

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

2008-2010 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, C. Gruden, and G. Cai, (2009) Development of microbial sensing nanostructured membranes. *Desalination*. **248** pp. 99-105.

C. Gorey, I. Escobar, C. Gruden, M. Coleman, O. Mileyeva-Biebesheimer (2008). Development of smart membrane filters for microbial sensing. *Separation Science & Technology*, **43** (16): 4056-4074.

BOOK CHAPTERS

Gullinkala T., Digman B., Gorey C., Hausman R. and I. Escobar (in print, 2009), Desalination – Reverse Osmosis and Membrane Distillation, In: Escobar I. and A. Schäfer (eds.), Sustainable Water for the Future - Water Recycling versus Desalination, Elsevier Science, The Netherlands.

PRESENTATIONS (5 most recent)

2010 Gorey, C., (2010) “N-isopropylacrylamide (NIPAAm) modified ultrafiltration membranes, National Science Foundation GK-12 Annual Meeting, Washington, DC March 26-28, 2010

2010 Gorey, C., (2010) Engineering Disasters, Scott High School, Toledo, OH. February 2010.

2009 Gorey C. I. Escobar, A. Zaky, C. Gruden (2009) “N-isopropylacrylamide (NIPAAm)-modified ultrafiltration membranes,” American Institute of Chemical Engineers Annual Conference, Nashville, TN, November 8-13, 2009.

2009 Gorey C. (2009) “How to effectively engage the next generation in STEM careers,” American Institute of Chemical Engineers Annual Conference, Nashville, TN, November 8-13, 2009.

2009 Gorey C., I. Escobar, A. Zaky, and C. Gruden (2009) “N-isopropylacrylamide(NIPAAm)-modified ultrafiltration membranes with bacterial sensing abilities,” North American Membrane Society Annual Conference, Charleston, SC, June 20-24, 2009.

AWARDS

2009 National Science Foundation Travel Award to visit the University of Singapore
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
American Institute of Chemical Engineers – Student Membership
American Chemical Society – Student Membership

SYNERGISTIC ACTIVITIES

2009	Latino Youth Summit Overnight
2008-09	Member of WISE (Women in STEM Excelling) Mentoring Program
2007	Excel and Gear-Up Programs
2006	Excel Program