



THE MARQUETTE WATER QUALITY CENTER

A Powerful Catalyst for Water Initiatives

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Advancing Marquette University as a recognized leader in interdisciplinary water issues and a first-choice university for excellent students interested in water.

We will establish and manage the Marquette University Global Water Center (GWC) facility. Marquette has secured an 8000 square foot office, meeting and laboratory facility in the GWC building. The GWC is an education, research and business accelerator in Milwaukee's Walker's Point neighborhood, operated by The Water Council and dedicated to addressing key local and global water issues. Other GWC space houses the University of Wisconsin Milwaukee and Whitewater, Badger Meter, A. O. Smith, Veolia Water, Rexnord, Sloan Valve, Fund for Lake Michigan, Greater Milwaukee Committee, The Water Council and others.

The vision for the Marquette GWC facility (MUGWCF) is that it will be a recognized hub for innovative groups pursuing collaborative projects that advance clean water technology, policy, business and public awareness.

The goal of the MUGWCF is to enable our faculty, staff, and students to interact with other tenants and visitors; develop and collaborate on new large-scale research projects; and more effectively contribute Marquette expertise to the GWC and Water Council.

MILESTONES

THREE-YEAR OBJECTIVES INCLUDE:

1. Doubling water research/publication
2. Doubling water invention disclosures
3. Managing the MU Global Water Center space
4. Coordinating with the Water Council
5. Collaborating with Marquette Law School on policy
6. Collaborating with EOP on precollege initiatives.



ABOUT OUR TEAM

Dr. Daniel H. Zitomer, Water Quality Center Director, Professor, Environmental Engineering
Dr. Jim Maki, Professor, Biological Sciences
Dr. Krassimira Hristova, Assistant Professor, Biological Sciences
Dr. Chung-Hoon Lee, Electrical Engineering
Dr. Patrick McNamara, Assistant Professor, Environmental Engineering
Dr. Brooke Mayer, Assistant Professor, Environmental Engineering
Mr. David Strifling, J.D., L.L.M., Law School, Director of Water Law and Policy Initiative
Mr. T. Ullrich, EOP Upward Bound Program

Our team are professionals who have dedicated their careers to solving clean water problems. We have worked together for many years and identified the need to form a collaborative structure to manage water research, teaching and service on campus. We addressed these issue because we would like to pursue larger, collaborative projects with public and private partners. Larger projects will help us more fully foster the search for truth, the discovery and sharing of knowledge, and personal and professional excellence.

BEYOND BOUNDARIES Pursuit of Academic Excellence for Human Well-Being

The project aligns with the theme of the pursuit of academic excellence for human well-being. Clean water resonates with Jesuit goals including a preferential option for the poor, social responsibility and civic engagement. More than 800,000 people die every year from water related disease. Lack of clean water disproportionately hurts the poor, whereas improved water helps social development and alleviates poverty.

In developed countries, there are also challenges. For example, waste antibiotics are disposed of via treatment systems that aren't designed to remove them. These waste antibiotics are released into the environment where they increase the number of antibiotic resistant microbes that are responsible for at least 23,000 deaths each year. Efforts are needed to communicate and solve these and other problems.