

**ISA O. PEJIC**  
**Ph.D. Chemistry**

**EDUCATION**

**2004.** Ph. D., Chemistry, University of Florida.

**1999.** B. Sc., Chemistry, First Class Honors, McGill University, Montreal, Canada.

**EXPERIENCE**

Texas A&M-San Antonio University

**August 2016-Current.** Laboratory manager.

University of Incarnate Word and Texas A&M-San Antonio University

**January 2015-Current.** Adjunct Professor.

Austin Peay State University, Clarksville, TN

**January 2010- May 2014.** Full time lecturer for the Chemistry Department.

Rio Grande Solar, Greenwich, CT

**June 2009- January 2010.** Science consultant.

Unilever Research, Trumbull, CT.

**December 2004- May 2009.** Research Scientist for the Material Science Unit of a large international Personal Care industrial conglomerate.

University of Florida

**August 1999- December 2004.** Graduate Research Assistant.

Université de Nantes, France.

**02-2001 and 06-2003.** Collaborated and coordinated laboratory tasks with foreign professors at the Laboratoire de Synthèse Organique in an NSF-funded international project exchange.

McGill University, Canada.

**1998-1999.** Undergraduate honors research.

**AWARDS**

**2003.** Certificate for outstanding academic achievement by an international student.

**1999.** Grinter Fellowship for graduate study.

**1995-1999.** Full merit based academic scholarship to pursue studies at McGill University.

## PRESENTATIONS

1. 80<sup>TH</sup> ACS Colloid and Surface Science Symposium, Boulder, CO, June 2006. **I. O. Benitez**; A. Lips; J. Ding. Presentation Title: Effect of Retinol on Skin Lipids: Langmuir Monolayers of Retinol and Skin Ceramides.
2. American Chemical Society 225<sup>th</sup> National Meeting, New Orleans, LA, March 2003. **I. O. Benitez**; R. Backov; S. R. Khan; D. R. Talham. Poster title: Growth of Calcium Oxalate Monohydrate at Phospholipid Monolayers.
3. Florida Annual Meeting and Exposition, Orlando, FL, May 2003. **I. O. Benitez**; R. Backov; S. R. Khan; D. R. Talham. Presentation title: Growth of Calcium Oxalate Monohydrate at Phospholipid Monolayers.
4. American Chemical Society 223<sup>rd</sup> National Meeting, Orlando, FL, April 2002. **I. O. Benitez**; B. Bujoli; L. J. Camus; C. M. Lee; F. Odobel; D. R. Talham. Poster title: Monolayers as Models for Supported Catalysis: Zirconium Phosphonate Films Containing Manganese (III) Porphyrins.
5. Florida Annual Meeting and Exposition, Orlando, FL, May 2001. **I. O. Benitez**; B. Bujoli; L. J. Camus; C. M. Lee; F. Odobel; D. R. Talham. Presentation title: Catalytic Oxidations by Manganese Porphyrins Immobilized as Langmuir-Blodgett Films.
6. 13<sup>th</sup> International Symposium on Surfactants in Solution, Gainesville, FL, May 2000. C. M. Nixon-Lee; **I. O. Benitez**; B. Bujoli; L. J. Camus; K. LeClaire; F. Odobel; D. R. Talham. Poster title: Manganese Porphyrin Containing Zirconium Phosphonate Films.

## PUBLICATIONS

1. D. R. Talham; R. Backov; **I. O. Benitez**; D. M. Sharbaugh; S. Whipps; S. R. Khan, "Role of Lipids in Urinary Stones: Studies of Calcium Oxalate Preparation at Phospholipid Langmuir Monolayers" *Invited feature article: Langmuir* **2006**, 22, 2450-2456.
2. **I. O. Benitez**; D. R. Talham, "Calcium Oxalate Monohydrate Precipitation at Membrane Lipid Rafts" *J. Am. Chem. Soc.* **2005**, 127, 2814.
3. **I. O. Benitez**; D. R. Talham, "Brewster Angle Microscopy of Calcium Oxalate Monohydrate Precipitation at Phospholipid Monolayer Phase Boundaries" *Langmuir* **2004**, 20, 8287.
4. G. Nonglaton; **I. O. Benitez**; I. Guisle; M. Pipelier; J. Léger; C. Tellier; D. Dubreuil; D. R. Talham; B. Bujoli, "A New Approach to Oligo-probe Microarrays Using Zirconium Phosphonate modified Surfaces" *J. Am. Chem. Soc.* **2004**, 126, 1497.
5. J. T. Culp; J.-H. Park; **I. O. Benitez**; M. W. Meisel; D. R. Talham, "Sequential Assembly of Homogeneous Magnetic Prussian Blue Films on Templated Surfaces" *Chem. Mater.* **2003**, 15, 2193.
6. **I. O. Benitez**; R. Backov; S. R. Khan; D. R. Talham, "Direct Observation of Calcium Oxalate Monohydrate Precipitation at Phospholipid Monolayers with Brewster Angle Microscopy" *Mat. Res. Soc. Symp. Proc.* **2003**, 774, 209.
7. J. T. Culp; J.-H. Park; **I. O. Benitez**; M. W. Meisel; D. R. Talham, "Two applications of metal cyanide square grid monolayers: studies of evolving magnetic properties in layered films and templating Prussian blue family thin films" *Polyhedron* **2003**, 22, 2125.
8. **I. O. Benitez**; B. Bujoli; L. J. Camus ; C. M. Lee ; F. Odobel ; D. R. Talham, "Monolayers as Models for Supported Catalysis: Zirconium Phosphonate Films Containing Manganese (III) Porphyrins" *J. Am. Chem. Soc.* **2002**, 124, 4363.