


## BIOGRAPHICAL SKETCH

NAME  <b>Rashid Zakeri</b>  Physical Address: Graduate Student Department of Chemistry Indiana University Simon Hall MSB 212 S. Hawthorne Drive Bloomington, IN 47405	Office: Simon Hall: 108A ph: (812)856-5484 <a href="http://www.indiana.edu/~bakergrp/">http://www.indiana.edu/~bakergrp/</a>  email: rzakeri@indiana.edu	POSITION TITLE <b>Graduate Student</b> 
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INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Southern Illinois University / Carbondale, IL.	B.S.	2005	Chemistry
Southern Illinois University / Carbondale, IL.	M.S	2008	Chemistry
Indiana University, Bloomington		2008-	Chemistry

### A. Positions and Honors

#### *Professional Employment*

2008 **May – August Research Scientist**, *Phoenix Biosystems*, research and development of electro-less deposition of thin metal coatings on microfluidic devices.

#### *Professional Activities*

Memberships - American Chemical Society, American Association for the Advancement of Science

#### *Awards and Honors*

2007 *C. David Schmulbach Graduate Teaching Award* for outstanding teaching excellence

### B. Peer Reviewed Publications

1. Basnyat, P.; Luster, B.; Murature, C.; Voevodin, A. A.; Haasch, R.; Zakeri, R.; Kohli, P.; Aouadi, S.M. Surface Texturing for Adaptive *Solid Lubricants*. *Surface and Coatings Technology*, **2008**, 203(1-2), 73-79
2. Gatebe, E.; Herron, H.; Zakeri, R.; Rajasekaran, P.R.; Aouadi, S.M.; Kohli, P. Synthesis and Characterization of Polydiacetylene Films and Nanotubes. *Langmuir*, **2008**, 24(20), 11947-11954.
3. Zakeri, R.; Watts, C.; Wang, H.; Kohli, P. Synthesis and Characterization of Nonlinear Nanopores in Alumina Films. *Chemistry of Materials*, **2007**, 19(8), 1954-1963
  - i. *Nanotoday* highlighted this work in their June **2007**, vol. 2, p. 10  
Titled: The Shape of Pores to Come.

### C. Presentations

1. Tuning Higher Hierarchical Nanopores in Anodic Aluminum Oxide, Rashid Zakeri, Punit Kohli, Section – Nanoscale Structures and Their Application, **2007**, FACSS 34<sup>th</sup> Annual International Meeting, Memphis, Tenn.

2. Controlled Nanoscale Indentation for High Speed Formation of Nanohole Arrays, Rashid Zakeri, Punit Kohli, Section – Nanoparticles in Cells and Other Nanosensor Advances, **2007**, Pittsburgh Conference, Chicago, Illinois
3. Tuning Branched and Non-linear Nanopores in Anodic Aluminum Oxide, Rashid Zakeri, Punit Kohli, Section – Nano Chemistry, **2007**, Pittsburgh Conference, Chicago, Illinois.
4. Preparation of programmed synthesis of anodic aluminum oxide nanopores and corresponding metallic nanowires, Rashid Zakeri, Punit Kohli, Section – Colloidal Chemistry, **2006**, ACS 231<sup>st</sup> National Meeting, Atlanta, GA.
5. Beyond Cylindrical and Conical Nanotubes and Nanotube Membranes, Rashid Zakeri, Punit Kohli, Section – Nanotechnology: Sensors and New Methods, **2006**, Pittsburgh Conference, Orlando, Florida.
6. Programmed Nanopores and Nanowires, Rashid Zakeri, Punit Kohli, Section – Functionalized Metal Nanoparticles For Sensing Applications I, **2005**, ACS 57<sup>th</sup> Southeast/61<sup>st</sup> Southwest Regional Meeting, Memphis, Tenn.

#### **D. Teaching Experience**

2005	Teaching Assistant	Fall Semester	Chemistry 201: General Chemistry Lab
2006	Teaching Assistant	Summer Semester	Chemistry 201: General Chemistry Lab
2007	Teaching Assistant	Spring Semester	Chemistry 106: General Chemistry Lab (Non-Science)
2008	Teaching Assistant	Spring Semester	Chemistry 140a: General Bio-Chemistry Lab
2008	Associate Instructor	Fall Semester	Chemistry 117: General Chemistry Lab
2009	Associate Instructor	Spring Semester	Chemistry 117: General Chemistry Discussion