

Colleen M. Gorey

Department of Chemical and Environmental Engineering, University of Toledo,
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PROFESSIONAL PREPARATION

Ph.D. University of Toledo, Chemical and Environmental Engineering; 2008-present

M.S. University of Toledo, Chemical and Environmental Engineering; 2008

B.S. University of Toledo, Bioengineering, (Magna Cum Laude and Honors); 2006

APPOINTMENTS

2008-2009 National Science Foundation GK-12 Fellow, University of Toledo

2006-2008 Research assistant, University of Toledo

2006 Teaching assistant, University of Toledo

PUBLICATIONS

C. Gorey, **I. Escobar**, and C. Gruden *In Review*. Development of nanostructured temperature activated membranes. *Water Science and Technology*.

C. Gorey, **I. Escobar**, and C. Gruden *Accepted*. Development of smart membrane with microbial monitoring capabilities. *Desalination*.

C. Gorey, **I. Escobar**, C. Gruden, M. Coleman, O. Mileyeva-Biebesheimer *In Press*. Development of smart membrane filters for microbial sensing. *Separation Science & Technology*.

PRESENTATIONS (5 most recent)

2008 **A. Zaky**, G. Cai, C. Gruden, C. Gorey, and I. Escobar (2008). "Biosensors incorporated into a fouling resistant ultrafiltration membrane for water treatment," 2008 AIChE Annual Meeting, Philadelphia , PA , November 16-21, 2008.

2008 Gorey C., and **I. Escobar**, A. Zaky, G. Cai and C. Gruden (2008). "Cellulose acetate ultrafiltration membranes modified with temperature-sensitive polymers for fouling resistance," 2008 AIChE Annual Meeting, Philadelphia , PA , November 16-21, 2008.

2008 **C. Gorey**, A. Zaky, I. Escobar, C. Gruden (2008). "Microbial-sensing membranes functionalized with a temperature sensitive polymer brushes," Sigma Xi, the University of Toledo, Toledo, OH, November 1, 2008.

2008 **I. Escobar**, and C. Gruden (2008). "Development of nanostructured temperature activated membranes," 2008 IWA North American Membrane Research Conference, Amherst , MA , August 10-12, 2008.

2008 **C. Gorey**, I. Escobar, and C. Gruden. "Microbial-sensing membranes functionalized with a temperature sensitive polymer film," 2008 International Conference on Membranes (ICOM), Honolulu, Hawaii, July 12-18, 2008.

AWARDS

2007 Ohio American Water Works Association (OAWWA) Student Poster Competition
2007 OAWWA Fresh Ideas Winner

GRADUATE ADVISOR

Dr. Isabel Escobar

PROFESSIONAL MEMBERSHIPS

American Water Works Association, Ohio Section – Student Membership
North American Membrane Society – Student Membership
International Association for Great Lakes Research – Student Membership

SYNERGISTIC ACTIVITIES

2008 Member of WISE (Women in STEM Excelling) Mentoring Program
2007 Excel and Gear-Up Programs
2006 Excel Program