

Curriculum Vitae

Asli Aslan

Georgia Southern University
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EDUCATION

- 2008 **Ph.D.**–Physical Oceanography and Marine Biology-Istanbul University- Istanbul, Turkey
Emphasis Area: **Water quality, marine microbial biodiversity and ecology**
Dissertation: The spatio-temporal distribution and identification of aerobic heterotrophic bacteria isolated from the Black and Marmara seas.
Advisor: Dr. Halil Ibrahim Sur
- 2002 **M.Sc.**–Physical Oceanography and Marine Biology-Istanbul University- Istanbul, Turkey
Emphasis Area: **Water quality and fecal indicator bacteria**
Dissertation: Monitoring discharges at Bosphorus, Black Sea exit of the Strait and the northeastern Marmara Sea by indicator microorganisms.
Advisor: Dr. Erdogan Okus
- 1999 **B.Sc.**- Biology (Microbiology) Istanbul University Faculty of Sciences-Istanbul, Turkey

PROFESSIONAL EXPERIENCE

- August 2013-present **Assistant Professor**
Georgia Southern University, Jiann-Ping Hsu College of Public Health, Environmental Health Sciences Department
- November 2011-July 2013 **Research Assistant Professor**
Michigan State University- non-tenure track joint appointment with the College of Agriculture and Natural Resources and International Studies and Programs
- 2009-present **Co-Director**
International Collaboration for Sewage
- 2008-2011 **Visiting Research Associate**
Michigan State University- College of Agriculture and Natural Resources
- 2000-2008 **Research Assistant**
Istanbul University- Institute of Marine Sciences and Management
- June-July 1998 **Summer Intern**
Mustafa Nevzat Pharmaceuticals-Microbiology R&D Laboratory
- June-July 1997 **Summer Intern**
Marmara University Hospital- Microbiology Laboratory

AWARDS

- ❖ Travel Award for Young Investigators, “Fourth International Zooplankton Production Symposium”, May 28 - June 1, 2007, Hiroshima, Japan.
- ❖ The Scientific and Technological Research Council of Turkey, Support Programme for International Scientific Publications, 2006a.
- ❖ The Scientific and Technological Research Council of Turkey, Support Programme for International Scientific Publications, 2006b.
- ❖ The Scientific and Technological Research Council of Turkey, Support Programme for International Scientific Publications, 2005.
- ❖ Istanbul University Scientific Research Projects, Support Programme for Scientific Publications, 2002.

FUNDED GRANTS

- ❖ *Co-Principal investigator*: Building Beach Managers Capacity for Using Rapid Tools (Funded by; USEPA and Michigan DNR, \$225,000.00), (October 2010-April 2013).
- ❖ *Co-Principal investigator*: Healthier Great Lakes Beaches Through Improved Communication (Funded by; USEPA and Michigan DNR, \$100,000.00) (October 2010-April 2012).
- ❖ *Co-Principal Investigator*: Microbiological Pollution Monitoring at the Coastal Areas of Istanbul. (Funded by: General Directorate of Istanbul Water and Sewerage Administration, \$400,000.00) (2002-2008).
- ❖ *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, \$6,000.00), Project no: T-1048), (2006-2008).
- ❖ *Co-principal investigator*: Distribution of *Clostridium perfringens* in the Sea of Marmara Sediments Influenced by Deep Discharges (Funded by: Istanbul University Research Fund, \$5,000.00, Project no: 1728/15082001), (2001-2003).

OTHER RESEARCH PROJECTS

- ❖ *Lead researcher for virus testing*: City of Toledo Ballasted Flocculation Pathogen Sampling Study. Funded by: USEPA and the City of Toledo, (2008-present).
- ❖ *Lead researcher for virus testing*: Chicago Health, Environmental Exposure and Recreation Study (CHEERS). Funded by: Metropolitan Water Reclamation District of Greater Chicago, (2008-2009).

- ❖ *Researcher*: Anaerobic degradation of petroleum hydrocarbons in anoxic marine environments. Funded by: The scientific and technological research council of Turkey TUBITAK (CAYDAG). (2006-2010).
- ❖ *Researcher*: Pollution monitoring in the Black Sea. Funded by: Ministry of Environment and Forestry (2003- ongoing project). Water Quality Monitoring at the Golden Horn Estuary. Funded by: General Directorate of Istanbul Water and Sewerage Administration. (1998-2008).
- ❖ *Researcher*: Water Quality Monitoring. Funded by: General Directorate of Istanbul Water and Sewerage Administration. (1999-2008).
- ❖ *Researcher*: Monitoring of pollutants from the Black Sea to the Strait of Istanbul. Funded by: General Directorate of Istanbul Water and Sewerage Administration. (2003-2004).
- ❖ *Researcher*: Sampling programme at the Sea of Marmara on behalf of MEMPIS project. (2005-2006) Assessment of marine pollution caused by VOLGONEFT 248 oil spill accident Funded by:SKULD (1999-2006).
- ❖ *Researcher*: Oceanography of the Izmit Bay Following 1999 Earthquake. Turkish Ministry of Environment (1999-2000).
- ❖ *Researcher*: Marine Biological Diversity Assessment of Gokova special environmental protection area. Funded by: Ministry of Environment and Forestry, Authority for Specially Protected Areas, Ministry of Environment (2005-2006).
- ❖ *Researcher*: Marine Biological Diversity Assessment of Fethiye Bay. (Authority for Specially Protected Areas, Ministry of Environment) (2005).
- ❖ *Researcher*: Marine Biological Diversity Assessment of Datca-Bozburun specially protected area. Ministry of Environment and Forestry Funded by: Authority for Specially Protected Areas, Ministry of Environment (2002-2004).
- ❖ *Researcher*: Demersal Fishery Stock Assessment of the Southwestern Black Sea Funded by: Turkish National Planning Organization (2000-2008).
- ❖ *Researcher*: Demersal Fishery Stock Assessment of the Sea of Marmara Funded by: Turkish National Planning Organization (1999).
- ❖ *Researcher*: Distribution and Impacts on Fisheries of *Mnemiopsis leidyi* in the Sea of Marmara Funded by: Turkish National Planning Organization (1999).
- ❖ *Researcher*: Modeling and Landscape Study of K oyce iz-Dalyan Lagoon (1998-2000).

BIBLIOGRAPHY

PEER REVIEWED JOURNAL ARTICLES (11)

- Aslan, A.** and Rose, J.B. (2012). Evaluation of the host specificity of *Bacteroides thetaiotaomicron alpha-1-6, mannanase* gene as a sewage marker. Letters in Applied Microbiology, 56, 51-56 .
- 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.
- 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.
- 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.
- 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.
- 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. J. Black Sea/Mediterranean Environment 13, 19-34.
- Okus, 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). J. Black Sea/Mediterranean Environment 13, 39-49.
- 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.
- 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.
- 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.
- 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.

BOOK CHAPTER

Aslan, A. and Rose, J.B. (in press). Case study, Hurricane Katrina. In: Vulnerability and resilience of water systems under global extremes. Eds: Katayama et al. (Published by Alliance for Global Sustainability).

OTHER PUBLICATIONS (4)

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.](#)

Aslan, A., Dreelin, E., Poulson, D., Pavangadkar, A. (2012). [A training video for testing recreational waters using EPA qPCR Method 1611.](#)

Aslan-Yilmaz, A., Ahmed, W., Farnleitner, A., Masago, Y., Taylor, H. and Rose, J.B. (2010). Towards a healthier water environment: IC SEWAGE, Water 21, August:44-46.

Burlingame, G.A., Rose J.B., Xagorarakis, I., Coulliette, A.D. and **Aslan-Yilmaz, A.** (2009). How do we test for viruses? Opflow Online, 35, 5.

CONFERENCE PRESENTATIONS AND PROCEEDINGS (36)

Hofstra N, **Aslan A.** and Rose, J. (2013). Mapping waterborne pathogens in surface waters worldwide. 17th International Health Related Water Microbiology Symposium, September 15-20, 2013, Florianópolis, Brazil.

Zeki, S., **Aslan, A.** and 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.

Brooks, Y., **Aslan, A.** and 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.

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).

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).

Aslan A., Zeki S. and Rose, J. (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.

Brooks, Y., **Aslan, A.** and 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.

- 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.
- Aslan-Yilmaz, A.,** McNinch, R., Dreelin, E. and 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.
- 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.
- Okus, E., Altıok, H., **Aslan-Yilmaz, A.,** Ovez, S., Tas, S., Kiratlı, N., Yüksek, A., Yılmaz N., Muftuoğlu A.E. and Sur, H.I. (2010). Extreme conditions in the strait of Istanbul (Bosphorus). 39th CIESM Congress (Mediterranean Science Commission), May 10-14, 2010, Venice, Italy.
- Okus, E., Zeki, S., Demir, V., Demirel, N., Yüksek A., Yılmaz. I.N., **Aslan-Yilmaz, A.,** Karhan, S.U., Müftüoğlu, A.E., Tural ,U., Murat, E. and 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.
- Aslan-Yilmaz, A.** (2009). Exposure to Pathogenic Viruses in Coastal Systems in the Great Lakes (ISES 2009 Symposia, November 5, 2009, Minneapolis, USA).
- Aslan-Yilmaz, A.,** Rose J.B and 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.
- Aslan-Yilmaz, A.,** Yokes, B., Okus, E. and Rose J.B. (2009). The variations of bacterioplankton in a stratified inland sea, ASLO Aquatic Sciences Meeting, February 2009, Nice, France.
- Okus, E., Yüksek, A., Yılmaz, N., **Aslan-Yilmaz, A.,** Karhan S.U, Demirel, N., Demir, V. and Zeki, S. (2007). The Threats on the Biodiversity of Gökova Specially Protected Area and Solutions for a Sustainable Environment, MEDCOAST, 2007, Alexandria, Egypt.
- Okus, E., Yüksek, A., Yılmaz, N., **Aslan-Yilmaz, A.,** Karhan S.U, Demirel, N. and Demir, V. (2007), Ichthyoplankton Distribution in April-September Period in Datca-Bozburun Specially Protected Area, MEDCOAST, 2007, Alexandria, Egypt.
- Yılmaz, N., **Aslan-Yilmaz, A.,** Yüksek, A. and 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.
- Aslan-Yilmaz, A.,** Okus, E., Yüksek, 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.
- Okus, E., Yüksek, A., Altıok, H. Yılmaz, N., **Aslan-Yilmaz, A.,** Karhan S.U, Demirel, N., Muftuoğlu, AE., Demir, V., Zeki, S., Kalkan E and Tas S. (2006). Biodiversity at the western Fethiye Bay. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.

- Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U., Öz, M.İ., Demirel, N., Tas S., Zeki, S., Demir, V., Altiok, H., Muftuoglu, A.E. and Gazioglu, C. (2006). Marine Biological Diversity Assessment of Datca-Bozburun specially protected area. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.
- Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Demirel, N., Demir, V., Zeki, S., Tas S., Sur H.İ, Altiok H., Muftuoglu A.E., Balkis N., Aksu A. and Gazioglu C. (2006). Marine Biological Diversity Assessment of Gokova specially protected area. Turkish Coasts 06, November 7-11, 2006, Muğla, Turkey.
- Aslan-Yilmaz, A.**, Okus E. and 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.
- Okus, E., **Aslan-Yilmaz, A.**, Tas S. and 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.
- Okus E., **Aslan-Yilmaz, A.** and Övez S. (2004). Spatial and Temporal Distribution of Bacteriological Pollution at Istanbul Shoreline. Marine Bacteriology 2004, November 25-27, 2004, Istanbul Turkey.
- 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.
- 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.
- Okus, E., Yuksek, A., Yilmaz, N., **Aslan-Yilmaz, A.**, Karhan S.U, Öz, M.İ., Demirel, N. and 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.
- 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.
- 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.
- 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.
- Okus E., **Aslan-Yilmaz, A.**, Yuksek, A., Tas S and 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.

- Okus E., **Aslan, A.** and 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.
- Okus E., **Aslan, A.**, Tas S, Yilmaz, N., Yuksek, A. And 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.
- Okus E., **Aslan, A.**, Tas S, Yilmaz, N. and 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.
- Aslan, A.**, Okus E., Övez S., Bayhan H. and Aydin A.F. (2001). Temporal changes in the microbiological pollution of the Golden Horn Golden Horn 2001 Symposium, May 3-4, 2001, Istanbul, Turkey.

TECHNICAL REPORTS (12)

- Aslan, A.** and Dreelin, E. (2013). Building Beach Managers Capacity for Using Rapid Tools Submitted to Michigan DNR. (Peer reviewed)
- Aslan-Yilmaz, A.**, Simmons, F. and Xagorarakis, I. (2010). Enteric virus occurrence in Chicago River. Submitted to University of Illinois, CHEERS Program coordinator (Peer reviewed)
- Sur, H.I., **Aslan-Yilmaz, A.** and Tas, S. (annually from 2002 to 2008). Microbiological Pollution Monitoring at the Coastal Areas of Istanbul. Published by: General Directorate of Istanbul Water and Sewerage Administration. (Peer reviewed)
- 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. and Yalcin, A., (annually from 2004 to 2008). Pollution monitoring in the Black Sea. Published by Turkish Ministry of Environment. (Peer reviewed)
- 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. and Aksu, A. (annually from 1999 to 2008). Water Quality Monitoring in Black Sea, Marmara Sea and the Strait of Istanbul (Peer reviewed)
- 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. and 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. (Peer reviewed)
- 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. and Kirci-Elmas, E. (2006). Sampling Programme at the Sea of Marmara on Behalf of Mempis Project 2006. (Peer reviewed)

- Güven, K.C., Okus, E., Sur, H.I., Yüksek, A., Unlu, A., Gazioglu, C., Altıok, H., Tas, S., Muftuoğlu, E., Yılmaz, N., **Aslan-Yılmaz, A.** and Karhan, U. (2005). Volgoneft 248 Oil Pollution Monitoring Published by: Omur Marine Limited Inc. (Peer reviewed)
- Okus, E., Sur, H.I., Yüksek, A., Yılmaz, N., **Aslan-Yılmaz, A.**, Karhan, U., Öz, M.I., Demirel, N., Tas, S., Altıok, H., Muftuoğlu, A.E., Gazioglu, C., Yücel, Z.Y., Demir, V., Zeki, S. and 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. (Peer reviewed)
- Okus, E., Sur, H.I., Güven, K.C., Yüksek, A., Altıok, H., Balkis, N., Tas, S., **Aslan-Yılmaz, A.**, Yılmaz, N., Muftuoğlu, A.E., Aksu, A. and 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. (Peer reviewed)
- Okus, E. and **Aslan-Yılmaz, A.** (2003). Distribution of *Clostridium perfringens* in the Sea of Marmara Sediments Influenced by Deep Discharges Published by: Istanbul University Research Founding. (Peer reviewed)
- Güven, K.C., Sur, H.I., Okus, E., Yüksek, A., Uysal, A., Balkis, N., Kiratli, N., Unlu, S., Altıok, H., Tas, S., **Aslan, A.**, Yılmaz, N., Muftuoğlu, A.E., Gazioglu, C. and Cebeci, M. (2000). Oceanography of the Izmit Bay Following 1999 Earthquake. Published by: Turkish Ministry of Environment. (Peer reviewed)

UNIVERSITY SERVICE

TEACHING ACTIVITIES

Full courses:

- Fall 2013 Environmental Health (Graduate level course; Georgia Southern University, Jiann-Ping Hsu College of Public Health).
- 2006-2008 Nutrients in seawater (Graduate level course; Istanbul University Institute of Marine Sciences and Management).

Joint courses:

- Spring 2013 MC 492 Senior Seminar: Eurasian Natural; Resource Challenges and Conflicts (Michigan State University, James Madison College)
- Spring 2013 MC 221 International Relations II: Natural resource and international environmental constraints in industrialized and developing countries (Michigan State University, James Madison College)
- 2009-2012 Study Abroad Program: Water quality and energy (Michigan State University, James Madison College)
- 2006-2008 Pelagic food webs (Istanbul University Institute of Marine Sciences and Management, “microbial ecology” section, five weeks per semester).

2006-2008 Planktonology (Istanbul University Institute of Marine Sciences and Management, “bacterioplankton” section, five weeks per semester).

Invited lecturer:

2010-2012 Water Quality Challenges in Eurasia (Michigan State University, Study Abroad Program Lecture Series, one week per semester).

2009 Water quality and management in the Eastern Mediterranean (Michigan State University, Department of Civil and Environmental Engineering, ENE 890 Water Quality and Public Health: Principles and Latest Research)

STUDENT MENTORING ACTIVITIES

Graduate Student Academic Mentor:

- ❖ Sara Benevente (Georgia Southern University, 2013-present)
- ❖ Paul Driver (Georgia Southern University, 2013-present)
- ❖ Kristen Sapp (Georgia Southern University, 2013-present)
- ❖ Britnet Thomas (Georgia Southern University, 2013-present)

Research Assistant:

- ❖ Kristen Sapp (Georgia Southern University, 2013-present)

Undergraduate Student Research Mentor:

- ❖ Matthew Field (Michigan State University, 2009-2010).

Graduate Student Research Mentor:

- ❖ Sibel Zeki (Istanbul University, 2009-2012)
- ❖ Yolanda Brooks (Michigan State University, 2009-present)

PROFESSIONAL SERVICE

WORKSHOPS AND MEETINGS

Workshop organization (5):

A 100 year study in the Great Lakes: Assessing Transboundary Pollution Sources, February 20, 2013, Chicago.

Quantitative Microbial Risk Assessment Workshop, February 21, 2013, Chicago.

Rapid Methods for Recreational Beaches Michigan Environmental Health Association Annual Education Conference, March 17, 2011, Traverse City.

Introduction to Rapid Methods, USEPA National Beach Conference, March 14, 2011, Miami (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.

Workshop participant (7):

Write Winning Grant Proposals, January 4, 2013 East Lansing, Michigan, USA (Funded by Office of the Sr. Associate Vice President for Research and Graduate Studies).

Certification in College Teaching Institute, May 12-13, 2011 East Lansing, Michigan, USA (Funded by Michigan State University, Collage of Education).

Energy-Water Nexus in Eurasia Workshop, May 6-7, 2011 East Lansing, Michigan, USA (Funded by Michigan State University, Center for European, Asian and Russian Studies).

Workshop Series 2: Water Sustainability and Climate in the Great Lakes Region of East Africa, Salima, Malawi, January, 15-19, 2011 (Funded by National Science Foundation).

Workshop Series 1: Water Sustainability and Climate in the Great Lakes Region of East Africa, Duluth, Minnesota, USA, October 23-26, 2010 (Funded by National Science Foundation).

Nutrients in Seawater Training Workshop, National Institute for Marine Research and Development, Constanta, Romania, July 11-15, 2005 (Funded by United Nations Global Environmental Facility).

PCR Applications in Genotyping, Istanbul University Biotechnology and Genetic Engineering Research and Application Center (Biyogem), Istanbul, Turkey, October 13-15, 2004.

Invited Speaker at Meetings (13):

Microbial Source Tracking in Sub Saharan Africa Waters (Tanzania Partnership Meeting September 12-13, 2012, East Lansing, MI).

Water Quality in Food Industry (MJN Food Safety Advisory Panel September 5-6, 2012, East Lansing, Michigan, USA).

Water Quality and Health; Current Technology and Global Applications (American-Turkish Higher Education Forum: Trends in Higher Education June 3-6, 2012, Istanbul, Turkey).

Global Health and Water Quality (CASID Center for Gender in Global Context, March 2, 2012, East Lansing, Michigan).

Water Availability and Quality Issues in Turkey and Eurasia (Energy-Water Nexus in Eurasia Workshop, May 6-7, 2011 East Lansing, Michigan, USA).

Cities of the Future: Challenges for Water and Sanitation (Global Urban Studies Workshop Spring 2011 April 25 2011, East Lansing, Michigan, USA).

Mapping Global Water Pollution; Current Technology and Future Applications (Experts Exchange: Opportunities in Bio-Innovation. April 13, 2011, Holland, Michigan, USA)

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).

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).

Building Beach Managers Capacity for Using Rapid Tools (Michigan Environmental Health Association, Annual Educational Conference, March, 25 2010, Bay City, Michigan, USA).

Tracking Microbial Pollution of Global Waters (World Water Day, United Nations Assemblage Lansing Chapter, March 14, 2010, East Lansing, Michigan, USA).

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).

Water and Environmental Challenges in Turkey (Michigan State University, Center for European, Russian and Eurasian Studies, East Lansing, Michigan, April, 29 2009).

PEER REVIEW SERVICE

Grant Reviewer:

- ❖ Reviewer for Center for Water Sciences Water Initiative Research Grants (2010)
- ❖ External Reviewer for Virginia Sea Grant (2011)

Manuscript Reviewer for the Following Journals:

- ❖ Water Research
- ❖ Marine Pollution Bulletin
- ❖ Environmental Science & Technology
- ❖ Environmental Monitoring and Assessment
- ❖ International Journal of Environmental Health Research
- ❖ Journal of Water and Health

Journal Editorial Board:

- ❖ Experts Opinion in Environmental Biology

PROFESSIONAL AFFILIATIONS

- ❖ American Society for Microbiology (2005- present)
- ❖ International Water Association (2008- present)
- ❖ The American Association for the Advancement of Science (AAAS) (2012-present)
- ❖ American Chemical Society (2012-present)

EXTRACURRICULAR ACTIVITIES

- ❖ SCUBA instructor, Istanbul University OCEANOS Scientific Diving Team (2002-2008).
- ❖ Board member, Turkish Student Association at Michigan State University (2008-2010).
- ❖ Member of Post-Doctoral Association at Michigan State University (2008-2011).