

Natural and Applied Sciences

Scholarly Report (2000-Present)

Grants Received

Adsit, T. 2007-2008. “Teaching Enhancement Grant,” UW-Green Bay Instructional Development Council, \$500.

Adsit, T. 2007-2008. “UW-Green Bay SoTL Award,” UW-Green Bay Instructional Development Council, \$500.

Bauer-Dantoin, A., K. Fermanich, and M. Zorn. 2008-2009. “Assessing Levels and Potential Health Effects of Endocrine Disrupting Chemicals in Groundwater Associated with Karst Areas in Northeast Wisconsin.” UW System Groundwater Research Program, \$36,877.

Baumgart, P. and K. Fermanich. 2011-2012. “Analysis of Phosphorus and TSS Trends in Duck Creek.” Wisconsin Department of Natural Resources, \$3,000.

Baumgart, P. and K. Fermanich. 2006. “Sediment source tracking in Baird Creek watershed.” Baird Creek Preservation Foundation, \$1,000.

Caglar, A. 2008. “Alternative Energy/Fuel Cell.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.

Caglar, A. 2008. “Integrate the MAPLE software into the teaching of Calculus.” Instructional Development Award, UW-Green Bay Instructional Development Council, \$3,500.

Chen, F. Spring 2013. “Electronic Origin of Acidity of Oxyacids.” UW-Green Bay Research Council, Grant for Integrating Research and Teaching, \$995.

Chen, F. 2004-2005. “Magnetic Absorbent Materials.” Wisconsin Space Grant Consortium, \$5,000.

Chen, F. 2004-2005. “Microwave Regenerated Carbon Blacks from Waste Tires.” UW-Applied Research, \$20,642.

Chen, F. 2003-2004. “Mesoporous and Microporous Materials.” Wisconsin Space Grant Consortium, \$9,394.

Chen, F. 2003-2004. “CEM Microwave Research Grant,” \$4,000.

Davis, G. 2004. “Wisconsin Mathematics and Science Partnership Program.” Wisconsin Department of Public Instruction, \$224,353.



Davis, G. 2001. “Maple Mathematical Software,” UW-Green Bay Laboratory/Classroom Modernization Program, \$12,500.

Davis, G. 2000. “Graphing Calculators and Projection Screens,” Texas Instruments Grant Program, \$1,500.

Davis, G. 2000. “Travel Grant.” UW-Green Bay Faculty Development Council, \$310.

Dolan, D.M. and S.C. Chapra. 2008-2012. “Great Lakes Total Phosphorus Models and Loads: A Fifteen Year Update.” United States Environmental Protection Agency, Great Lakes National Program Office, \$285,000.

Dolan, D.M. 2006-2012. “ECOFOR: Forecasting the Causes, Consequences and Potential Solutions for Hypoxia in Lake Erie.” University of Michigan, \$82,499.

Dolan, D.M. 2006-2010. “Nutrient Load Estimates for the Lake Erie Watershed.” University of Michigan Sea Grant, \$77,500.

Dolan, D.M. 2006-2008. “Population Dynamics of Muskellunge in Northern Wisconsin Lakes.” Wisconsin Department of Natural Resources, \$29,996.

Dolan, D.M. 2004-2005. “Improved Spatial and Temporal Detail for Lake Erie Total Phosphorus Loads.” National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, Ann Arbor, Michigan, \$15,000.

Dolan, D.M. 2003-2007. “Analysis of Mine Tailings Data for United States Environmental Protection Agency, Region 8.” United States Environmental Protection Agency, Region Eight, Federal Facilities Program, \$30,000.

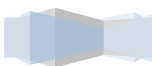
Dolan, D.M. 2003-2004. “Review of Watershed Monitoring Data for Lower Fox River Basin.” Oneida Tribe, \$8,000.

Dolan, D.M. 2002-2005. “Lake Erie Total Phosphorus Loads, 2001 and Beyond.” Case Western Reserve University, \$20,000.

Dolan, D.M. and A. Fiala. 2000. “Critical Thinking, Science and the Environment: The Restoration of the Fox River-Green Bay Ecosystem.” United States Environmental Protection Agency, \$8,073.

Dornbush, M. 2013-2015. “A Comparison of Ecological Services between Native and Exotic *Phragmites australis* in Door County, WI.” The Nature Conservancy, \$16,172.

Dornbush, M. 2012-2013. “Agricultural Energy Crop Growth (Oneida Nation Tribe of Indians of Wisconsin Department of Energy Biofuel Project)” Oneida Tribe of Indians of Wisconsin (Prime: United States Department of Energy), \$70,777.



Dornbush, M. and M.L. Draney. 2007. “Interacting forces drive garlic mustard invasion and maintain its dominance in native woodlands.” Brown County Extension Office, \$2,000.

Dornbush, M. 2009-2011. “Maximizing Ecological Services and Economic Returns from Targeted Establishment of Biomass Grasslands for Electrical and Heat Generation in Wisconsin.” Wisconsin Focus on Energy, \$ 164,853.

Draney, M.L. Fall 2013. “Publication of the Rapid Assessment Protocol (RAP) for non-canopy spiders (Araneae).” UW-Green Bay Research Council, Research Scholar Award, three credit course release.

Draney, M.L. Fall 2012. “Panama Expedition Five of Five: Implementing a Rapid Assessment Protocol (RAP) for spiders and millipedes in tropical rainforest.” UW-Green Bay Research Council, Grant in Aid of Research, \$800.

Draney, M.L. 2008. “Spiders of Panama: Sabbatical wet season expedition.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.

McKenna-Foster, A. and **M.L. Draney.** 2008. “Effects of prescribed burning and mowing on spider assemblages in Nantucket’s sandplain grasslands.” To Nantucket Land Bank, \$3,000.

Draney, M.L. and P. Sierwald. 2008. “Spider and Millipede Rapid Assessment Protocol in Panama.” Field Museum of Natural History, Chicago’s Marshall Field Fund Grant, \$9,454.

Draney, M.L. and W.T. Oehmichon. 2006. “Survivability of Spotted Knapweed Biological Agents to Early Spring Prairie Burning.” National Fish and Wildlife Foundation Grant, \$7,860.

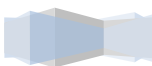
Draney, M.L. 2001. “Student research aides,” UW-Green Bay Research Council, Grant in Aid of Research, \$400.

Draney, M.L. 2000–2001. “Inventory of Terrestrial Non-Insect Macro-Arthropods of Cedarburg Bog Natural Area.” Wisconsin Academy of Sciences, Arts and Letters, \$821.

Draney, M.L. 2000. “Travel Grant,” UW-Green Bay Research Council, Grant in Aid of Research, \$250.

Dutch, S.I., B. Ofori-Amoah, K. Rice, K. Lemke, and G. Chu. 2001-2002. “The Geo-Web Project: Infusing Internet into the UW Geography and Geology Classroom.” UW-System Curricular Redesign Grant, \$47,852.

Fencl, H. Fall 2012. “Evaluation of Problem Solving Website Effectiveness via Think Alouds.” UW-Green Bay Research Council, Grant in Aid of Research, \$616.



Fencl, H. 2003-2004. “Activities for Introductory Physics.” UW-Green Bay Laboratory/Classroom Modernization Program, \$7,991.

Fencl, H. and K. Scheel. 2002-2003. “Assessing the Impact of Classroom Penology on Development of Student Self-Efficiency in Physics Courses.” UW System Undergraduate Teaching & Learning Program, OPID, \$6,187.

Fencl, H. and W. Swanger. 2001-2002. “SUMS: Summer Science Workshops for Teachers.” Eisenhower Grant, \$67,507.

Fencl, H. and M. Briley. 2000-2001. “Distance Education Format Astronomy Course.” Wisconsin Space Grant Consortium, \$4,000.

Fermanich, K. and P. Baumgart. 2010-2012. “Watershed Modeling and Management Analysis in Support of Hypoxia Research in Green Bay.” University of Wisconsin Milwaukee Great Lakes Water Institute (Prime: National Oceanic and Atmospheric Administration), \$105,316.

Fermanich, K., P. Baumgart and D. Cibulka. 2008-2009. “Duck Creek Watershed Data Analysis and Monitoring Project.” Oneida Tribe of Indians of Wisconsin, \$15,200.

Fermanich, K. 2008. “Student-Teacher Monitoring: Lower Fox River Watershed Monitoring Program.” Georgia-Pacific Foundation, Inc., \$5,000.

Fermanich, K. and **M. Dornbush.** 2006. “Charcoal addition effects on soil microbial activity and soil fertility - evaluation through changes in soil enzyme activity.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.

Fermanich, K. and **T. Reed.** 2003-2004. “Collaborative Aquatic Science Education in the UW- System.” Teaching Enhancement Grant, UW-Green Bay, \$265.

Forsythe, P. 2013-2015. “Effects of Dam Removal and Habitat Restoration on Migratory Northern Pike (*Esox lucius*) in Northern Lake Michigan Tributaries.” John G. Shedd Aquarium, \$5,950.

Forsythe, P. 2013-2013. “Assessment of Larval Lake Sturgeon Production and Drift Behavior in the Oconto River, Wisconsin.” Oconto Electric Cooperative, \$12,879.

Forsythe, P. 2013-2013. “Effects of dam removal on migratory fishes in a Lake Michigan tributary.” The Nature Conservancy (Prime: United States Environmental Protection Agency), \$12,020.

Forsythe, P. 2012-2013. “Larval Sturgeon Drift Survey.” North American Hydro Holdings, Inc., \$35,789.



Forsythe, P. 2011-2012. “Lower Sheboygan River AOC Habitat Mapping Improvement Study.” Wisconsin Department of Natural Resources (Prime: United States Environmental Protection Agency), \$39,854.

Hencheck, M. 2007-2008. “Wisconsin Space Grant Consortium Research Infrastructure Grant.” Variable Star Observation Program, \$5,000.

Harris, V. (Former director of Wisconsin Sea Grant) 2010-2014. “Sea Grant: Advisory Services.” UW-Madison Aquatic Science Center (Prime: United States Department of Commerce, National Oceanic and Atmospheric Administration), \$36,000.

Howe, R.W. 2010-2014. “Implementing Great Lakes Coastal Wetland Monitoring.” University of Central Michigan (Prime: United States Environmental Protection Agency), \$48,006.

Howe, R.W. 2013. “2013 Nicolet Bird Survey.” United States Forest Service, \$3,400.

Howe, R.W. and A. Pelegrin. 2012-2013. “Watershed Education.” Wisconsin Coastal Management Program (Prime: United States Department of Commerce), \$19,896.

Howe, R.W. and A. Pelegrin. 2012-2013. “Explore and Restore: Catalyzing Delisting via Advisory Teams.” University of Wisconsin Extension (Prime: United States Environmental Protection Agency), \$18,091.

Howe, R.W. 2012. “Nicolet Bird Survey.” United States Department of Agriculture Forest Service, \$3,000.

Howe, R.W. 2010-2012. “Implementing Great Lakes Coastal Wetland Monitoring.” University of Central Michigan (Prime: Environmental Protection Agency -GLWRC), \$45,016.

Howe, R.W. 2011. “Point au Sable Coastal Wetland Acquisition.” United States Fish and Wildlife Service, \$155,000.

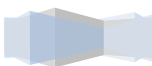
Howe, R.W. 2011. “Developing a Robust Indicator of Forest Health Based on Breeding Bird Assemblages.” The Nature Conservancy, \$4,293.

Howe, R.W. 2010-2011. “Improving the Content and User-friendliness of Birder Certification Online.” United States Fish and Wildlife Service, \$8,857.

Howe, R.W. 2010-2011. “A Strategy for Monitoring forest condition at the Wild Rivers Legacy Forest in Northeastern Wisconsin.” The Nature Conservancy-Wisconsin Field Office, \$ 7,537.

Howe, R.W. 2010-2011. “Implementing Great Lakes Coastal Wetland Monitoring” University of Central Michigan (Prime: Environmental Protection Agency -GLWRC), \$43,592.

Howe, R.W. 2009-2011. “Acoustic Bat Surveys: Assessing species status and trends in Wisconsin.” Wisconsin Department of Natural Resources, \$9,749.



Howe, R.W. 2009. “Baseline Inventory of Woody Plants at Wabikon Forest Dynamics Plot.” Smithsonian Institution, \$ 20,000.

Howe, R.W. 2008-2009. “Expanding the Great Lakes Birder Certification and Training Program.” National Park Service, \$34,995.

Howe, R.W. and **J.H. Davis.** 2008. “The Northeastern U.S. Birder Certification and Training Program.” U.S. Fish and Wildlife Service and National Parks Service, \$25,000.

Howe, R.W. and **A.T. Wolf.** 2007. “Wabikon Lake forest dynamics plot: globally-networked ecological research in northern Wisconsin.” The 1923 Fund (Dr. David Cofrin), \$114,900.

Howe, R.W., A.T. Wolf, G.A. Fewless, K.S. Corio, and J. Sundance. 2007. “Establishing a Network of Forest Dynamics Plots in Wisconsin.” The 1923 Fund, \$15,000.

Howe, R.W. and M. Stiefvater, 2007. “Natural Resource Protection Plan for the Town of Scott - Niagara Escarpment to the Green Bay Shore.” Town of Scott, \$8,850.

Howe, R.W. and **J.H. Davis.** 2007. “A web-based birder certification program.” United States Fish and Wildlife Service, \$9,566.

Howe, R.W. 2007. “Development of trans-national biotic indicators in the Laurentian Great Lakes.” Great Lakes Coastal Wetlands Consortium, \$7,200.

Howe, R.W., G.J. Niemi, R. Axler, J. Hanowski, G. Host, L. Johnson, J. Kingston, R. Regal, C. Richards, and D. Swackhamer. 2001-2005. “Development of Environmental Indicators of Condition, Integrity, and Sustainability in the Coastal Regions of the US Great Lakes Basin.” United States Environmental Protection Agency, \$6,000,000.

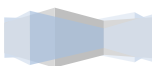
Howe, R.W., C. Katz, and S. Anderson. 2003. “GPS tracking of black bear movements in areas with high vs. low human population density.” United States Forest Service, \$5,000.

Howe, R.W. and A.J. Cassini. 2003. “Inventory and Geographic Modeling of Bird Populations in the Marshfield Epidemiological Study Area.” Marshfield Clinic Research Foundation, \$14,491.

Howe, R.W. 2003. “Inventory of Breeding Birds on New State Lands in Marinette County, Wisconsin.” Wisconsin Department of Natural Resources, \$15,000.

Howe, R.W. 2003. “Inventory of Breeding Birds on Chippewa County, Wisconsin.” Wisconsin Department of Natural Resources, \$10,000.

Howe, R.W. and J. Gibson. 2002. “Habitat associations of woodland raptors in the Hiawatha National Forest.” United States Forest Service, \$5,000.



Howe, R.W., J. Hanowski, and G. Neimi. 2001. “A GIS Framework for Bird Conservation and Monitoring.” United States Environmental Protection Agency, Great Lakes National Program Office, \$138,000.

Howe, R.W. 1999-2001. “Management and Analysis of Data from the Wisconsin breeding Bird Atlas.” Wisconsin Society for Ornithology, \$50,000.

Howe, R.W. 2000. “Bird and bat mortality at wind generation facilities in Kewaunee County, Wisconsin.” Wisconsin Public Service, Inc., \$7,751.

Katers, J., J. Gumz, and R. Nielsen. 2012-2013. “Waste Stream Committee in Brown County Wisconsin.” University of Wisconsin System Solid Waste Research Program Student Research Grant, \$4,500.

Katers, J. and J. Stoll. 2012 “Aurora BayCare Healthcare Internship Project Agreement.” Aurora BayCare Medical Center, \$71,324.

Katers, J. 2011-2012. “Briess Internship Proposal.” Briess Malting and Ingredient Company (Prime: Wisconsin Department of Natural Resources), \$6,787.

Katers, J. 2010-2011. “Feedstock Pre-processing of Pellets.” Consortium for Research on Renewable Industrial Materials, \$20,000.

Katers, J. 2009-2010. “Life Cycle Analysis of Pellet Fuels.” Wisconsin Focus on Energy, \$47,914.

Katers, J. 2008-2009. “DelMonte Waste Management Study.” Midwest Food Processors Association, \$29,885.

Katers, J. 2002-2003. “Solid and Hazardous Waste Education Center.” UW - Extension, \$95,959.

Katers, J. 2002-2003. “Evaluation of Temperature-Phased Anaerobic Digestion for the Dairy Industry.” Wisconsin Department of Administration, \$44,000.

Katers, J. 2001-2002. “Anaerobic Digestion System Start-Up Project.” Ag Environmental Solutions, \$7,174.

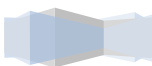
Katers, J. and P. Terry, 2001-2002. “Membrane Filtration System Pilot Testing.” Carollo Engineering, \$16,972.

Katers, J. 2001-2002. “Faculty Associates in Science and Technology (FAST) Program.” North Central Partnership for Environmental Technology Education, \$2,000.

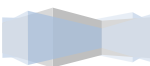
Katers, J. 2001-2002. “Evaluation of a Temperature-Phased Anaerobic Digestion System for the Dairy Industry.” UW-System Applied Research Program, \$44,424.



- Katers, J.F.** 2000. "Oil Absorbent Research Project." CRI Recycling Service, Inc., \$7,500.
- Katers, J.F.** 2000. "Solar Research Project." Wisconsin Public Service Corp., \$10,811.
- Kurenok, V.** 2008. "Release time grant." WiSys Technology Foundation, \$3,500.
- Kurenok, V.** 2008. "Travel grant." University of Delaware, National Science Foundation, \$500.
- Kurenok, V.** 2006. "Travel grant." University of Wisconsin, National Science Foundation, \$700.
- Kurenok, V.** 2006. "Travel grant." Wayne State University, National Science Foundation, \$900.
- Kurenok, V.** 2006. "Travel grant." Columbia University, National Science Foundation, \$700.
- Kurenok, V.** 2006. "Aid-in-research," UW-Green Bay, \$300.
- Kurenok, V.** 2005. "Travel grant." UW-Milwaukee, National Science Foundation, \$500.
- Kurenok, V.** 2005. "Travel grant." University of Florida, National Science Foundation, \$500.
- Kurenok, V.** 2004. "Travel grant." Princeton University, National Science Foundation, \$500.
- Kurenok, V.** 2003. "Travel grant." University of Minnesota, Institute for Mathematics and its Applications, \$700.
- Luczaj, J.A.** 2012-2013. "An Evaluation of the Distribution and Sources of Dissolved Strontium in the Groundwater of Eastern Wisconsin, with a Focus on Brown and Outagamie Counties." Wisconsin Groundwater Coordinating Council (Prime: Wisconsin Department of Natural Resources, Wisconsin Department of Agriculture Trade and Consumer Protection, Wisconsin Department of Safety and Professional Services), \$57,349.
- Luczaj, J.A.** 2008. "Bedrock Geology of Brown County." United States Geological Survey STATEMAP Proposal, \$109,686.
- Luczaj, J.A.** and D. Hart. 2008. "Drawdown in the Northeast Groundwater Management Area (Brown, Outagamie, and Calumet Counties, WI)." Wisconsin Joint Solicitation for Groundwater Research, \$40,862.
- Luczaj, J.A.** 2008. "Carbon Dating of prehistoric bones found within sediment filled caves in Maribel-Cherney County Park, Manitowoc County, Wisconsin." UW-Green Bay Research Council, Grant in Aid of Research, \$600.
- Luczaj, J.A.** 2007. "Geology of Subglacial Cave Sediments in Maribel-Cherney County Park, Manitowoc County, Wisconsin." UW-Green Bay Research Council Grant in Aid of Research, \$600.



- Luczaj, J.A. and M.J. McIntire.** 2007. “Geochemical characterization of sulfide mineralization in eastern Wisconsin carbonate rocks.” Wisconsin Joint Solicitation for Groundwater Research, \$8,554.
- Luczaj, J.A., A. Knudsen, et al.** 2007. “MRI: Acquisition of a Powder X-Ray Diffractometer for Multidisciplinary/Multi-institutional Research and Training.” National Science Foundation Major Research Instrumentation Proposal, \$180,000.
- Lyon, J. and F. Chen.** 2012-2013. “Investigation of the Stability of the SPRI cationic polymer.” Stuyvesant Projects Realization Inc., \$10,554.
- McIntire, M.J.** Fall 2012. “Theoretical Investigation of High Pressure on the Optical Linewidth Distributions of Single Molecules Embedded in a Low Temperature Amorphous Matrix.” UW-Green Bay Research Council Grant in Aid of Research, \$719.
- McIntire, M.J.** Fall 2006. “DNAzyme proposal.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.
- McIntire, M.J.** “Pulsed Nitrogen/Dye laser.” NAS Overhead Fund Proposal, \$21,000.
- Medland, V.** 2000-2002. “Reproductive tactics in an androdioecious crustacean.” National Science Foundation. (Co-PI with Randy Hoeh, Kent State University, OH and Stephen Weeks, University of Akron, Akron, OH), \$56,648.
- Meyer, S.** 2005. “Building models to teach the principles of sun angles and solar intensity.” UW- Green Bay Teaching Enhancement Grants, \$428.
- Meyer, S.** 2005. “Digitization and Preliminary Analysis of Snowfall Data for Green Bay.” UW- Green Bay Research Council, Grant in Aid of Research, \$600.
- Meyer, S.** 2005. “Infrared thermometers for the Ocean of Air: Weather and Climate Lab.” UW- Green Bay Laboratory Modernization Program, \$1,100.
- Meyer, S.** 2004. “Determining the accuracy of seasonal precipitation outlooks for Wisconsin.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.
- Meyer, S.** 2003. “Determining the accuracy of seasonal temperature outlooks for Wisconsin.” UW- Green Bay Research Council, Grant in Aid of Research, \$515.
- Meyer, S.** 2003. “A better understanding of surface weather maps through the creation of a simple 3-dimensional model.” UW-Green Bay Teaching Enhancement Grants, \$539.
- Meyer, S.** 2002. “An Electronic Climate Atlas of Wisconsin.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.



Meyer, S.J. and D.C. Gosselin. 1999-2002. “Creating Connections Between Regional Climate Change Information and the Public: A Multi-Faceted Approach.” National Institute for Global Environmental Change, \$158,584.

Nair, V.M.G. 2008. “Butternut Canker and International Concern - invited for consultation with presentation.” United Nations Development Program - Rome, Grant \$2,000. Survey set, Phase I, \$15,000.

Nair, V.M.G. 2008. “Invasive pathogens and control.” Ciba-Geigy, Switzerland, \$1,500.

Nair, V.M.G. 2008. “Alamo Systemic fungicide product grant to study efficiency of new dosage.” Ciba Novartis, \$22,000.

Nair, V.M.G. 2008. “Member - Forest Policy Development for S.E. Asia.” East West Center – International Union of Forest Research Organizations, \$1,200.

Nair, V.M.G. 2008. “Macadamia Nut cuttings with Hormonal Treatment.” Macadamia Nut Association, Johnson Foundation, \$3,420.

Nair, V.M.G. 2008. “Novartis Production Grant for Propiconazole - Systemic injection, \$25,000.” Grant for India – China, \$2,500.

Nair, V.M.G. 2008. “Tropical Forestry Project for India, Forest Medicinal Plants.” International Union of Forest Research Organizations, \$5,000 and Johnson Foundation, \$2,885.

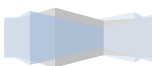
Nair, V.M.G. 2007. “International Union of Forest Research Organizations Project. Collection of gene pools of Himalayan, Persian, Chinese, and Japanese Walnuts and planting at Dehradun Forest Institute Research Plot and Nilgirie Mountain Gap, Chini.” International Union of Forest Research Organizations Grant and European Forestry Commission Grants, \$30,000. (I- Rupees \$1,200,000).

Nair, V.M.G. 2007. “Control of Root Rot and Leaf Spot of Ginseng,” \$1,500.

Nair, V.M.G. 2006. “Lethal yellow of exotic palms and coconut wilt of Baja Peninsula, Mexico. Breeding for resistance of chemotherapeutic control recommendation.” International Union of Forest Research Organizations, \$3,000 and Johnson Foundation, \$835.

Nair, V.M.G. 2006. “Breeding for disease resistance in Macadamia Nut Species and collection of wild gene pool from Australian Tropical Forest.” Macadamia Nut Association Australia and Hawaii Grant, \$3,000 and Johnson Foundation, \$2,648.

Nair, V.M.G. 2003. “Breeding for disease resistance in Macadamia Nut species and collection of wild gene pools from the Tropical Forests for Cloning and breeding, north of Brisbane, Australia.” Australia-Hawaii-Macadamia Growers Association, \$2,500.



Nair, V.M.G. 2003. “Member-Forest Policy Development for South Eastern Countries Conference in order to control the destructive logging by Multinational Logging Companies.” International Union of Forest Research Organizations Grant, \$900.

Nair, V.M.G. 2003. “Electron Microscopic investigations on the pathways of propiconazole in *Quercus Macrocarpa* and *Q alba*.” Snegenta Product Grant, \$3,000.

Nair, V.M.G. 2003. “Bio Assay studies of Alamo treated Oaks in order to change the Label Recommendations for Micro Injection systems.” Novelties Product Grant, \$4,200.

Nair, V.M.G. 2000. “Chemotherapy of Forest Tree Diseases.” Novartis special grant for China project, \$6,000.

Nair, V.M.G. 2000. “Breeding for Disease Resistance and Chemotherapeutic Treatment to Control Macadamia Wilt.” Macadamia Nut Growers Union Hawaii, \$3,500.

Nair, V.M.G. 2000. “Travel Grant,” International Union of Forest Research Organizations, United Nations. Amsterdam, Conference on International Quarantine, \$400.

Nair, V.M.G. 2000. “Tagging of Tropical Forest Medicine Plants in Nilgiri and Harigiri Mountain Ranges.” International Union of Forest Research Organizations, United Nations, \$500. Indian Council of Agricultural Research Ministry of Agriculture Government of India RS, \$40,000.

Nair, V.M.G. 2000. “Travel Grant to present a paper during Biotech Conference.” Indian Council of Agricultural Research, New Delhi, India, \$1,000.

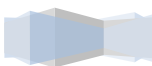
Niemi, G.J., **R.W. Howe**, +10 others. 2001-2004. “Development of Environmental Indicators of Condition, Integrity, and Sustainability in the Great Lakes Basin.” United States Environmental Protection Agency. Total award \$6,000,000. First year awarded to UW-Green Bay, \$269,178.

Reed, T. 2003. “Predicting the impact of zebra mussels on trophic transfers in Green Bay: ecosystem modeling and lower food web interactions with fish.” Wisconsin Sea Grant, total award, \$206,231 UW-Green Bay awarded, \$82,302.

Reed, T. 2003. “Zebra mussel (*Dreissena polymorpha*) sampling protocols in southern Green Bay.” UW-Green Bay Research Council, Grant in Aid of Research, \$600.

Reed, T. 2003. “Survey of submergent vegetation in Inner Green Bay prior to Cat Island Chain restoration.” Wisconsin Coastal Management, \$8,503.

Reed, T. 2001-2002. “Experiments on the Effectiveness of Zebra Mussel (*Dreissena Polymorpha* Pallas) Colonies as Refuge from Predation for Benthic Macroinvertebrates.” UW- Green Bay Research Council, Grant for Integrating Research and Teaching, \$400.



Reed-Andersen, T. 2000. “Preliminary Survey of Zebra Mussel Population Abundance and Distribution at Selected Sites in Green Bay.” SEA Grant, \$20,538.

Reed-Anderson, T. 2000-2001. “Lab Modernization – Aquatic Ecology.” UW-Green Bay, \$6,000.

Reed-Anderson, T. 2000-2001. “Preliminary Analysis of the Impact of Zebra Mussel Invasion on the Green Bay Ecosystem.” UW-Green Bay, \$400.

Ritch, D. 2011-2012. “WI- DOT Internship.” WI Department of Transportation, \$25,793.

Rodriguez-Estrada, A. 2012-2013. “Undergraduate Research and Mentoring as High Impact Practices to Engage Multicultural Students at the University of Wisconsin Green Bay.” Wisconsin Alliance for Minority Partnership (Prime: National Science Foundation), \$19,200.

Rodriguez-Estrada, A. 2011. “Investigation of impact of biofilms on water treatment system performance at Stuyvesant Processing facility.” Stuyvesant E.CO, \$9,522.

Scavia, D., D. Beletsky, et al. (**D.M. Dolan**). 2006. “Forecasting the Causes, Consequences, and Potential Solutions for Hypoxia in Lake Erie.” National Oceanic Atmospheric Administration to University of Michigan, \$2.4 million, UW-Green Bay share: \$75,000.

Steiglitz, R. 2004. “Storm Water Assessment Project.” Contract and Cooperative Internship Agreement. Wisconsin Department of Transportation District 3, \$29,985.

Steiglitz, R. and **K. Fermanich.** “Campus Monitoring Well Installation Materials and Equipment.” Midwest Engineering, Inc., \$1,280.

Steiglitz, R. and **K. Fermanich.** “Campus Monitoring Well Installation.” NAP Environmental Consultants Inc., Hydrogeologist, \$1,375.

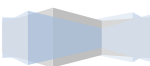
Stieglitz, R. and **K. Fermanich.** 2001-2002. “Investigation of the Hydrology and Ecology of Shivering Sands Natural Area, Door County.” Nature Conservancy, \$40,565.

Stieglitz, R. 2000-2001. “Door County Natural Areas Protection Plan.” Wisconsin Department of Natural Resources, \$19,600.

Terry, P.A. 2008-2009. “Study of Adaptive Ozone Solutions, LLC's Ozone Injection System at the Green Bay Metropolitan Sewerage District.” Adaptive Ozone Solutions, LLC., \$1,216.

Terry, P.A. 2008. “Stormwater Assessment.” Wisconsin Department of Transportation, \$18,245.

Terry, P.A. 2008. “Environmental Assistant Internship.” Wisconsin Department of Transportation, \$18,728.



Terry, P.A. 2008. "Validation study for treating wastewater in force mains with ozone to reduce hydrogen sulfide." Adaptive Ozone Solutions, Ltd., \$22,730.

Terry, P.A. 2008. "UWGB Campus Biodiesel Project." UW-Green Bay Chancellor's Office, \$3,000.

Wolf, A.T. and R.W. Howe. 2012-2014. "Coastal Wetland Restoration at the Pt. Sable Nature Preserve." National Fish and Wildlife Foundation: Sustain Our Great Lakes Community Grants Program (Prime: Multiple federal sources), \$150,000.

Wolf, A.T. and R.W. Howe. 2012-2012. "Forest stocks and fluxes across a management gradient in Northern Wisconsin." Smithsonian Institution-Smithsonian Conservation Biology Institute, \$51,900.

Wolf, A.T. 2009. "Pollinator Inventory." United States Department of Agriculture Forest Service, \$6,000.

Wolf, A.T., A. Bauer-Dantoin, R.W. Howe, and M. Zorn. 2008-2009. "Raising Graduation Rates of Minority Science Students through Junior and Senior Level Research Experiences." Wisconsin Alliance for Minority Participation (WiscAMP), \$33,547.

Wolf, A.T. and R.W. Howe. 2008. "Spatially explicit demography of trees in a globally- networked forest dynamics plot." National Science Foundation, \$249,609.

Wolf, A.T., A. Bauer-Dantoin, R.W. Howe, and M. Zorn. 2008. "Developing a culture of Opportunity of Minority Science Students at the University of Wisconsin-Green Bay." Wisconsin Alliance for Minority Participation (WiscAMP), \$23,600.

Wundergem (Lukesh), J. M. 2006-2009. "Development of Chemical Sensors for Measuring Antioxidant Levels in Food." United States Department of Agriculture CSREES. Total Award: \$498,802, \$50,000 to UW-Green Bay.

Wundergem (Lukesh), J. M. 2006. "Preparation of a Chiral Lewis Acid Catalyst for Use in the Synthesis of Obolactone." UW-Green Bay Research Council, Grant in Aid of Research, \$600.

Wundergem (Lukesh), J. M. 2006. "Synthesis of Obolactone" UW-Green Bay Research Council, Grant for Integrating Research and Teaching, \$1,500.

Wundergem (Lukesh), J. M. 2007. "Synthesis of Obolactone, Part 2." UW-Green Bay Research Council, Grant for Integrating Research and Teaching, \$1,500.

Wundergem (Lukesh), J. M. 2007. "Melting Point Apparatus." UW-Green Bay Laboratory Modernization Program, \$6,644.

Xiang, Yan. "Integrating Research and Teaching Program." Research Council, UW-Green Bay, \$1,000.

Xiang, Yan. “Aid of Research.” Research Council, UW-Green Bay, \$400.

Yingst, R. Aileen. 2011-2013. “Self-financed, self-developed and self-supporting profitable lunar colony.” National Aeronautics and Space Administration, \$707,526.

Yingst, R. Aileen. 2011-2012. “Wisconsin Space Grant Consortium - Augmentation Program (budget) only (augmentation of yr. 2 of the 2010-2015 Five Year project)” National Aeronautics and Space Administration, \$215,000.

Yingst, R. Aileen. 2010-2013. “First Nations Rocket Competition - A Recruitment and Retention Initiative for Native Americans.” National Aeronautics and Space Administration – ESMD, \$45,549.

Yingst, R. Aileen. 2010-2011. “Wisconsin Space Grant Consortium: Congressionally-Directed Augmentation.” National Aeronautics and Space Administration, \$270,000.

Yingst, R. Aileen. 2009-2011. “Self-Financed and Self-Developed and Self-Supporting Profitable Lunar Colony.” National Aeronautics and Space Administration, \$70,000.

Yingst, R. Aileen. 2009-2010. “Sky People -- Minority Serving Partnership with CMN.” National Aeronautics and Space Administration, \$150,000.

Yingst, R. Aileen. 2008-2009. “WI Space Grant Consortium- Designated State.” National Aeronautics and Space Administration, \$730,000.

Yingst, R. Aileen. 2006-2009. “Why Explore Mars? A Native American Perspective – Mars Exploration Rover Mission Participating Scientist Program.” National Aeronautics and Space Administration, \$43,536.

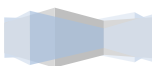
Yingst, R. Aileen. 2006-2010. “Providing Systems Engineering Experience to Wisconsin Students.” National Aeronautics and Space Administration, \$11,000.

Yingst, R. Aileen. “WSGC Proposal (Phase 5 of 5).” National Aeronautics and Space Administration, \$400,000.

Yingst, R. Aileen. “National Space Grant Scholarship/Fellowship Program.” National Aeronautics and Space Administration, \$256,250.

Zorn, M.E. Fall 2012. “Strontium isotopes as a tracer in Brown County groundwater.” UW-Green Bay Research Council, Grant in Aid of Research, \$800.

Zorn, M.E. Spring 2012. “Catalytic Oxidation of Carbon Dioxide Contaminants for Brewery and Precision Cleaning Applications.” UW-Green Bay Research Council, Research Scholar Award, three credit course release.



Zorn, M.E. 2011-2012. “Development of Platinum Free Catalysts for Photocatalytic fuel Cell Applications.” WiSys Technology Foundation, INC. Wisconsin Small Company Advancement Program (WISCAP), \$62,612.

Zorn, M.E. 2010-2012. “Great Lakes Observing System (GLOS) Enhanced Tributary Monitoring to Support AOCs and LaMPs-Lower Green Bay Component.” University of Wisconsin Milwaukee - WATER Institute (Prime: Environmental Protection Agency FON), \$15,661.

Zorn, M.E. 2010-2011. “Fabrication and Evaluation of Photocatalytic PEM Hydrogen Fuel Cells.” UW-System Applied Research Grant (ARG) Program, \$24,998.

Zorn, M.E. 2009-2010. “Conversion of High Strength Volatile Fatty Acids to Methane Rich Biogas.” Bio-Products Engineering Corporation (Prime: Wisconsin Energy Initiative Fund), \$2,218.

Zorn, M.E. 2008-2009. “Aerated Static Pile Processing of Corn Based Solid Waste.” UW-Wisconsin System Solid Waste Research Program, \$ 29,996.

Zorn, M.E., M. Heffernan, and J. Katers. 2008-2009. “Conversion of High Strength Volatile Fatty Acids to Methane-Rich Biogas.” Wisconsin Energy Independence Fund, \$140,000.

Zorn, M.E. and J. Katers. 2008. “Del Monte Corn Processing Waste Management Study.” Midwest food Processors Association, Inc., \$29,885.

Zorn, M.E., F. Chen and D. Hollenberg. 2007-2008. “Extraction of Hemicellulose Sugars from Wood Waste (from Construction and Demolition Activities) to Produce Ethanol for Fuel.” UW-System Solid Waste Research Program, \$27,274.

Zorn, M.E., F. Chen and D. Hollenberg. 2007-2008. “Investigation of Ultrasonic Stimulation of Supercritical and Near Supercritical Carbon Dioxide Treatment of Wood for the Extraction of Hemicelluloses.” UW- System Applied Research Grant Program, \$21,070.

Zorn, M.E. and J. Katers. 2006-2007. “High Solids Two-Phase Anaerobic Conversion of Food Wastes.” Principal Investigator: Mark Heffernan, CBT Wear Parts, Inc. Biobased Industry Opportunity (BIO) Implementation Grant Program. Award: \$90,000 (total award); \$49,796 (UW-Green Bay).

Zorn, M.E. 2006-2007. “Anaerobic Photocatalysis for the Conversion of Glycerol, a Biodiesel Synthesis Byproduct.” Wisconsin Space Grant Consortium, \$5,018.

Zorn, M.E., K. Fermanich and **R.D. Stieglitz.** 2005-2006. “Mapping and Characterization of Springs in Brown and Calumet Counties.” State of Wisconsin Joint Solicitation for Groundwater Research & Monitoring Program, \$13,800.



Zorn, M.E. and J. Katers. 2004-2005. “Biogas Generation from a Wisconsin Dairy Farm Using Anaerobic Catalysis and/or Photocatalysis.” Focus on Energy: Renewable Energy Program, \$44,796.

Zorn, M.E. 2004-2005. “Development of Magnetoelastic Resonance-Based Chemical Sensors for the Measurement of Gas-Phase Organic Compounds.” Wisconsin Space Grant Consortium, \$17,225.

Zorn, M.E., M.A. Anderson, and Y.B. Gianchandi. 2002-2005. “Enhanced Experimental Methods for Measuring Inorganic Contaminants in Water using a Micromachined DC Plasma Instrument.” UW Sea Grant College Program. \$ 370,574 total award, \$49,056 to UW-Green Bay.

Zorn, M.E. and J. Katers. 2003-2004. “Biogas Generation from a Wisconsin Dairy Farm Using Anaerobic Catalysis and/or Photocatalysis.” Focus on Energy: Renewable Energy Program, \$60,080.

Zorn, M.E. 2002-2003. “Photocatalytic Oxidation of Gas-Phase Compounds in Confined Areas: Investigation of Multiple Components Systems.” Wisconsin Space Grant Consortium, \$10,042.

Zorn, M.E. 2002. “Ion Chromatograph.” UW-Green Bay Laboratory Modernization Program, \$13,043.

