

Alice H. Suroviec
(formerly Alice C. Harper)

Department of Chemistry
Berry College
Mt. Berry GA

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Education

Virginia Tech, Blacksburg, VA	2000 – 2005
Ph.D. in <i>analytical chemistry</i> Advisor: <i>Mark R. Anderson</i>	
Allegheny College, Meadville, PA	1996 – 2000
Graduated Cum Laude	
BS in chemistry, with honors	

Teaching

Positions Held

Associate Professor of Chemistry Berry College	2013 - present
Assistant Professor of Chemistry Berry College	2007 - 2013
Assistant Professor of Chemistry Concordia College	2005 – 2007

Scholarly Activities

Research

Directed Undergraduate Research Projects at Berry College	2008 – present
Directed Study and Work – Study Projects	
Assistant Director of the Summer Undergraduate Research Experience for Undergraduates North Dakota State University.	2005 – 2007
Directed research on polypyrrole coated Al ₂ O ₃ -TiO ₂	

Grants Awarded

Travel Grant Gordon Research Conference	S 2016
Kirbo Scholarship Faculty Mentor	S10-S11
New Faculty Initiating Competitive Research Programs	
MNS Faculty Development Travel Grant	S08 – 17
Berry College Faculty Development Award	S08,09,11; F09;S12;13;16

Awards

Dave and Lu Garrett Award for Meritorious Teaching	S14
Larry G. McRae Award for Meritorious Teaching in Chemistry	S09;11;12;16
Graduate Assistant Teaching Award	S01; S04

Presentations at Conferences

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| International Society of Electrochemistry (invited presentation) | August 2017 |
| • <i>Biosensor Experiments in Undergraduate Laboratories.</i> | |
| Gordon Research Conference (invited presentation) | Jan 2016 |
| • <i>Electrochemical Studies of a Persistent Urazole Radical</i> | |
| Southeastern Regional ACS Meeting (student presentation) | Nov 2015 |
| • <i>Identifying Polyphenols Present in Black, Green and Herbal Teas</i> | |
| Electrochemical Society | May 2015 |
| • <i>Self-Assembled Monolayer Experiments in Undergraduate Laboratories.</i> | |
| Electrochemical Society | Oct 2014 |
| • <i>Effect of SAM Chain Length on Mediated Amperometric Detection of Glucose</i> | |
| Southeastern Regional ACS Meeting (student presentation) | Oct 2013 |
| • <i>Simultaneous Determination of Glucose and Lactose</i> | |
| Electrochemical Society | May 2012 |
| • <i>Development of Biosensors for the Detection of Organophosphates in Waterways</i> | |
| Pittsburgh Conference (student presentation) | March 2011 |
| • <i>Covalently Modified Microelectrodes for Amperometric Determination of Cholesterol</i> | |
| • <i>Using Acetylcholinesterase to Determine Concentration Levels of Acetylcholine in Solution via Potentiometric Methods</i> | |
| Electrochemical Society (student presentation) | October 2010 |
| • <i>Improving the Production Process and Durability of Amperometric Biosensors for Detection of Cholesterol Using Gold Microelectrodes</i> | |
| Electrochemical Society | April 2010 |
| • <i>Effect of Ion-Pairing on the Open Circuit Potential of 3 - Mercaptopropionic Acid Modified Gold Electrodes</i> | |
| Pittsburgh Conference (student presentation) | March 2010 |
| • <i>Improving the Production Process and Durability of Amperometric Biosensors for Real-time Monitoring of Glucose and Cholesterol</i> | |
| Electrochemical Society | May 2007 |
| • <i>Polypyrrole/Aluminum Flake Hybrids as Corrosion Inhibitors for Aluminum 2024-T3</i> | |

Refereed Publications

- Breton, G. W.; **Suroviec, A. H.** "Intermediacy of Persistent Urazole Radical and an Electrophilic Diazenium Species in the Acid-Catalyzed Reaction of MeTAD with Anisole." *Journal of Organic Chemistry*, **2016**, 81, 206.
- Suroviec, Alice H.** "Effect of SAM Chain Length on Mediated Amperometric Detection of Glucose." *ECS Trans.*, **2015**, 64, 34.
- Hooper Marosek, S. E.; Gowings, L.K.;* and **Suroviec, A. H.** "Quantitative Determination of Hemoglobin in Tooth and Bone by UV/VIS Spectroscopy and Cyclic Voltammetry." *J. Forensic Res.*, **2013**, 4, 183.
- Suroviec, A. H.** "Introduction to Electrochemistry." *Journal of Laboratory and Chemical Education* **2013**, 1, 45.
- Cho, E.; * Crumbley, J.;* and **Suroviec, A. H.** "Development of Acetylcholinesterase Biosensor for the Detection of Organophosphates." *ECS Trans.*, **2013**, 45, 63.
*Student Researchers
- Suroviec, A. H.** "Determining Surface Coverage of Self-Assembled Monolayers on Gold Electrodes." *Chem. Educator* **2012**, 17, 83.
- McCaslin, T.; * and **Harper. A. C.** "Improving the Production Process and Durability of Amperometric Biosensors for Detection of Cholesterol Using Gold Microelectrodes." *ECS Trans.*, **2011**, 33, 3.
*Student Researcher
- Harper, A.**; Anderson, M.R. "Electrochemical Glucose Sensors—Developments Using Electrostatic Assembly and Carbon Nanotubes for Biosensor Construction." *Sensors* **2010**, 10, 8248.
- Anderson, M.R.; **Harper. A. C.** "Effect of Ion-Pairing on the Open Circuit Potential of 3 - Mercaptopropionic Acid Modified Gold Electrodes," *ECS Trans.* **2010**, 28, 3.
- Vetter, C.; Qi, X.; **Harper, A.C.**; Kasisomayajula, S. V.; Gelling, V. J. "A Polypyrrole Composite Pigment for Corrosion Inhibition on Aluminum 2024," *Proceedings of International Corrosion Conference*, **2008**, Las Vegas, NV.

Qi, X.; Vetter, C.; **Harper, A. C.**; Gelling, V. J.. "Electrochemical Investigations into Polypyrrole/Aluminum Flake Pigmented Coatings" *Progress in Organic Coatings*, **2008**, *63*, 345.

Vetter, C.; Qi, X.; **Harper, A. C.**; Gelling, V. J. "Polypyrrole/Aluminum Flake Pigmented Coatings for Corrosion Inhibition," *Proceedings of Tri-Services Corrosion Conference*, **2007**, Denver, CO.

Invited Book Chapters

"Layer-by-Layer Assembly of Glucose Oxidase on Carbon Nanotube Modified Electrodes." **A. H. Suroviec**. *Enzyme Stabilization and Immobilization: Methods and Protocols, Second Edition*. Shelley D. Minteer, Eds.; Methods in Molecular Biology Vol 1504; Springer Publishing; New York, 2016.

"Polypyrrole/aluminum flake hybrid pigments for corrosion inhibition of aluminum 2024" C. Vetter, X. Qi, **A. C. Harper**, S.V. Kasisomayajula, V.J. Gelling. *Self – Healing Properties of New Surface Treatments*. Fedrizzi, Furbeth, Montemor, Eds.; European Federation of Corrosion Publications 58; Maney Publishing: Leeds, UK, 2011.

"Polypyrrole/Aluminum Flake Hybrids as Corrosion Inhibitors for Aluminum 2024-T3." C. Vetter, K. Gohmann,* **A. C. Harper** and V. J. Gelling. *Smart Coatings III*; J. Baghdachi, T. Provder, Eds.; ACS Symposium Series 1050; American Chemical Society; Washington, DC, 2010.

* student researcher

Membership in Professional Societies

Electrochemical Society	2001-present
Chair of the PAE Division	2017 – present
Education Committee	2016 - present
Lead Symposium Organizer	2015-present
Vice-Chair of the PAE Division	2015-2017
Member at Large for PAE Division	2010-2015
Society of Electroanalytical Chemistry	2001-present
American Chemical Society	2000-present

Service

Professional

Associate Editor of Journal of the Electrochemical Society	2016 – present
Co-Editor of ECS Transactions	
227th ECS Meeting, Volume 66, Issue 37	2015
227th ECS Meeting, Volume 66, Issue 34	2015

220th ECS Meeting, Volume 41, Issue 27	2011
Reviewer for Journal of Electrochemical Society	2013 - present
Reviewer for Sensor Letters	2011 - present
Test bank author, W. W. Norton	2016 - present
Miesfeld and McEvoy, 1st Ed. Biochemistry	2016
Accuracy reviewer, Pearson	2010 – present
Hill, 14 th Ed. Chemistry for Changing Times	2014
Hill, 13 th Ed. Chemistry for Changing Times	2010
Voet, 4 th Ed. Fundamentals of Biochemistry	2011
Reviewer for <i>Progress in Organic Coatings</i>	2006 – present

College

Chair of the Department of Chemistry and Biochemistry	2016 – present
Chair, Foundations Curriculum Committee	2016 – present
Co-Chair SACS-COC QEP Exploratory Committee	2015 – 2016
Chair of Faculty Assembly	2015 – 2016
MNS P&T Committee	2015 – present
Vice-chair of Faculty Assembly	2014 – 2015
General Education Committee	2014 – 2016
Institutional Effectiveness Committee	2013 – 2015
Parliamentarian for Faculty Assembly	2013 – 2014
MNS Research Committee	2013 – 2015
Writing Across the Curriculum	2013 – 2015
Presidential Advisory Committee	2013 – 2016
Pre – Medical Advisory Committee	2010 – present
Cultural Event Committee	2010 – 2012
General Education Task Force	2009 – 2012
Center for Teaching Excellence Committee	2009 – 2011
Conson Wilson Committee	2008 – 2010
EVS Committee	2007 – present

Departmental

Represented chemistry department at Discover Berry, First Hand Friday	2007 – present
Organize and host Rome HS AP chemistry class Including laboratory demonstrations and speakers	2008 – 2012
Organize and host chemistry department seminar speakers	2007 – present