖ Organized a water and health event in APHA General Meeting
- 2011-present **Workshop organizer**
- ❖ Healthy Beaches, Healthy People: Waterborne Pathogens Workshop, March 25, 2015, Savannah, GA.
 - ❖ A 100 year study in the Great Lakes: Assessing Transboundary Pollution Sources, February 20, 2013, Chicago, IL.
 - ❖ Quantitative Microbial Risk Assessment Workshop, February 21, 2013, Chicago, IL.
 - ❖ Rapid Methods for Recreational Beaches Michigan Environmental Health Association Annual Education Conference, March 17, 2011, Traverse City, MI.
 - ❖ Introduction to Rapid Methods, USEPA National Beach Conference, March 14, 2011, Miami, FL (http://water.epa.gov/type/oceb/beaches/meeting2011_training.cfm).
 - ❖ Rapid Methods Training for Great Lakes Research Initiative Sanitary Survey Grant Recipients Workshop, Upper Peninsula Environmental Health Organization, February 22-25, 2011, Ishpeming, MI.
- 2009-2013 **Co-director**, International Collaboration for Sewage, Michigan State University
- ❖ Gathered a group of international group of experts in water and health research and applied for federal funding
 - ❖ Organized leadership meetings and expert roundtables during IWA's Health Related Water Microbiology Symposia
 - ❖ Created a publicly available database for the duration of the project that summarize microbial source tracking literature
 - ❖ Led developing a website for the duration of the project to share laboratory protocols between researchers

SERVICE EXPERIENCE

INTERNATIONAL AND NATIONAL

Leadership in Professional Organizations:

- ❖ Chair, American Public Health Association, Environmental Health Section, Water and Health Committee (2017-present)
- ❖ Co-chair, Georgia Public Health Association, Rural Health Section (2018-present)

Journal Editorial/Reviewer Board:

- ❖ Frontiers in Environmental Health (2015-present)

Peer Review Service

Grant Reviewer:

- ❖ Southern California Sea Grant Reviewer (2019)
- ❖ Hawai'i Sea Grant Reviewer (2019)
- ❖ Rose Graduate Fellowship in Water Research, Michigan State University, Graduate School (2017-present)
- ❖ US Environmental Protection Agency, National Center for Environmental Research (NCER) (2014)
- ❖ Virginia Sea Grant, External Reviewer (2011)
- ❖ MSU Center for Water Sciences, Water Initiative Research Grants (2010)

Manuscript Reviewer for the Following Journals:

- ❖ Science of the Total Environment
- ❖ Water
- ❖ Journal of Environmental Quality
- ❖ Frontiers Environmental Science
- ❖ International Journal of Environmental Research and Public Health
- ❖ Frontiers Microbiology
- ❖ Frontiers in Environmental Health
- ❖ Journal of Water and Health
- ❖ Environmental Science & Technology
- ❖ Water Research
- ❖ Marine Pollution Bulletin

Symposia Abstracts Reviewer:

- ❖ American Society for Microbiology 99th Southeastern Branch Meeting Student/Post Doc Research Presentation Judge (2013)

Student Fellowship Program Reviewer:

- ❖ The Association of Schools and Programs of Public Health (ASPPH), ASPPH/EPA Environmental Health Fellowship Program (2014-present)
- ❖ National Science Foundation Graduate Research Fellowship Program (GRFP) (2014-present)

Professional Society Memberships

- ❖ Georgia Public Health Association (2016-present)
- ❖ American Society for Microbiology, Southeastern Branch (2013-present)
- ❖ American Public Health Association (2013-present)
- ❖ The American Association for the Advancement of Science (AAAS) (2012-present)
- ❖ International Water Association (2008- present)
- ❖ American Society for Microbiology (2005- present)

UNIVERSITY SERVICE

- ❖ Faculty Research Committee Member (2020-present)
- ❖ Wexford Campus Steering Committee Member (2020-present)
- ❖ Undergraduate Curriculum Committee Member (2020-present)

- ❖ Office of Research Internal Evaluation Subcommittee Member (2020-present)
- ❖ Institutional Biosafety Committee Member (Georgia Southern University, 2015-present)
- ❖ Faculty Senate Alternative (2017-present)
- ❖ Graduate Committee Alternate (2017-2018)
- ❖ Faculty Grievance Committee Member (Georgia Southern University, 2013-2014, 2014-2015, 2016-2017)

COLLEGE SERVICE

- ❖ MPH Core Curriculum Committee (2020-present)
- ❖ Diversity Committee (2019-present)
- ❖ Curriculum Committee (2019-present)
- ❖ Undergraduate Program Committee Member (2014-present)
- ❖ Assessment Committee, Environmental Health Sciences Representative (2013-2019)
- ❖ JPHCOPH Public Health Practice Advisory Board Meeting Environmental Health Sciences Representative (2017-2018)
- ❖ DrPH Exam Secondary Reviewer (Georgia Southern University, 2013, 2014, 2018)
- ❖ Online Core Course Development Committee (Georgia Southern University, 2014)

DEPARTMENT SERVICE

- ❖ Faculty Search Committee Member (Georgia Southern University, 2015-2016)
- ❖ India Study Abroad Program Development Committee Member (Georgia Southern University, 2015-2016)
- ❖ Faculty Search Committee Member (Georgia Southern University, 2013-2014, 2015-2016)
- ❖ SOPHAS reviewer (Georgia Southern University, 2013-present)
- ❖ Participation in student recruitment activities
 - College presentation in USC Beaufort Student Conference (Georgia Southern University, 2015)
 - Georgia Perimeter College visit (Georgia Southern University, 2015)
 - Participation in the Graduate Fair (Georgia Southern University, 2015)
 - Direct communication with prospective ENVH students (Georgia Southern University, 2014-present)

COMMUNITY OUTREACH ACTIVITIES

- ❖ Coastfest (2015-present)
- ❖ STEMfest (2014-present)
- ❖ Evans County CARES Foundation Award Ceremony and Community Meeting (September 2016-present)
- ❖ Evans County CARES Foundation Board Meeting (February 12, 2018)
- ❖ Ogeechee River Public Meeting, College of Sciences and Mathematics, invited speaker for presenting results from the Kings Ferry Beach Source Tracking study (September 20, 2016)
- ❖ Dodge County Household Water Quality Study Planning Meeting (February 10, 2016)
- ❖ Jekyll Island Authority Beach Water Quality Information Meeting (May 26, 2016)
- ❖ Ogeechee Riverkeeper Board Meeting (Presented results from Kings Ferry Beach Source Tracking study (May 3, 2016).
- ❖ What is in My Water? Kings Ferry Beach Water Quality Public Meeting, April 25, 2015, Savannah, GA. In collaboration with Ogeechee RiverKeeper
- ❖ Savannah Morning News- interview published online (December 20, 2014) Retrieved from: <http://savannahnow.com/news/2014-12-20/researchers-pinpoint-ogeechee-pollution-kings-ferry>
- ❖ Green Screen Festival; In collaboration with Jekyll Island Authority-(February 20, 2015)

HONORS, AWARDS, AND RECOGNITION

- ❖ Nominated for University Excellence in Research Award (2020)
- ❖ JPHCOPH Faculty Award Recipient for Excellence in Scholarship (2020)
- ❖ Featured in Georgia Southern Spotlight (2016)
- ❖ Nominated for DSAC Faculty Mentoring Award (2015)
- ❖ Nominated for Public Health Student Association Faculty Mentorship (2013)