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**Curriculum Vitae**  
**Roya Gitiafroz, Ph.D.**

Department of Chemical Engineering and Biomolecular Engineering  
The University of Akron, Akron, Ohio, 44325  
Tel., 330-972-5917 (Office), 734-972-4002 (Cell phone)  
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**Position**

08/2016 – present

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University of Toronto Fellowship

09/2003-09/2005

**Teaching Experience**

Courses:

- ! Transport Phenomena 08/31/2016-present
- ! Process Design I
- ! Chemical Engineering Lab
- ! Fluid and Thermal Operations
- ! Corrosion Engineering Computations
- ! Aqueous Corrosion Lab 2
- ! Project Management and Teamwork
- ! Aqueous Corrosion Lab 1

Courses:

- ! Chemical Engineering Computation 01/2014-05/2016
- ! Materials Science for Corrosion Engineering
- ! Chemical Engineering Laboratory
- ! Tools for Chemical Engineering
- ! Project Management and Teamwork
- ! Aqueous Corrosion Laboratory I
- ! Aqueous Corrosion Laboratory II
- ! High Temperature Corrosion Laboratory
- ! Transport phenomena (grading the exams)
- ! Statics
- ! Basic Chemistry
- ! Basic Chemistry Laboratory

Planned and delivered well-structured lectures to engage and motivate students' participation

Created lecture videos

Developed new lab exercises based on scientific articles and standards

Conducted laboratory sessions

Created and graded course assignments to ensure student



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Helped prepare a proposal for a new Corrosion Associate Degree at 2015



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4. H. Tavana, **R. Gitiafroz**, M.L. Hair, A.W. Neumann, "Determination of Solid Surface Tension from Contact Angles: the Role of Shape and Size of Liquid Molecules", , 2004; 8, 705-725.

**CONFERENCE PRESENTATIONS (REFEREED)**

1. **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.

2. **R. Gitiafroz**, C. E. Devine, L. Hug, L. R

**REFERENCES**

Prof. H. M. Cheung, Department of Chemical and Biomolecular Engineering, The University of Akron/Ohio's Polytechnic University, Akron, OH, 44325, Tel: (330) 972-7250, Email: [cheung@uakron.edu](mailto:cheung@uakron.edu)

Prof. E. A. Evans, Department of Chemical and Biomolecular Engineering, The University of Akron/Ohio's Polytechnic University, Akron, OH, 44325, Tel: (330) 972-8292, Email: [evanse@uakron.edu](mailto:evanse@uakron.edu)

Prof. E. A. Edwards, Department of Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, ON, M5S 3E5, Tel: (416) 946-3506, Email: [elizabeth.edwards@utoronto.ca](mailto:elizabeth.edwards@utoronto.ca)