

**Department of Chemical & Biomolecular Engineering
The University of Akron**

1. NAME AND ADDRESS:

Name: Roya Gitiafroz, Visiting Instructor

Office: 202 A Whitby Hall

Phone: (330) 972-5917

rgitiafroz@uakron.edu

2. EDUCATION:

Ph.D.	Chemical Engineering	University of Toronto	2011
M.A.Sc	Chemical Engineering	University of Toronto	2005
B.Sc.	Chemical Engineering	Amirkabir University of Technology	1999

3. ACADEMIC EXPERIENCE:

Visiting Instructor	Dept of Chemical & Biomolecular Engr	2014-present
Supervisor	University of Michigan	2008-2008
Teaching Assistant	University of Toronto	2004-2006

4. NON-ACADEMIC EXPERIENCE:

Chemical Engineer	Polytechnic University of Technology	2000-2001
Chemical Engineer	Behshahr Industrial Co.	1998-1998

5. CERTIFICATIONS AND PROFESSIONAL REGISTRATIONS:

None.

6. CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

ISME and CSChE

7. HONORS AND AWARDS:

University of Toronto Fellowship	2006-2011
University of Toronto Doctoral Completion Grant	2010-2011
Ontario Graduate Scholarship	2009-2010
University of Toronto Fellowship	2003-2005

8. SERVICE ACTIVITIES:

Volunteered for welcome back/information table in Schrank Hall South to meet and help new students and returning students to campus

Supervised 50 third- and fourth-year students from Angell Elementary School in Ann Arbor, Michigan to participate in world Water Monitoring Day

Webmaster and executive member of Chemical Engineering Graduate Student Association (CEGSA): designed webpage/organized weekly meetings and arranged various events

Member of Hart House farm, a University of Toronto recreational facility: arranged special events

Volunteered in Shelter Association to prepare food for homeless people in Ann Arbor, MI

Executive member of Student Union at University of Toronto: organized weekly meetings and various events

Volunteer: cooperated with members of Student Union at University of Toronto to raise \$15,000 for Bam earthquake survivors

9. IMPORTANT PUBLICATIONS OVER THE LAST FIVE YEARS:

R. Gitiafroz, F. Luo, C. E. Devine, Y. Gong, L. A. Hug, L. Raskin, and E. A. Edwards, "Metatranscriptome of a Benzene-Degrading Nitrate-Reducing Culture reveals involvement of caboxylation in benzene ring activation", *Applied and Environmental Microbiology*, 2014; 80 (14), 4095-4107.

R. Gitiafroz, C. E. Devine, E. A. Edwards, "Metabolic Pathways, Genes, and Enzymes in Anaerobic Benzene-Degrading Cultures: From "Omics" to Application ", Battelle Bioremediation Symposium, Reno, Nevada, June 27-30, 2011.

R. Gitiafroz, C. E. Devine, L. Hug, L. Raskin, E. A. Edwards, "Bacteria involved in Benzene Biodegradation under Nitrate-reducing Conditions", *ISME-13*, Seattle, Massachusetts, August 22-27, 2010.

10. PROFESSIONAL DEVELOPMENT OF THE LAST FIVE YEARS:

Involved in preparation of proposals for a new Corrosion Associate Degree at The University of Akron

Involved in designing curriculum proposals for four new courses (Corrosion Engineering Technology Fundamentals I, Corrosion Engineering Technology Fundamentals II, Strategies for Corrosion Prevention, and Corrosion Engineering Technology Projects)