

**DAVID A. SABATINI**

David Ross Boyd Professor and Sun Oil Company Chair  
 School of Civil Engineering and Environmental Science  
 Adjunct Professor, Chulalongkorn University, Bangkok, Thailand  
 Adjunct Professor, Addis Ababa University, Addis Ababa, Ethiopia  
 Founding Director, WaTER (Water Technologies for Emerging Regions) Center  
 Associate Director, The Institute for Applied Surfactant Research  
 The University of Oklahoma; 202 West Boyd Street, Room 334; Norman, OK 73019-1024  
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**PERSONAL:** Born: December 31, 1957, Peoria, IL, USA  
 Married: Wife - Frances; Children - Caleb (12/23/88), Peggy (3/6/91)

**GOALS:** Develop innovative technologies and pedagogical styles to creatively impact the following areas:

Water Technologies for Emerging Regions: Water & Sanitation/Remote Areas  
 Advanced Microemulsions: Environmental, Consumer & Energy Technologies  
 Transport, Fate, Identification and Treatment of Emerging Contaminants

**APPOINTMENTS:**

7/99 - present	Professor (David Ross Boyd Professor – 2005; Sun Oil Company Chair – 2002); The University of Oklahoma
1/01 - present	Director, Environmental and Ground Water Institute / WaTER (Water Technologies for Emerging Regions) Center (June '06)
3/00 - present	Associate Director, The Institute for Applied Surfactant Research
1/20 – present	Adjunct Professor, Addis Ababa University, Addis Ababa, Ethiopia
7/02 – present	Africa Center of Excellence for Water Management
	Adjunct Professor, Chulalongkorn University, Bangkok, Thailand
9/97 - 7/98	Center of Excellence for Hazardous Waste Management
	Senior Fulbright Scholar
5/97 - 8/97	Universität Tübingen, Germany
	Environmental Scientist; USEPA -- Robert S. Kerr Environmental Research Laboratory, Ada, OK
1/89 - 6/99	Assistant Professor, Associate Professor (6/94)
	The University of Oklahoma
9/85 - 12/88	USDA National Needs Fellow
	Iowa State University
1/84 - 8/85	Research Assistant / Instructor
	Memphis State University
2/81 - 12/83	Roadway Designer, Engineer Surveyor
	Illinois Central Gulf Railroad

**ADJUNCT APPOINTMENTS:**

1/01 - present	Adjunct Professor, Chulalongkorn University, Bangkok, Thailand
1/20 – present	Adjunct Professor, Addis Ababa University, Addis Ababa, Ethiopia

**TECHNOLOGY FIRMS:**

5/00 - present	Partner, Surfactant Associates, Inc., Norman, OK
12/96 – 10/08	Co-Founder / Principal
	Surbec-ART Environmental, LLC, Norman, OK

**EDUCATION:**

PhD	1989	Iowa State University, Ames, IA
		"Sorption and Transport of Atrazine, Alachlor and Fluorescent Dyes in Alluvial Aquifer Sands"
MSCE	1985	Memphis State University, Memphis, TN
		"Biological Removal of Chlordane from Synthetic Landfill"

BSCE            1981    Leachate"  
 University of Illinois, Urbana, IL

HONORS: Oklahoma Higher Education Hall of Fame, Oklahoma Higher Education Heritage Society (2020)  
 Rotary International WASRAG (Water and Sanitation Rotary Action Group) Member of the Year Award (2019)  
*Journal of Surfactants and Detergents* Outstanding Paper of the Year Award (2018)  
 Larry W. Canter Influencing Environmental Interest Award, School of Civil Engineering and Environmental Science – OU (2018)  
 International Service Award, U.S. National Chapter - International Association of Hydrogeologists (2017)  
 Larry W. Canter Influencing Environmental Interest Award, School of Civil Engineering and Environmental Science – OU (2017)  
 Steven K. Dentel Award for Global Outreach, Association of Environmental Engineering and Science Professors (AEESP) (2016)  
 Pursuit of Excellence Faculty Award, OU Gallogly College of Engineering, Inaugural Winner (2015)  
 David L. Boren Award for Outstanding Global Engagement, OU (2015).  
 University of Illinois Civil and Environmental Engineering Alumni Association Distinguished Alumnus Award (2012)  
 Larry W. Canter Influencing Environmental Interest Award, School of Civil Engineering and Environmental Science – OU (2011)  
 Water Environment Federation Award of Merit with Distinction for Work in Developing Countries (2011)  
 Oklahoma Medal for Excellence in Teaching at a Research University – Oklahoma Foundation for Excellence (2010)  
 DaVinci Fellow Award – DaVinci Institute of Oklahoma (2010)  
 George W. Tauxe Outstanding Professor Award in School of Civil Engineering and Environmental Science – OU (2010)  
 Association of Environmental Engineering and Science Professors (AEESP) Wiley Outstanding Educator Award: Outstanding Contribution to Environmental Engineering and Science Education (2008)  
 Japanese Oil Chemist Society Lectureship Award (2006)  
 National Ground Water Association Ground Water Remediation Project Award (2006)  
 David Ross Boyd Professor – University of Oklahoma (2005)  
*Journal of Surfactants and Detergents* Outstanding Paper of the Year Award (2003)  
 Sun Oil Company Endowed Chair – University of Oklahoma (2002)  
 Charles L. Blackburn Presidential Professorship (2000)  
 Outstanding Professor's Academy, OK Educational Leadership Academy (2000)  
 Fulbright Senior Scholar Award -- Universität Tübingen, Germany (1997-1998)  
 The OU Student Association Outstanding Faculty Award for Engineering (1996)  
 MAPCO Distinguished Lectureship Award (OU College of Engineering, 1996, 1997)  
 Regents Award for Superior Teaching (University of Oklahoma - 1995)  
 Outstanding Young Alumnus Award (Iowa State University - 1995)  
 Dow Outstanding Young Faculty Award (Midwest Section ASEE - 1993)  
 Conoco Distinguished Lectureship Award (OU Engineering College - 1993, 1994)  
 AIChE Outstanding Paper Award (Summer 1992 National Meeting)  
 Junior Faculty Summer Research Fellowship (OU - 1989)  
 Research Excellence Award (Dissertation - Iowa State University - 1989)  
 USDA National Needs Doctoral Fellowship (1985-1988)  
 Premium for Academic Excellence Award (ISU - 1985)  
 Chi Epsilon, Tau Beta Pi, Phi Kappa Phi, Sigma Xi

SOCIETIES: American Chemical Society  
 American Geophysical Union  
 American Oil Chemists Society  
 American Society of Civil Engineers  
 American Society of Engineering Educators  
 American Water Works Association  
 Association of Environmental Engineering and Science Professors  
 International Water Association  
 National Ground Water Association  
 Water Environment Federation

REGISTRATION: PE: Tennessee - 0107663, Oklahoma - 17121

REFEREED JOURNALS SERVED AS ASSOCIATE EDITOR/EDITORIAL BOARD/EDITOR-IN-CHIEF:

Editor-in-Chief (Co-): Journal of Contaminant Hydrology. 2008 – 2014

Associate Editor: Journal of Surfactants and Detergents. 2003 –2016; Journal of Contaminant Hydrology. 1998 – 2008, 2014 - present; Ground Water. 1993 – 2000.

Member International Editorial Board: Journal of Water, Sanitation and Hygiene for Development. 2010 – present.

Member International Editorial Board: Development Engineering Journal. 2014 – present.

Member Editorial Advisory Board: Journal of Surfactants and Detergents. 2016-present.

BOOKS (CO-AUTHORED OR CO-EDITED) (4):

4. Brusseau, M., Sabatini, D. A., Gierke, J. and Annable, M., eds. Innovative Subsurface Remediation: Field Testing of Physical, Chemical and Characterization Technologies. ACS Symposium Series 725, American Chemical Society, Washington, D.C., 1999, ISBN 0-8412-3596-1, 299 pp.
3. Sabatini, D. A., Knox, R. C., and Harwell, J. H., eds. Surfactant Enhanced Subsurface Remediation: Emerging Technologies. ACS Symposium Series 594, American Chemical Society, Washington, D.C., 1995, ISBN # 0-8412-3225-3, 312 pp.
2. Knox, R. C., Sabatini, D. A. and Canter, L. W. Subsurface Transport and Fate Processes. Lewis Publishers, Boca Raton, FL, 1993, ISBN # 0-87371-193-9, 430 pp.
1. Sabatini, D. A. and Knox, R. C., eds. Transport and Remediation of Subsurface Contaminants. ACS Symposium Series 491, American Chemical Society, Washington, D.C., 1992, ISBN # 0-8412-2223-1, 252 pp.

NATIONAL RESEARCH COUNCIL BOOKS CO-AUTHORED (1):

1. Committee on Source Removal of Contaminants in the Subsurface. Contaminants in the Subsurface: Source Zone Assessment and Remediation. 2005, The National Academy Press, ISBN# 0-309-09447-X, 358 pp. [www.nap.edu](http://www.nap.edu).

REFEREED JOURNAL ARTICLES / BOOK CHAPTERS (221):

- Work has been cited 10,703 times with h-index of 59, an i-100 index of 23 and an i-10 index of 179 (Google Scholar Citations: February 2, 2021).

221. Deal, P. and Sabatini, D. A. "An assessment of penetration for pay-to-fetch water kiosks in rural Ghana using the Huff Gravity Model." Journal of Water, Sanitation and Hygiene for Development. 2020, 10(4), 670-679.
220. Mahmoud-Elhaj, D., Tanner, B., Sabatini, D. and Feltz, A. "Measuring Objective Knowledge of Potable Recycled Water." Journal of Community Psychology, 2020, 48, 2033-2052.
219. Phaodee, P., Harwell, J. H. and Sabatini, D. A. "Correlation between detergency of different oily and solid non-particulate soils and hydrophilic-lipophilic deviation (HLD)." Journal of Surfactants and Detergents, 2020, 23(5), 953-962.
218. Deal, P. and Sabatini, D. A. "Evaluating the level of household water service provided by a private water enterprise in Ghana." Water. 2020, 2, 693; doi:10.3390/w12030693, 1-18.
217. Deal, P. and Sabatini, D. A. "Utilizing Indicator Kriging to Identify Suitable Zones for Manual Drilling in Weathered Crystalline Basement Aquifers." Groundwater for Sustainable Development. 2020, 11, doi.org/10.1016/j.gsd.2020.100402, 1-15.
216. Nijhawan, A., Butler, E., and Sabatini, D. A. "Fluoride Adsorption on Porous Hydroxyapatite Ceramic Media: A Study of Kinetics." Environmental Engineering Science. 2020, 37(6). DOI: 10.1089/ees.2019-0392, 409-416.
215. Chamberlain, J.F., Tromble, E., Graves, M. and Sabatini, D. "Water Reuse vs. Water Conveyance for Supply Augmentation: Cost and Carbon Footprint." AWWA Water Science. 2020; e1170. <https://doi.org/10.1002/aws2.1170>. 2(1), 1-12.
214. Phaodee, P. and Sabatini, D. A. "Effect of Surfactant Systems, Alcohol Type, and Salinity on Cold Water Detergency of Triacylglycerol Semisolid Soil. Part II." Journal of Surfactants and Detergents. 2020, 23(2), 423-432.
213. Phaodee, P., Attaphong, C. and Sabatini, D. A. "Cold Water Detergency of Triglyceride Semi-solid Soils: The Effect of Salinity, Alcohol Type and Surfactant Systems." Journal of Surfactants and Detergents. 2019, 22, 1175-1187.
212. Chanwattanakit J, Scamehorn J. F., Sabatini, D.A. and Chavadej, S. "Laundry Detergency of Solid Non-particulate Soil or Waxy Solids: Part II. Effect of Surfactant Type." Journal of Surfactants and Detergents. 2019, 22, 571-585.
211. Yami, T. L., Chamberlain, J. F., Beshah, F. Z. and Sabatini, D. A. "Performance Enhancement of Nalgonda Technique and Pilot Testing Electrolytic Defluoridation System for Removing Fluoride from Drinking Water in East Africa." African Journal of Environmental Science and Technology. 2018, 12(10), 357-369.
210. Resasco, D., Wang, B. and Sabatini, D. "Distributed Processes for Biomass Conversion could Aid U.N. Sustainable Development Goals." Nature Catalysis. 2018, 1(10), 731-735.
209. Nijhawan, A., Butler, E., and Sabatini, D. "Hydroxyapatite Ceramic Adsorbents: Effect of Pore Size, Regeneration and Selectivity for Fluoride." J. Environmental Engineering. 2018, 144(11), DOI: 10.1061(ACE)EE.1943-7870.0001464, 04018117, 1-7.
208. Charoensaeng, A., Khaodhiar, S., Sabatini, D. A. and Arpornpong, N., "Exhaust Emissions of a Diesel Engine using Ethanol-in-Palm Oil/Diesel Microemulsion-based Biofuels." Environmental Engineering Research. 2018, 23(3), 242-249.
207. Arpornpong, N., Charoensaeng, A., Khaodhiar, S. and Sabatini, D. A. "Formulation of Microemulsion-

- Based Washing Agent for Oil Recovery from Spent Bleaching Earth-Hydrophilic Lipophilic Deviation Concept.” Colloids and Surfaces A: Physicochemical and Engineering Aspects. 2018, 541, 87-96.
206. Damrongsiri, S., Tongcumpou, C. and Sabatini, D. A. “Effect of Dibutyltin Dichloride on the Partitioning Behavior of Surfactant, n-Butanol, Perchloroethylene and Water.” Environmental Engineering Science. 2018, 35(1), 46-52.
205. Yami, T. L., Butler, E. C. and Sabatini, D. A. “Preparation and Evaluation of Monetite as a High-Capacity Adsorbent for Fluoride Removal from Drinking Water.” J. Environmental Engineering. 2018, 144(1), DOI: 10.1061(ACE)EE.1943-7970.0001285, 04017081, 1-8.
204. Yami, T. L., Sabatini, D. A. and Busenitz, L. W. “Using Business Models in Designing Market-based Solutions: The Case of Fluoride Removal from Drinking Water.” Journal of Water, Sanitation and Hygiene for Development. 2017, 7(3), 387-395.
203. Petts, A.J., Hou, L., Sabatini, D. A. and T.C.G. Kibbey. “Aqueous Surfactant-Based Extraction of Cottonseed Collets from an Industrial Oilseed Processing Facility.” Journal of American Oil Chemists Society. 2017, 94(8), 1121-1127.
202. Nijhawan, A., Butler, E., and Sabatini, D. "Macroporous Hydroxyapatite Ceramic Beads for Fluoride Removal from Drinking Water." Journal of Chemical Technology and Biotechnology. 2017, 92(8), 1868-1875.
201. Chanwattanakit J, Scamehorn J. F., Sabatini, D.A. and Chavadej, S. “Laundry Detergency of Solid Non-particulate Soil or Waxy Solids: Part I. Relation to Oily Soil Removal Above the Melting Point.” Journal of Surfactants and Detergents. 2017, 20(4), 815-830.
200. Attaphong, C. and Sabatini, D. “Optimized Microemulsion Systems for Detergency of Vegetable Oils at Low Surfactant Concentration and Bath Temperature.” Journal of Surfactants and Detergents. 2017, 20(4), 805-813.
199. Du, J., Sabatini, D. A. and Butler, E. C. “Evaluation of Aluminum Hydroxide-Amended Zeolites in Fluoride Removal: Column Filtration and Regeneration.” J. Environmental Engineering. 2017, 143(4), DOI: 10.1061/(ASCE)EE.1943-7870.0001114, 04016043, 1-9.
198. Yami, T. L., Chamberlain, J. F., Butler, E. C. and Sabatini, D. A. “Using a High-Capacity Chemically Activated Cow Bone to Remove Fluoride: Field Scale Column Tests and Laboratory Regeneration Studies.” J. Environmental Engineering. 2017, 143(2), DOI: 10.1061/(ASCE)EE.1943-7870.0001169, 04016092, 1-9.
197. Rongsayamanont, W., Soonglerdsongpha, S., Khondee, N., Pinyakong, O., Tongcumpou, C., Sabatini, D. and Luepromchai, E. “Formulation of Crude Oil Dispersants Base on the HLD Concept using a Lipeopeptide Biosurfactant.” Journal of Hazardous Materials. 2017, 334, 168-177.
196. Attaphong, C., Singh, V., Balakrishnan, A., Do, L. Arpornpong, N., Parthasarathy, R., Gollahalli, S. R., Khaodhiar, S. and Sabatini, D. “Phase Behaviors, Fuel Properties, and Combustion Characteristics of Alcohol-Vegetable Oil-Diesel Microemulsion Fuels.” International Journal of Green Energy. 2016, 13(9), 930-943.
195. Du, J., Sabatini, D. A. and Butler, E. C. “Preparation, Characterization, and Regeneration of Aluminum (Hydr)Oxide-Amended Molecular Sieves for Fluoride Removal from Drinking Water.” J. Environmental Engineering. 2016, 142(10), DOI: 10.1061/(ASCE)EE.1943-7870.0001114, 04016043, 1-8.
194. Hoggan, J. L., Sabatini, D. A., Kibbey, T. C. G. “Transport and Retention of TiO<sub>2</sub> and Polystyrene

- Nanoparticles During Drainage from Tall Heterogeneous Layered Columns.” Journal of Contaminant Hydrology. 2016, 194, 30-35.
193. Yami, T. L., Butler, E. C. and Sabatini, D. A. “Chemically Activated Cow Bone for Increased Fluoride Removal from Drinking Water.” Journal of Water, Sanitation and Hygiene for Development. 2016, 6(2), 215-223.
192. Brunson, L. R. and Sabatini, D. A. “Methods for Optimizing Activated Materials for Removing Fluoride from Drinking Water Sources.” J. Environmental Engineering. 2016, 142(2), DOI: 10.1061/(ASCE)EE.1943-7870.0001044, 04015078, 1-9.
191. Brunson, L. R. and Sabatini, D. A. “Role of Surface Area and Surface Chemistry during an Investigation of Eucalyptus Wood Char for Fluoride Adsorption from Drinking Water.” J. Environmental Engineering. 2015, 141(2), DOI:10.1061/(ASCE)EE.1943-7870.0000891, 04014060, 1-8.
190. Yami, T. L., Du, J., Brunson, L. R., Chamberlain, J. F., Sabatini, D. A. and Butler, E. C. “Life Cycle Assessment of Adsorbents for Fluoride Removal from Drinking Water in East Africa.” The International Journal of Life Cycle Assessment. 2015, 20, 1277-1286.
189. Itsadanont, S., Theptat, P., Scamehorn, J. F., Soontravanich, S., Sabatini, D. A., and Chavadej, S. “Dissolution of Soap Scum by Surfactant. Part III: Effect of Chelant Type on Equilibrium Solubility and Dissolution Rate of Calcium and Magnesium Soap Scums in Various Surfactant Systems.” Journal of Surfactants and Detergents. 2015, 18, 925-932.
188. Arpornpong, N., Sabatini, D.A., Khaodhiar, S. and Charoensaeng, A. “Life Cycle Assessment of Palm Oil Microemulsion-based Biofuel.” International Journal of Life Cycle Assessment. 2015, 20, 913-926.
187. Do, L. D., Attaphong, C., Scamehorn, J. F. and Sabatini, D. A. “Detergency of Vegetable Oils and Semi-Solid Fats using Microemulsion Mixtures of Anionic Extended Surfactants: The HLD Concept and Cold Water Applications.” Journal of Surfactants and Detergents. 2015, 18, 373-382.
186. Do, L. D., Stevens, T. L., Kibbey, T. C. G. and Sabatini, D. A. “Preliminary Formulation Development for Aqueous Surfactant-based Soybean Oil Extraction.” Industrial Crops and Products. 2014, 140-146.
185. Itsadanont, S., Ratanalert, D., Soontravanich, S., Sabatini, D. A., Scamehorn, J. F., and Chavadej, S. “Dissolution of Soap Scum by Surfactant. Part II: Effects of NaCl and Added Chelant on Equilibrium Solubility and Dissolution Rate of Calcium Soap Scum in Amphoteric Surfactant Solutions.” Journal of Surfactants and Detergents. 2014, 17, 859-864.
184. Itsadanont, S., Scamehorn, J. F., Soontravanich, S., Sabatini, D. A., and Chavadej, S. “Dissolution of Soap Scum by Surfactant Part I: Effects of Chelant and Type of Soap Scum.” Journal of Surfactants and Detergents. 2014, 17, 849-857.
183. Arpornpong, N., Attaphong, C., Charoensaeng, A., Sabatini, D. A. and Khaodhiar, S. “Ethanol-in-Palm Oil/Diesel Microemulsion-based Biofuel: Phase Behavior, Viscosity and Droplet Size.” Fuel. 2014, 132, 101-106.
182. Cope, C. O., Webster, D. S. and Sabatini, D. A. “Arsenate Adsorption onto Iron Oxide Amended Rice Husk Char.” Science of the Total Environment. 2014, 488-489, 554-561.
181. Brunson, L. R. and Sabatini, D. A. “Practical Considerations, Column Studies and Natural Organic Material Competition for Fluoride Removal with Bone Char and Aluminum Oxide Amended Materials in the Main Ethiopian Rift Valley.” Science of the Total Environment. 2014, 488-489,

- 580-587.
180. Chamberlain, J.C. and Sabatini, D. A. "Water Supply Options in Arsenic-affected Regions in Cambodia: Targeting the Bottom Income Quintiles." Science of the Total Environment. 2014, 488-489, 521-531.
179. Kibbey, T. C. G., Chen, L., Do, L. D. and Sabatini, D. A. "Predicting the Temperature-Dependent Viscosity of Vegetable Oil/Diesel Reverse Microemulsion Fuels." Fuel. 2014, 116, 432-437.
178. Du, J., Sabatini, D. A. and Butler, E. C. "Synthesis, Characterization and Evaluation of Simple Aluminum-based Adsorbents for Fluoride Removal from Drinking Water." Chemosphere. 2014, 101, 21-27.
177. Singtong, S., Tongcumpou, C. and Sabatini, D. A. "Effects of Ferrocene on the Solubilization of Alkanes in a Microemulsion System." Applied Environmental Research. 2013, 33(2), 57-69.
176. Attaphong, C. and Sabatini, D. A. "Phase Behaviors of Vegetable Oil-based Microemulsion Fuels: The Effects of Temperatures, Surfactants, Oils, and Water in Ethanol." Energy and Fuels. 2013, 27, 6773-6780.
175. Talawat, J., Sabatini, D. A. and Tongcumpou, C. "Behavior of DNAPL mixture of organometallic and chlorinated solvent in the presence of surfactants and alcohols as density modifying agents." J. Environmental Science and Health, Part A. 2013, 48(13), 1619-1627.
174. Brunson, L. R., Busenitz, L. W., Sabatini, D. A. and Spicer, P. "In Pursuit of Sustainable Water Solutions in Emerging Regions." Journal of Water, Sanitation and Hygiene for Development. 2013, 3(4), 489-499.
173. Arpornpong, N., Charoensaeng, A., Sabatini, D.A. and Khaodhiar, S. "Ethoxy Carboxylate Extended Surfactant: Surface Charge of Surfactant-modified Alumina, Adsolubilization and Solubilization of Phenylethanol and Styrene." Journal of Surfactants and Detergents. 2013, 16, 291-298.
172. Damrongsiri, S., Tongcumpou, C., Weschayanwiwat, P. and Sabatini, D. A. "Partition Behavior of Surfactants, Butanol, and Salt During Application of Density-modified Displacement of Dense Non Aqueous Phase Liquids." Journal of Hazardous Materials. 2013, 248-248, 261-267.
171. Panswad, D., Sabatini, D. A. and Khaodhiar, S. "Adsorption, Desorption and Adsolubilization Properties of the Mixed Anionic Extended Surfactants and a Cationic Surfactant." Journal of Surfactants and Detergents. 2012, 15, 787-795.
170. Rojvoranun, S., Chavadej, S., Scamehorn, J. F., and Sabatini, D. A. "Mechanistic Studies of Particulate Soil Detergency: II. Hydrophilic Soil Removal." Journal of Surfactants and Detergents. 2012, 15, 663-667.
169. Mathurasa, L., Tongcumpou, C., Sabatini, D. A. and Luepromchai, E. "Anionic Surfactant Enhanced Bacterial Degradation of Tributyltin in Soil." International Biodegradation and Biodeterioration. 2012, 75, 7-14.
168. Chen, L., Sabatini, D. A., Kibbey, T. C. G. "Transport and Retention of Fullerene (nC<sub>60</sub>) Nanoparticles in Unsaturated Porous Media: Effects of Solution Chemistry and Solid Phase Coating." Journal of Contaminant Hydrology. 2012, Vol. 138-139, 104-112.
167. Rojvoranun, S., Chavadej, S., Scamehorn, J. F., and Sabatini, D. A. "Mechanistic Studies of Particulate Soil Detergency: I. Hydrophobic Soil Removal." Journal of Surfactants and Detergents. 2012, 15, 277-289.

166. Werner, D., Karapanagioti, H. K., and Sabatini, D. A. "Assessing the Effect of Grain-scale Sorption Rate Limitations on the Fate of Hydrophobic Organic Groundwater Pollutants." Journal of Contaminant Hydrology. 2012, 129-130, 70-79.
165. Attaphong, C., Do, L., and Sabatini, D. A. "Vegetable Oil-based Microemulsions Using Carboxylate-based Extended Surfactants and Their Potential as an Alternative Renewable Biofuel." Fuel. 2012, 94, 606-613.
164. Do, L. D., Singh, V., Chen, L. Kibbey, T. C. G., Gollahalli, S. R. and Sabatini, D. "Algae, Canola or Palm Oils-Diesel Microemulsion Fuels: Phase Behaviors, Viscosity and Combustion Properties." International Journal of Green Energy. 2011, 8, 748-767.
163. McCray, J. E., Tick, G. R., Jawitz, J. W., Gierke, J. S., Brusseau, M. L., Falta, R. W., Knox, R. C., Sabatini, D. A., Annable, M. D., Harwell, J. H. and Wood, A. L. "Remediation of NAPL Source Zones: Lessons Learned from Field Studies at Hill and Dover AFB." Ground Water. 2011, 49(5), 727-744.
162. Panswad, D., Sabatini, D. A. and Khaodhiar, S. "Precipitation and Micellar Properties of the Novel Mixed Anionic Extended Surfactant and a Cationic Surfactant." Journal of Surfactants and Detergents. 14, 2011, 577-583.
161. Do, L. and Sabatini, D. A. "Pilot Scale Study of Vegetable Oil Extraction by Surfactant-Assisted Aqueous Extraction Process." Separation Science and Technology. 2011, 46(6), 978-985.
160. Kadioglu, S. I., Phan, T. T. and Sabatini, D. A. "Surfactant Based Oil Extraction of Corn Germ." Journal of American Oil Chemist Society. 2011, 88: 863-869.
159. Nguyen, T. T. and Sabatini, D. A. "Characterization and Emulsification Properties of Rhamnolipid and Sophorolipid Biosurfactants and Their Applications." International Journal of Molecular Science. 2011, 12, 1232-1244.
158. Chen, L., Sabatini, D. A., Kibbey, T. C. G. "Retention and Release of TiO<sub>2</sub> Nanoparticles in Unsaturated Porous Media During Dynamic Saturation Change." Journal of Contaminant Hydrology. 2010, 118, 199-207.
157. Soontravanich, S., Landram, G., Shobe, S., Waite, C., Scamehorn, J. F., Sabatini, D. A. and Scheuing, D. R. "Dissolution Study of Salt of Long Chain Fatty Acids (Soap Scum) in Surfactant Solutions. Part II: Kinetics of Dissolution." Journal of Surfactants and Detergents, 13, 2010, 373-379.
156. Soontravanich, S., Lopez, H., Scamehorn, J. F., Sabatini, D. A. and Scheuing, D. R. "Dissolution Study of Salt of Long Chain Fatty Acids (Soap Scum) in Surfactant Solutions. Part I: Equilibrium Dissolution." Journal of Surfactants and Detergents 13, 2010, 367 - 372.
155. Tanthakit, P., Ratchatawetchakul, P., Chavadej, S., Scamehorn, J. F., Sabatini, D. A., Tongcumpou, C. and Tongcumpou, C. "Palm Oil Removal from Fabric using Microemulsion-based Formulations." Journal of Surfactants and Detergents. 13, 2010, 485-495.
154. Do, L. and Sabatini, D. A. "Aqueous Extended-Surfactant Based Method for Vegetable Oil Extraction: Proof of Concept." Journal of American Oil Chemists' Society 2010, 87, 1211-2120.
153. Kibbey, T. C. G., Chen, L., Sabatini, D. A., Mills, M. A. and Nietch, C. "Model Stream Channel Testing of a UV-transparent Polymer-based Passive Sampler for Ultra-low-cost Water Screening Applications." Chemosphere. 2010, 80, 908-913.
152. Nguyen, T. T., Edelen, A., Neighbors, B. and Sabatini, D. A. "Biocompatible Lecithin-Based Microemulsions with Rhamnolipid and Sophorolipid Biosurfactants: Formulation and Potential

- Applications.” Journal of Colloid and Interface Science. 2010, 348, 498-504.
151. Damrongsiri, S., Tongcumpou, C., Weschayanwivat, P. and Sabatini, D. A. “Solubilization of Dibutyltin Dichloride with Surfactant Solutions in Single and Mixed Oil Systems.” Journal of Hazardous Materials. 2010, 181, 1109-1114.
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## PATENT ACTIVITY

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- Komavarakul, Sabatini et al., “Alcohol-Free Microemulsions for Cosmetic Applications.” 2005.
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  7. Kamath, S., Sabatini, D. A., and Canter, L. W. "Treatment of High Nitrogen (NaNO<sub>2</sub>) Wastewater by Biological Nitrification / Denitrification," in Proceedings 46th Annual Industrial Waste Conference Held at Purdue University, West Lafayette, Indiana, May 14-16, 1991.
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  4. Sabatini, D. A. and Canter, L. W. "Agricultural Chemicals in Ground Water." In Proceedings of the International Conference on Ground Water Resource Management. Held in Bangkok, Thailand, November 5-7, 1990. 279-289.
  3. Sabatini, D. A. and Austin, T. A. "Adsorption, Desorption and Transport of Pesticides in Groundwater: A Critical Review." In Irrigation and Drainage Division: Proceedings of the 1988 ASCE Specialty Conference Held in Cincinnati, OH, July 18-21, 1988. Edited by D. Hay, 571-579.
  2. Smith, J. W., Moore, L. W. and Sabatini, D. A. "Biological Treatment of Simulated Landfill Leachate Containing Chlordane." In Toxic and Hazardous Wastes: Proceedings of the 18th Mid-Atlantic Industrial Waste Conference Held in Blacksburg, VA, June 29 - July 1, 1986. Edited by G. Boardman, 157-169.
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CONFERENCE PRESENTATIONS / TALKS WITHOUT PROCEEDINGS (489):

489. Galuska, A., Li, C., Li, S., Carter, J., Harwell, J., Phaoddee, P., Grady, B., Sabatini, D. and Bang, S. "Advantages of Branched Alcohol Sulfates as 1,4 Dioxane Free Alternatives for Alcohol Ether Sulfate and/or Alcohol Ethoxylate in Cold Water Laundry." AOCs Annual Meeting & Expo (virtual). (May 7-12, 2021).
488. Sabatini, D. A. "Sustainable Water Solutions: The OU WaTER Center." World Water Day 22 March 2021, Workshop on Water, Wastewater and Environment: Technology, Traditions and Culture, Patras, Greece (virtual conference).
487. Sabatini, D. A. "Adsorption onto Natural/Amended Biochars: From Subsurface Contaminant Transport to Water Treatment in Developing Countries." Monash University, Melbourne, Australia. (October 24, 2019).
486. Nijhawan, A. and Sabatini, D. A. "Porous Hydroxyapatite Ceramics for Treatment of Fluoride Impacted Drinking Water." Water Quality, Quantity and Equity: Paths to Security, University of Oklahoma International WaTER Conference, Norman, OK (September 15-16, 2019).
485. Rainbolt, E., Nijhawan, A. and Sabatini, D. A. "Influencing Public Opinion on Water Reclamation Through an Educational Intervention." Water Quality, Quantity and Equity: Paths to Security, University of Oklahoma International WaTER Conference, Norman, OK (September 15-16, 2019).
484. Deal, P. and Sabatini, D. A. "The Impact of a Private Water Enterprise on Household Water Services in Rural Ghana." Water Quality, Quantity and Equity: Paths to Security, University of Oklahoma International WaTER Conference, Norman, OK (September 15-16, 2019).
483. Phaodhee, P. and Sabatini, D. A. "The Effect of Surfactant Systems, Alcohol Types and Salinity on Cold Water Detergency of Triglyceride Semisolid Soil." AOCs Annual Meeting & Expo, St. Louis, MO. (May 5-8, 2019).
482. Phaodhee, P. and Sabatini, D. A. "Correlation Between Hydrophilic-Lipophilic Deviation (HLD) and Detergency of Different Oily Soils." AOCs Annual Meeting & Expo, St. Louis, MO. (May 5-8, 2019).
481. Sabatini, D. A. "Surfactant-Based Environmental Technologies/Novel Adsorbents for Arsenic/Fluoride Mitigation." Chulalongkorn Seminar, Chulalongkorn University, Bangkok, Thailand. (December 7, 2018).
480. Sabatini, D. A. "The OU WaTER Center." OU Water Day, University of Oklahoma, Norman, OK. (November 16, 2018).
479. Sabatini, D. A. "Adsorption onto Natural/Amended Biochars: From Subsurface Contaminant Transport to Water Treatment in Developing Countries." Out of the Lab – Into the Field, International Alumni Workshop, Department of Geoscience, Eberhard Karls Universität Tuebingen, Tuebingen, Germany. (August 2-4, 2018).
478. Sabatini, D. A. "Cold Water Detergency of Vegetable Oils and Fats: Challenges and Progress." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of

- Oklahoma, Norman, OK. (June 3-8, 2018).
477. Scamehorn, J. and Sabatini, D. A. "Particulate Soil Removal in Laundry Detergency." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of Oklahoma, Norman, OK. (June 3-8, 2018).
  476. Scamehorn, J. and Sabatini, D. A. "Laundry Detergency of Solid Non-Particulate Soil or Waxy Solids." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of Oklahoma, Norman, OK. (June 3-8, 2018).
  475. Phaodhee, P. and Sabatini, D. A. "The Effect of Salinity, Surfactant Systems, and Alcohol Molecules on Cold Water Detergency of Triglyceride Semi-Solid Soils." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of Oklahoma, Norman, OK. (June 3-8, 2018).
  474. Charoensaeng, Ampira and Sabatini, D. A. "Palm Oil Based Microemulsion Biofuels using Alcohol Ethoxylate Surfactants: The Effect of Ethylene Oxide (EO) Groups." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of Oklahoma, Norman, OK. (June 3-8, 2018).
  473. Phaodhee, P. and Sabatini, D. A. "Phase Stability, Basic Fuel Properties, and Engine Performance of Palm Oil-Based Microemulsion Biofuels." 22<sup>nd</sup> International Symposium of Surfactants in Solution, University of Oklahoma, Norman, OK. (June 3-8, 2018).
  472. Sabatini, D. A. "Water and WaTER: OU, Oklahoma, Developing Countries and Ancient Rome." Rotary District 5770 District Conference, Ada, OK. (May 18, 2018).
  471. Phaodhee, P. and Sabatini, D. A. "The Effect of Surfactant and Additives on Cold Water Detergency of Semi-solid Soil." 109<sup>th</sup> AOCS Annual Meeting & Expo, Minneapolis, MN. (May 6-9, 2018).
  470. Sabatini, D. A., Scamehorn, J. F., Chanwattanakit, J. and Chavadej, S. "Laundry Detergency of Solid Non-particulate Soil or Waxy Solids: Effect of Surfactant Type." 109<sup>th</sup> AOCS Annual Meeting & Expo, Minneapolis, MN. (May 6-9, 2018).
  469. Deal, P. and Sabatini, D.A. "An Evaluation of Service Level and Sustainability for a Private Water Enterprise in Ghana." University of Development Studies Conference, Tamale, Ghana. (January 16-19, 2018).
  468. Sabatini, D. "Water, WaTER and Water in Ancient Rome." Norman,OK Lion's Club Meeting (Jan 16, 2018).
  467. Sabatini, D. "Oklahoma Water Centers – Presentations and Panel Discussion." Oklahoma Governor's Water Conference & Research Symposium, Norman, OK. (October 31- November 1, 2017).
  466. Sabatini, D. A. "Surfactant-Based Environmental Technologies/Novel Adsorbents for Arsenic/Fluoride Mitigation." Chulalongkorn Seminar, Chulalongkorn University, Bangkok, Thailand. (October 24, 2017).
  465. Sabatini, D. A. "Microemulsion Fundamentals and Applications." Sasol Chemical Company,

Lake Charles, LA. (September 20, 2017).

464. Deal, P., Pidduck, R., Sabatini, D., Busenitz, L. and Morgan, P. "New Venture Design in Developing Countries: An Institutional Profile Perspective." OU International WaTER Conference, Norman, OK. (September 18-20, 2017).
463. Nijhawan, A., Butler, E. C. and Sabatini, D. A. "Macroporous Hydroxyapatite Ceramic Beads for Fluoride Removal." OU International WaTER Conference, Norman, OK. (September 18-20, 2017).
462. Yami, T. L., Butler, E. C. and Sabatini, D. A. "High Capacity Chemically Activated Cow Bone Char and Monetite for Increased Fluoride Removal: Laboratory and Field Studies." OU International WaTER Conference, Norman, OK. (September 18-20, 2017).
461. Sabatini, D. A. "Water and WaTER: Developing Countries, Oklahoma and OU." University Jos, Jos, Nigeria. (July 11, 2017).
460. Nijhawan, A., Butler, E. C. and Sabatini, D. A. "Macroporous Hydroxyapatite Ceramic Beads for Fluoride Removal." AEESP Research and Education Conference, Ann Arbor, MI. (June 19-23, 2017).
459. Yami, T. L., Butler, E. C. and Sabatini, D. A. "High Capacity Chemically Activated Cow Bone Char and Monetite for Increased Fluoride Removal: Laboratory and Field Studies." AEESP Research and Education Conference, Ann Arbor, MI. (June 19-23, 2017).
458. Sabatini, D. A. "Water and WaTER: Developing Countries, Oklahoma and OU." Universitaet Tuebingen, Germany, May 29, 2017.
457. Sabatini, D. A. "Surfactant Mixtures: Synergism in Solubilization, Microemulsions and Detergency." 108<sup>th</sup> AOCS Annual Meeting & Expo, Orlando, FL. (April 30-May 3, 2017).
456. Sabatini, D. A., Scamehorn, J. F., Chanwattanakit, J. and Chavadej, S. "Laundry Detergency of Solid Non-particulate Soil or Waxy Solids: Relation to Oily Soil Removal Above the Melting Point." 108<sup>th</sup> AOCS Annual Meeting & Expo, Orlando, FL. (April 30-May 3, 2017).
455. Sabatini, D. A. "Surfactants at the Liquid-Liquid, Liquid-Air and Solid Liquid Interface." 108<sup>th</sup> AOCS Annual Meeting & Expo, Orlando, FL. (April 30-May 3, 2017).
454. Sabatini, D. A. "Surfactant-Based Environmental Technologies/Novel Adsorbents for Arsenic/Fluoride Mitigation." Chulalongkorn Seminar, Chulalongkorn University, Bangkok, Thailand. (December 15, 2016).
453. Brunson, L., Sabatini, D., Chamberlain, J. and Harris, J. "Participatory Engagement on Drinking Water of the Undeserved in Northern Uganda: How U.S. University Students Can Ethically Engage." Water & Health Conference 2016, UNC Water Institute, Chapel Hill, NC. (October 10-14, 2016).
452. Sabatini, D.A. "Groundwater Quality and Remediation: A Personal Journey and the Ada Lab." EPA Robert S. Kerr Environmental Research Center 50<sup>th</sup> Anniversary Event and

Technical Symposium, Ada, OK. (August 3, 2016).

451. Deal, P. and Sabatini, D.A. "Sustainable Rural Water Delivery Service in Ghana." WEDC 39<sup>th</sup> International Conference, University of Science and Technology (KNUST), Kumasi, Ghana. (July 11-15, 2016).
450. Sabatini, D.A., Butler, L., Du, Junyi and Yami, T.L. "Novel Adsorbents for Sustainable Fluoride Mitigation in Developing Countries: Laboratory, Field and Life Cycle Analysis Results." EWRI – World Environmental & Water Resources Congress, West Palm Beach, FL. (May 22-26, 2016).
449. Do, L.D., Attaphong, C., Scamehorn, J.F. and Sabatini, D.A. "Cold-water Detergency of Vegetable Oils and Semi-solid Fats Using Surfactant Mixtures: HLD Concept and Initial Probing of Mechanisms." 107<sup>th</sup> AOCS Annual Meeting & Expo, Salt Lake City, UT. (May 1-4, 2016).
448. Sabatini, D.A. "Surfactant-Based Environmental Technologies/Novel Adsorbents for Arsenic/Fluoride Mitigation." EPA Ada Lab Seminar (April 21, 2016).
447. Sabatini, D.A. "Surfactant-Based Environmental Technologies/Novel Adsorbents for Arsenic/Fluoride Mitigation." University of North Texas Seminar (February 23, 2016).
446. Sabatini, D.A. "Surfactant-based Environmental Technologies and Arsenic/Fluoride Mitigation in Developing Countries." Chulalongkorn University, Bangkok, Thailand. (December 12, 2015).
445. Nijhawan, A, Butler, E.C. and Sabatini, D. "Macroporous Ceramic Material for Fluoride Removal." 2015 University of Oklahoma International WaTER Conference, Norman, OK. (September 21-23, 2015).
444. Chamberlain, J.F. and Sabatini, D.A. Introducing! A new Minor in "Water and Sanitation for Health and Sustainable Development." 2015 University of Oklahoma International WaTER Conference, Norman, OK. (September 21-23, 2015).
443. Yami, T.L., Butler, E.C. and Sabatini, D.A. "Chemically Activated Cow Bone for Increased Fluoride Removal in the Context of Life Cycle Assessment of Fluoride Adsorbents." 2015 University of Oklahoma International WaTER Conference, Norman, OK. (September 21-23, 2015).
442. Du, J., Sabatini, D.A. and Butler, E.C. "Preparation, Characterization and Regeneration of Aluminum Hydroxide Amended Molecular Sieves for Fluoride Adsorption from Drinking Water." 2015 University of Oklahoma International WaTER Conference, Norman, OK. (September 21-23, 2015).
441. Sabatini, D.A. "In Country Capacity Building: Thailand and Ethiopia." Panel: Learning, Teaching and Research in the Developing World. AEESP Research and Education Conference. Yale University, New Haven, CT. (June 15, 2015).
440. Nijhawan, A, Butler, E. and Sabatini, D. "Modified porous ceramics: a low-cost water treatment technology for fluorosis mitigation in developing countries." AEESP Research

- and Education Conference. Yale University, New Haven, CT. (June 15, 2015).
439. Yami, T.L., Du, J., Butler, E.C. and Sabatini, D.A. "Water-Health-Technology Nexus: Chemically Activated Cow Bone for Increased Fluoride Removal in the Context of Life Cycle Assessment of Fluoride Adsorbents." AEEESP Research and Education Conference. Yale University, New Haven, CT. (June 15, 2015).
438. Du, J., Yami, T.L., Sabatini, D.A. and Butler, E.C. "Nexus of water, health and technology: Addressing Fluorosis problems by developing efficient and sustainable aluminum hydroxide amended molecular sieves to remove fluoride from drinking water." AEEESP Research and Education Conference. Yale University, New Haven, CT. (June 15, 2015).
437. Sabatini, D.A. "Surfactant-based Environmental Technologies and Arsenic/Fluoride Mitigation in Developing Countries." Peking University, Beijing, China. (June 11, 2015).
436. Sabatini, D.A. "Novel Adsorbents for Arsenic and Fluoride Treatment in Developing Countries." Tsinghua University, China. (June 9, 2015).
435. Attaphong, C., Scamehorn, J.F. and Sabatini, D. "Optimized Microemulsion Systems with Low Surfactant and Salt Concentration for Detergency of Vegetable Oils at Low Bath Temperature." 106<sup>th</sup> AOCS Annual Meeting. Orlando, FL. (May 3-6, 2015).
434. Sabatini, D.A. "Surfactant-based Environmental Technologies and Arsenic/Fluoride Mitigation in Developing Countries." Chulalongkorn University, Bangkok, Thailand. (December 12, 2014).
433. Sabatini, D. "Oklahomans Solving Global Water Crises." Oklahoma Governor's Water Conference & Research Symposium, Oklahoma City, OK, October 22, 2014.
432. Chamberlain, J. and Sabatini, D. "Life-Cycle Cost Analysis and Affordability of Fluoride Mitigation Alternatives in Ethiopia." 2014 Water & Health Conference, Where Science Meets Policy, UNC Water Institute, Chapel Hill, NC, October 13-17, 2014.
431. Junyi, D., Yami, T., Butler, E. and Sabatini, D. "Development of low-cost and effective sorbents for drinking-water fluoride mitigation in developing regions in the Rift Valley of Ethiopia." 2014 Water & Health Conference, Where Science Meets Policy, UNC Water Institute, Chapel Hill, NC, October 13-17, 2014.
430. Yami, T., Junyi, D., Butler, E., Brunson, L., Chamberlain, J. and Sabatini, D. "Life Cycle Assessment of Adsorbents for Fluoride Removal from Drinking Water in East Africa." 2014 Water & Health Conference, Where Science Meets Policy, UNC Water Institute, Chapel Hill, NC, October 13-17, 2014.
429. Do, L., Stevens, T., Kibbey, T. and Sabatini, D. "An Investigation on Mechanisms of Soybean Oil Extraction by Aqueous Surfactant Mixtures." 105<sup>th</sup> AOCS Annual Meeting and Expo, San Antonio, TX, May 4-7, 2014.
428. Rongsayamanont, W., Soonglerdsongpha, S., Pinkyakong, O., Tongcumpou, C., Sabatini, D.A. and Luepromchai, E. "Formulation of Lipopeptide Biosurfactant Mixtures for Dispersing Oil Spill in Seawater." 105<sup>th</sup> AOCS Annual Meeting and Expo, San Antonio, TX, May 4-7, 2014.

427. Attaphong, C. and Sabatini, D. "Vegetable Oil-based Microemulsion Biofuels Using Renewable Alcohols and Surfactants." 105<sup>th</sup> AOCS Annual Meeting and Expo, San Antonio, TX, May 4-7, 2014.
426. Panswad, D. Khaodhiar, S. and Sabatini, D. "Solubilization of Mixed Anionic Extended Surfactants and a Cationic Surfactant." 105<sup>th</sup> AOCS Annual Meeting and Expo, San Antonio, TX, May 4-7, 2014.
425. Lemma, T., Rogers, R. and Sabatini, D. "WaTER – Fluoride in Ethiopia and Water Quality in El Salvador." OU AISES American Indian Science & Engineering Society, Norman, April 4, 2014.
424. Lemma, T., Rogers, R. and Sabatini, D. "WaTER – Fluoride in Ethiopia and Water Quality in El Salvador." OU SWE HS Girls Day, Norman, March 28, 2014.
423. Lemma, T., Rogers, R. and Sabatini, D. "WaTER – Fluoride in Ethiopia and Water Quality in El Salvador." Sooner Mosaic, Norman, March 1, 2014.
422. Sabatini, D.A. "Surfactant-based Environmental Technologies and Arsenic/Fluoride Mitigation in Developing Countries." Chulalongkorn University, Bangkok, Thailand." (November 8, 2013).
421. Chamberlain, J.R. and Sabatini, D.A. "Water Supply Options in Arsenic-Affected Regions of Cambodia: Targeting the Bottom Billion." Water and Health Conference – Where Science Meets Policy, University of North Carolina, Chapel Hill, NC. (October 14-18, 2013).
420. Du, J., Sabatini, D.A. and Butler, E.C. "Synthesis, Characterization and Evaluation of Simple Aluminum-Based Adsorbents for Fluoride Removal from Drinking Water." 2013 University of Oklahoma International WaTER Conference, Norman, OK. (September 22-25, 2013).
419. Yami, T.L., Du, J., Brunson, L.R., Chamberlain, J.F., Butler, E.C. and Sabatini, D.A. "The Life Cycle Assessment of Materials for Fluoride Removal from Drinking Water in Developing Regions." 2013 University of Oklahoma International WaTER Conference, Norman, OK. (September 22-25, 2013).
418. Sabatini, D.A. "Arsenic and Fluoride Mitigation – The U.S. Experience." 2013 University of Oklahoma International WaTER Conference, Norman, OK. (September 22-25, 2013).
417. Brunson, L.R. and Sabatini, D.A. "Optimizing Filtration Materials for Fluoride Removal from Drinking Water." 2013 University of Oklahoma International WaTER Conference, Norman, OK. (September 22-25, 2013).
416. Sabatini, D.A. "Capacity Building: Collaborative Graduate Program with Chulalongkorn University, Bangkok, Thailand." 2013 University of Oklahoma International WaTER Conference, Norman, OK. (September 22-25, 2013).
415. Sabatini, D.A. "Novel Adsorbents: Arsenic and Fluoride Mitigation." University of Illinois,

Champaign-Urbana, IL. (September 5, 2013).

414. Chamberlain, J.F., Hong, Y., Kolar, R. and Sabatini, D.A. "Incorporating WASH into the Curriculum – The University of Oklahoma WaTER Center." Environmental Engineers and Scientists of 2050: Education, Research and Practice (AEESP) Conference, Golden, CO. (July 14-16, 2013).
413. Attaphong, C. and Sabatini, D.A. "Vegetable Oil-Based Reverse Micelle Microemulsion Biofuel Using Biodegradable Surfactants." Environmental and Hazardous Substance Management towards a Green Economy (EHSM) International Conference, Bangkok, Thailand. (May 21-23, 2013).
412. Sabatini, D.A. "Special Lecture VI: Surfactant-Microemulsion-based Environmental Technologies: From Subsurface Remediation to Oilseed Extraction to Biodiesel." Environmental and Hazardous Substance Management towards a Green Economy (EHSM) International Conference, Bangkok, Thailand. (May 21-23, 2013).
411. Luepromchai, Ekawan and Sabatini, D.A. "Biosurfactant Production from Glycerol Waste and Its Applications for Enhancing Solubilization, Dispersion and Emulsification of Petroleum." Environmental and Hazardous Substance Management towards a Green Economy (EHSM) International Conference, Bangkok, Thailand. (May 21-23, 2013).
410. Arpornpong, N. and Sabatini, D.A. "Greenhouse Gas Emission in the Production of Microemulsion-based Biofuel." Environmental and Hazardous Substance Management towards a Green Economy (EHSM) International Conference, Bangkok, Thailand. (May 21-23, 2013).
409. Chanwattanakit, J., Chavadej, S., Scamehorn, J. and Sabatini, D.A. "Monoglyceride Removal from Fabrics under Microemulsion-based Formulation." 104th AOCS Annual Meeting & Expo, Montreal, Quebec, Canada. (April 28-May 1, 2013).
408. Do, L.D., Sabatini and Scamehorn, J. "Synergistic Combination of Extended-surfactants and Biorenewable Surfactants for Cold Temperature Detergency of Vegetable Oils and Fats." 104th AOCS Annual Meeting & Expo, Montreal, Quebec, Canada. (April 28-May 1, 2013).
407. Arpornpong, N., Charoensaeng, A., Sabatini, D.A., Khaodhiar, S. "Palm Oil Microemulsion-based Biofuel: Environmental Impact." 104th AOCS Annual Meeting & Expo, Montreal, Quebec, Canada. (April 28-May 1, 2013).
406. Attaphong, C., Do, L. and Sabatini, D.A. "Solubilization Capacity and Emission Characteristics of Vegetable Oil-based Microemulsion Biofuel." 104th AOCS Annual Meeting & Expo, Montreal, Quebec, Canada. (April 28-May 1, 2013).
405. Do, L.D. and Sabatini, D.A. "Developing Sustainable Oilseed Extraction Using Extended-Surfactants." 104th AOCS Annual Meeting & Expo, Montreal, Quebec, Canada. (April 28-May 1, 2013).
404. Sabatini, D.A. "Water Quality in the Rift Valley, Ethiopia." Water and Climate Change in Africa, Duke University, Durham, N.C. (March 22-23, 2013).

403. Sabatini, D.A. "Fluoride and Arsenic Removal Technologies." *Water and Climate Change in Africa*, Duke University, Durham, N.C. (March 22-23, 2013).
402. Sabatini, D.A., Chamberlain, J., Brunson, L.R., and Lemma, Teshome. "Arsenic & Fluoride Mitigation: The US Experience." *GeoGen 2013, International Conference*, Addis Ababa, Ethiopia. (February 5-7, 2013).
401. Brunson, L.R. and Sabatini, D.A. "Optimizing Fluoride Removal Materials for Drinking Water in Ethiopia." *GeoGen 2013, International Conference*, Addis Ababa, Ethiopia. (February 5-7, 2013).
400. Chamberlain, J. and Sabatini, D.A. "Alternative Water Sources in Regions of Geogenic Contamination; Impact Evaluation and the Challenge of Optimization." *GeoGen 2013, International Conference*, Addis Ababa, Ethiopia. (February 5-7, 2013).
399. Chamberlain, J., Cope, C. and Sabatini, D.A. "Iron Oxide Amended Rice Husk Char – A Novel, Low Cost Arsenic Filter Media for Cambodian Drinking Water." *Water and Health: Where Science Meets Policy Conference*, Chapel Hill, NC. (October 30-November 1, 2012).
398. Brunson, L. and Sabatini, D.A. "Methods to Optimize Bone and Wood Chars for Fluoride Removal from Drinking Water." *Water and Health: Where Science Meets Policy Conference*, Chapel Hill, NC. (October 30-November 1, 2012).
397. Sabatini, D.A. "Sustainable WaTER for Developing Countries." *National Environmental Engineering Research Institute (CSIR), Nehru Marg, Nagpur, India.* (October 12, 2012).
396. Sabatini, D.A. "Contamination in Drinking Water." *National Environmental Engineering Research Institute (CSIR), Nehru Marg, Nagpur, India.* (October 11, 2012).
395. Sabatini, D.A. "Water Treatment for Developing Countries." *National Environmental Engineering Research Institute (CSIR), Nehru Marg, Nagpur, India.* (October 11, 2012).
394. Sabatini, D.A. "Water Treatment Options." *National Environmental Engineering Research Institute (CSIR), Nehru Marg, Nagpur, India.* (October 8, 2012).
393. Sabatini, D.A. "Clean Water: Sustainable Options." *National Environmental Engineering Research Institute (CSIR), Nehru Marg, Nagpur, India.* (October 8, 2012).
392. Sabatini, D.A. "Novel Adsorbents for Arsenic & Fluoride Mitigation in Developing Countries." *University College London.* (October 4, 2012).
391. Sabatini, D.A. "Geogenic Contamination in drinking-water-what is it and what can be done?" *World Health Organization, Geneva, Switzerland.* (August 24, 2012).
390. Sabatini, D.A. "Novel Adsorbents for Arsenic & Fluoride Mitigation in Developing Countries/Surfactant Based Environmental Technologies: From Subsurface Remediation to Biofuel Applications." *Swiss Federal Research Institute (EAWAG), Zurich, Switzerland.* (August 21, 2012).
389. Sabatini, D.A. "Surfactant-based Environmental Technologies." *Chulalongkorn University,*

Bangkok, Thailand. (June 29, 2012).

388. Chanwattanakit, J., Scamehorn, J.F., Sabatini, D.A. and Chavadej, S. "Solid Oily Soil Removal from Fabrics by Using Extended Surfactants." 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
387. Itsadanont, S., Scamehorn, J.F. and Sabatini, D.A. "Dissolution of Calcium and Magnesium Soap Scums by Surfactant in the Presence of Chelant." 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
386. Do, L. and Sabatini, D.A. "Bio-compatible Low Salinity Triglyceride Microemulsions and Detergency". 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
385. Panswad, D., Sabatini, D.A. and Khaodhiar, S. "Adsorption and Admicellar Properties of Mixed Anionic Extended Surfactants and a Cationic Surfactant". 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
384. Attaphong, C., Do, L. and Sabatini, D.A. "Optimizing the Formulation of Vegetable Oil Reverse-Micelle-Microemulsion Biofuel at Low Temperature Using Mixed Surfactant Systems." 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
383. Arpornpong, N., Sabatini, D.A. and Khaodhiar, S. "Alternative Biofuel from Palm Oil-Diesel Based Reverse Micelle Microemulsion." 103<sup>rd</sup> AOCS Annual Meeting & Expo, Long Beach, CA. (April 29-May 2, 2012).
382. Sabatini, D.A. "Sustainable WaTER for Developing Countries." Akzo Nobel, New York, NY. (March 23, 2012).
381. Sabatini, D.A. "Arsenic/Fluoride Mitigation in Developing Countries." 2012 Infopoverty World Conference. United National Headquarters, New York. (March 22-23, 2012).
380. Cope, C. and Sabatini, D.A. "Sustainable Application of Bayoxide E33 Iron-based Arsenic Adsorbent for Cambodian Drinking Water." OU International WaTER Conference. Norman, OK (October 24-25. 2011).
379. Webster, D., Cope, C. and Sabatini, D.A. "Investigating Ferric Hydroxide Coated Rice Husk Char as an Arsenic Removal Technology for Developing Countries." OU International WaTER Conference. Norman, OK (October 24-25. 2011).
378. Brunson, L.R., Sabatini, D.A. and Spicer, P.G. "A Discussion of Why Rural Water Projects Fail and Methods for Improving Success Rates". OU International WaTER Conference. Norman, OK (October 24-25. 2011).
377. Brunson, L.R., Sabatini, D.A. and Spicer, P.G. "Community Studies of Fluoride Removal From Drinking Water in Ethiopia". OU International WaTER Conference. Norman, OK (October 24-25. 2011).
376. Brunson, L.R. and Sabatini, D.A. "A Study of Novel Materials for Fluoride removal from Drinking Water in Ethiopia". Water and Health 2011 Conference. Chapel Hill, NC

(October 3-7, 2011).

375. Sabatini, D.A. and Brunson, L.R. "A Study of Aluminum Coated Wood and Animal Bone Chars for Household Defluoridation." 2011 AEESP Education and Research Conference. Tampa, FL (July 10-12, 2011).
374. Sabatini, D.A. "Surfactant-based Biofuels and Water Treatment for Arsenic and Fluoride Removal in Developing Countries." Chulalongkorn University, Bangkok, Thailand, June 17, 2011.
373. Itsadanont, S., Scamehorn, J.F., Chavadej, S. and Sabatini, D.A. "Dissolution of Soap Scum by Surfactant in the Presence of Chelant". 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH, May 1-4, 2011.
372. Sabatini, D.A., Scamehorn, J.F. and Khaodhiar, S. "Anionic and Cationic Surfactant Mixtures: Admicellar Modified Surfaces and Microemulsion Formation." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
371. Rojvoranun, S., Chavadej, S., Scamehorn, J.F. and Sabatini, D.A. "The Relationship between Mechanism of Hydrophilic and Hydrophobic Particle Removal in Laundry Detergency." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
370. Panswad, D., Sabatini, D.A. and Khaodhiar, S. "Novel Anionic Extended Surfactant and Cationic Surfactant Mixtures for Maximizing Synergism (Solubilization and Adsolubilization) and Minimizing Precipitation." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
369. Attaphong, C., Do, L. and Sabatini, D.A. "Vegetable Oil Reverse Micelle Microemulsion as an Alternative Renewable Biofuel Using Extended Surfactant." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
368. Arpornpong, N., Lewlomphaisan, J., Charoensaeng, A, Sabatini, D.A. and Khaodhiar, S. "Admicelle Formation and Adsolubilization using Ethoxy Carboxylate Extended Surfactants." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
367. Sabatini, D.A., Harwell, J.H., Shiao, B.J. and Knox, R.C. "Advanced Microemulsion Systems for Subsurface Remediation: Laboratory and Field Results." 102<sup>nd</sup> AOCS Annual Meeting & Expo. Cincinnati, OH (May 1-4, 2011).
366. Brunson, L.A. and Sabatini, D.A. "A Study of Aluminum Coated Wood and Animal Bone Chars for Household Defluoridation." 2011 World Environmental Federation Disinfection Conference. Cincinnati, OH (April 22-12, 2011).
365. Sabatini, D.A. "Developing Sustainable Water Treatment Technologies for Fluoride and Arsenic Mitigation in Developing Countries." Engineering Sustainability 2011, Pittsburg, PA (April 10-12, 2011).
364. Sabatini, D.A. "OU WaTER Center: In Pursuit of Sustainable Water Technologies for Remote Areas of Developing Countries." Oklahoma State University Seminar, Stillwater, OK (March 31, 2011).

363. Sabatini, D.A. "OU WaTER Center: In Pursuit of Sustainable Water Technologies for Remote Areas of Developing Countries." University of Oklahoma, Industrial Engineering Seminar, Norman, OK (March 11, 2011).
362. Brunson, L.R. and Sabatini, D.A. "Innovative and Sustainable Technologies for Treatment of Drinking Water with Elevated Fluoride Concentrations." Water 2011: International Conference on Sustainable Water Resource Management and Treatment Technologies. Nagpur, India (January 19-21, 2011).
361. Brunson, L. and Sabatini, D.A. "Innovative Aluminum-Based Technologies for Household Treatment of Fluoridated Drinking Water." Water and Health: Where Science Meets Policy, University of North Carolina, Chapel Hill, NC (October 25-26, 2010).
360. Cope, C., Webster, D. and Sabatini, D.A. "Arsenic Removal from Drinking Water Using Iron-Based Adsorbents for Developed and Developing Countries." Water and Health: Where Science Meets Policy, University of North Carolina, Chapel Hill, NC (October 25-26, 2010).
359. Sabatini, D.A., Hong, Y. and Akanda, A. "Floodwater and Health: Assessing the Spatiotemporal Distribution of Global Floods and Linkage to Public Health Risks in a Changing Climate." Water and Health: Where Science Meets Policy, University of North Carolina, Chapel Hill, NC. (October 25-26, 2010).
358. Sabatini, D.A. and Brunson, L. "OU WaTER Center: Health, Education, Development and Peace." Society of American Military Engineers, Norman, OK. (September 23, 2010).
357. Sabatini, D.A. and Brunson, L. "OU WaTER Center: Health, Education, Development and Peace." University of Addis Ababa, Addis, Ababa, Ethiopia. (July 19, 2010).
356. Sabatini, D.A. and Brunson, L. "OU WaTER Center: Health, Education, Development and Peace." OU Green Week, Norman, OK. (April 19, 2010).
355. Sabatini, D.A. and Brunson, L. "OU WaTER Center: Health, Education, Development and Peace." Lions Club, Norman, OK. (April 19, 2010).
354. Pengjun, W., Chavadej, S., Rojvoranun, S., Scamehorn, J.F. and Sabatini, D.A. "Hydrophobic Particulate Soil Removal in Laundry Detergency." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
353. Do, L.D., Singh, V., Gollahalli, S.R. and Sabatini, D.A. "Microemulsion Fuels: Phase Behaviors and Combustion Properties." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
352. Nguyen, T. and Sabatini, D.A. "Lecithin-Based Ciocompatible Microemulsions Using Sophorolipid and Rhamnolipid Biosurfactants." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
351. Rojvoranun, S., Chavadej, S., Scamehorn, J.F. and Sabatini, D.A. "Particulate Soil Detergency: Performance and mechanism of Hydrophilic Soil Removal." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).

350. Attaphong, C., Phan, T. and Sabatini, D.A. "Vegetable Oil Detergency: Removal of Highly Unsaturated Triglycerides Using Optimized Microemulsion System at Low Surfactant Concentration and Bath Temperature." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
349. Arpornpong, N., Lewlomphaisan, J., Charoensaeng, A., Sabatini, D.A. and Khaodhiar, S. "Adsolubilization and Solubilization using Carboxylate-based Extended Surfactants." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
348. Islamoglu Kadioglu, S., Do., L. and Sabatini, D.A. "Laboratory-based Small Pilot Scale Surfactant Microemulsion Based Oil Seed Extraction." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
347. Sabatini, D.A., Do, L.D. and Phan, T.T. "Microemulsions with Extended-surfactants: Characterization and Applications." 101<sup>st</sup> AOCS Annual Meeting & Expo. Phoenix, AZ (May 16-19, 2010).
346. Mathurasa, L., Tongcumpou, C., Sabatini, David D.A. and Luepromchai, E. "Desorption Behavior of Toxic Tributyltin from Sandy Clay Loam Soil in Presence of Sodium Dihexylsulfosuccinate." 239<sup>th</sup> American Chemical Society National Meeting & Exposition. San Francisco, CA (March 21-25, 2010).
345. Damrongsiri, S., Tongcumpou, C., Weschayanwiwat, P. and Sabatini, D.A. "Solubilization of Organotin Compounds in Surfactant Solutions in Single and Mixed Oils." 239<sup>th</sup> American Chemical Society National Meeting & Exposition. San Francisco, CA (March 21-25, 2010).
344. Cope, Chris and Sabatini, David A. "Arsenic Treatment Options in Drinking Water: Case Studies from Outside Oklahoma." Options for Controlling Concentrations of Arsenic and Uranium in Public-Drinking Water Supplies. NWC – Norman, OK (March 20, 2010).
343. Mach, Mary Elizabeth and Sabatini, David A. "Pilot Study and Path Forward for Arsenic Treatment at the Well-Head for the City of Norman." Options for Controlling Concentrations of Arsenic and Uranium in Public-Drinking Water Supplies. NWC – Norman, OK (March 20, 2010).
342. Sabatini, David A. "Water-treatment Options for Arsenic Removal in Drinking Water." Options for Controlling Concentrations of Arsenic and Uranium in Public-Drinking Water Supplies. NWC – Norman, OK (March 20, 2010).
341. Lewlomphaisan, J., Charoensaeng, A., Arpornpong, N., Panswad, D., Sabatini, D.A. and Khaodhiar. "Solubilization and Adsolubilization of Phenylethanol Using Anionic Extended Carboxylate Surfactants on Aluminum Oxide Surface." International Conference on Green and Sustainable Innovation. Chiang Rai, Thailand (December 2-4, 2009).
340. Kopke, K., Bain, L., Braden, L., Moen, T.J., Sabatini, D.A. and Brunson, L.R. "Bottom-Up Development: Local Entrepreneurship at the Heart of Economic Growth." OU International WaTER Conference. Norman, OK (October 26-27, 2009).
339. Bush, S., Martin, L., Moore, N., Whitelaw, T., Sabatini, D.A. and Brunson, L.R. "Sustainable

- Water Treatment and Reuse Technology.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
338. Hitchcock, S.M., Sheno, D.P., Jones, P.J., Sundaramoofthy, A.S., Sabatini, D.A. and Brunson, L.R. “Culturally Sensitive Implementation of Water and Sanitation Projects.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
337. Jenkinson, P., Peirano, C., Stofa, V., Brunson, L.R. and Sabatini, D.A. “Rural Villages in Developing Countries vs. Rural Communities in the US.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
336. Everest, P., Krause, E., Quintana, T., Salisbury, M., Brunson, L.R. and Sabatini, D.A. “Water Sources in the Face of Climate Change: Ethiopia.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
335. Cope, C., Brunson, L.R., Sabatini, D.A., Alvarado, R. and Barcum, R. “Laying the Groundwork for Large-Scale Sustainable Safe Water Implementation in the Brazilian Amazon.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
334. Brunson, L.R. and Sabatini, D.A., “Fish Bone Char as a Sustainable Technology for Fluoride Removal from Drinking Water in Developing Areas.” OU International WaTER Conference. Norman, OK (October 26-27, 2009).
333. Sabatini, D.A. “Surfactant-based Environmental Technologies/Sustainable Water Treatment for Remote Villages.” Iowa State University, Ames, IA (July 31, 2009).
332. Sabatini, D.A., Khaodhiar, S., Rachakornkij, M. and Tongcumpou, C. “Collaborative Graduate Program with Chulalongkorn University, Bangkok, Thailand.” 2009 AEESP Conference: Grand Challenges in Environmental Engineering and Science. Iowa City, IA (July 26-28, 2009).
331. Brunson, Laura R. and Sabatini, D.A. “Bone Char as a Sustainable Technology for Water Improvement in Developing Areas.” 2009 AEESP Conference: Grand Challenges in Environmental Engineering and Science. Iowa City, IA (July 26-28, 2009).
330. Sabatini, D.A. “Surfactant-based Environmental Technologies.” Chulalongkorn University, Bangkok, Thailand (June 26, 2009).
329. Brunson, Laura R. and Sabatini, D.A. “Sustainable Use and Implementation of Bone Char as a Technology for Arsenic and Fluoride Removal.” 34<sup>th</sup> WEDC International Conference. United Nations Conference Centre, Addis Ababa, Ethiopia (May 18-22, 2009).
328. Islamoglu, S., Sabatini, D.A. and Phan, T. “Surfactant Microemulsion Based Oil Extraction from Corn Germ.” 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).
327. Nguyen, T., Do, L., and Sabatini, D.A. “Vegetable Oil Extraction Using Reverse Micellar Microemulsions of Diesel for Biodiesel Application.” 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).

326. Do, L., Nguyen, T. and Sabatini, D. "W/O Microemulsions of Vegetable Oils as a Biodiesel Alternative." 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).
325. Asnachinda, E., Sabatini, D., O'Haver, J. and Khaodhiar, S. "Adsorption, Adsolubilization and Corresponding AFM Studies for Polymerizable Gemini Surfactant." 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).
324. Attaphong, C., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. and Sabatini, D.A. "Admicellar Formation and Adsolubilization of Anionic Extended Surfactants onto Aluminum Oxide." 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).
323. Phan, T., Harwell, J. and Sabatini, D.A. "Microemulsion-based Detergency: Cost-effective and Environmentally-friendly Formulations Optimized for High-unsaturated-content Vegetable Oils." 100<sup>th</sup> AOCS Annual Meeting & Expo. Rosen Shingle Creek, Orlando, FL (May 3-6, 2009).
322. Brunson, Laura R. and Sabatini, D.A. "Sustainable Technologies and an Implementation Strategy for Arsenic and Fluoride Removal in Developing Areas." WEF Disinfection 2009 Conference. Omni Hotel at CNN Center, Atlanta, GA (March 1-2, 2009).
321. Do, L., Nguyen, T., Islamoglu, S. and Sabatini, D.A. "Microemulsion-based Oilseed Extraction and Biofuels," Oklahoma Biofuels Conference. Skirvin Hotel, Oklahoma City, OK (November 12-13, 2008).
320. Sabatini, D.A. "Surfactant-based Environmental Technologies." Chulalongkorn University, Bangkok, Thailand (June 30, 2008).
319. Do, L., Nguyen, T. and Sabatini, D.A. "Reduction of Viscosity and Low Temperature Property of Microemulsions Fuel Using Extended-Surfactants as an Alternative Diesel." 99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
318. Nguyen, T., Do, L. and Sabatini, D.A. "Using Biosurfactant Mixtures to Form Microemulsions: Enhanced Solubilization and Potential Applications." 99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
317. Witthayapanyanon, A., Phan, T., Harwell, J.H. and Sabatini, D.A. "Microemulsion Properties and Cleaning Efficiency of Extended Surfactant-based Mixtures." 99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
316. Asnachinda, E., Khaodhiar, S. and Sabatini, D.A. "Effect of Ionic Head Group on Admicelle Formation of Polimerizable Surfactant." 99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
315. Phan, T. and Sabatini, D.A. "Microemulsion-based Detergency for Vegetable Oils: Low Energy and Water Consumption." 99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
314. Attaphong, C., Khaodhiar, S. and Sabatini, D.A. "Effects of Polymerization on Admicellar

- Formation and Adsolubilization using Polymerizable Surfactants.”  
99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
313. Charoensaeng, A., Khaodhiar, S. and Sabatini, D.A. “Impact of Organic Solute Properties on Adsolubilization in Linker and Extended Surfactant Modified Alumina.”  
99<sup>th</sup> AOCS Annual Meeting & Expo. Seattle, WA (May 18-21, 2008).
312. Brunson, L.R., Cope, C.O. and Sabatini, D.A. “Sustainable Technologies and an Implementation Strategy for Arsenic and Fluoride Removal in Developing Areas.”  
2008 National Ground Water Association Summit. Memphis, TN, March 31, - April 2, 2008.
311. Sabatini, D.A. “Advanced Microemulsion Systems: From Subsurface Remediation to Oil Seed Extraction for Biodiesel.” Oklahoma State University, Stillwater, OK, Feb. 13, 2008.
310. Sabatini, D.A. “Advanced Microemulsion Systems: From Subsurface Remediation to Oil Seed Extraction for Biodiesel.” Lectures at the Leading Edge, Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, Canada (December 5, 2007).
309. Brunson, L., Mlilo, T.B. and Sabatini, D.A. “Sustainable Technologies for Arsenic and Fluoride Removal and a Business Model for Implementing Them in Developing Areas.”  
2007 Annual Water Resources Conference, Albuquerque, NM (November 12-15, 2007).
308. Nguyen, T. and Sabatini, D.A. “Biosurfactans for Oil-Seed Extraction.” Oklahoma Biofuels Conference, Sheraton Hotel, Oklahoma City, OK (October 16-17, 2007).
307. Do, L., Nguyen, T., Harwell, J.H. and Sabatini, D.A. “Microemulsion based Oilseed Extraction for Biodiesel Production.” Oklahoma Biofuels Conference, Sheraton Hotel, Oklahoma City, OK (October 16-17, 2007).
306. Sabatini, D., Do, L., Phan, T. and Nguyen, T. “Oil-Seed Extraction using Surfactant-based Aqueous Microemulsions.” AEESP Interactions at the Interface – Making the Connections Between Environments, Disciplines and Nations, Blacksburg, VA (July 28-August 1, 2007).
305. Mlilo, T., Sabatini, D. and Brunson, L. “Business Model for Implementing Sustainable Water Solutions in Developing Areas.” AEESP Interactions at the Interface – Making the Connections Between Environments, Disciplines and Nations, Blacksburg, VA (July 28-August 1, 2007).
304. Mlilo, T., Brunson, L., Braumert, Rajbhandari, S. and Sabatini, D. “Simple Water Treatment Technologies: Arsenic and Fluoride Removal Using Low-Cost Materials.” AEESP Interactions at the Interface – Making the Connections Between Environments, Disciplines and Nations, Blacksburg, VA (July 28-August 1, 2007).
303. Sabatini, D.A. “Appropriate Technologies for Developing Countries: The OU WaTER Center/Arsenic and Fluoride Removal Using Simple Media.” USEPA Laboratory, Ada, OK (July 24, 2007).
302. Sabatini, D.A. “Surfactant Based Environmental Technologies.” Chulalongkorn University,

Bangkok, Thailand (June 15, 2007).

301. Soontravanich, S., Shobe, S., Landrum, G., Waite, C., Scamehorn, J., Sabatini, D. and Sheuing, D. "Dissolution Kinetics of Soap Scum: A Wettability Study." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
300. Lohateeraparp, P., Scamehorn, J.F. and Sabatini, D. "A Comparison between Experimental Monomer-Micelle Equilibrium Composition Results and Regular Solution Theory Predictions for Ionic/Nonionic Surfactant Mixtures." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
299. Tanthakit, P., Chavadej, S., Scamehorn, J.F., Sabatini, D.A. and Tongcumpou, C. "Palm Oil Removal from Fabric using Mixed Surfactants under Microemulsion Conditions." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
298. Do., L. and Sabatini, D. "Development and Applications of Environmental Friendly Vegetable Oil Microemulsions." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
297. Charoensaeng, A., Khaodhiar, S and Sabatini, D. "Adsolubilization of Polar and Nonpolar Organic Solutes into Extended Surfactant Admicelles on Aluminum Oxide Surface." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
296. Do, L., Nguyen, T. and Sabatini, D. "Application of Extended-Surfactants in Triglyceride Microemulsions and Vegetable Oil Extraction: A Pilot Scale Study." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
295. Witthayapanyanon, A., Harwell, J.H. and Sabatini, D. "Robust Microemulsion Sstems Using Extended Surfactants." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
294. Phan, T.T., Harwell, J.H. and Sabatini, D. "A Systematic Study of Triglyceride Molecular Structure Effects on Microemulsion Formation." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
293. Do., L. and Sabatini, D. "Development and Applications of Environmental Friendly Vegetable Oil Microemulsions." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007).
292. Sabatini, D.A., Do., L., Nguyen, T. and Phan, T. "Oil Extraction from Seeds using Surfactant-Based Aqueous Microemulsions." 98<sup>th</sup> AOCS Annual Meeting & Expo, Quebec City, QC, Canada (May 13-16, 2007) .
291. Brunson, L., Mlilo, T.B. and Sabatini, D.A. "Business Model for Implementing Sustainable Water Solutions in Developing Areas." 2007 NGWA Ground Water Summit, Albuquerque, New Mexico (April 29-May 3, 2007).
290. Mlilo, T.B., Brunson, L., Sabatini, D.A., Baumert, C.M. and Rajbhandari, S. "Simple Water Treatment Technologies: Arsenic and Fluoride Removal Using Low-Cost Materials." 2007 NGWA Ground Water Summit, Albuquerque, New Mexico (April 29-May 3, 2007).

289. Sabatini, D.A. "Arsenic Removal from Drinking Water: PEUF for Urban and IOCS for Remote Applications. Kunming University of Science and Technology." March 23, 2007.
288. Shiau, B.J., Harwell, J.H., Knox, R.C., O'Kelley, M. and Sabatini, D.A. "Surfactant-Enhanced Aquifer Remediation: Recent Advances." 2006 NGWA Ground Water Expo, Las Vegas, Nevada (December 5-8, 2006).
287. Sabatini, D.A. "Intro to Civil Engineering : Design Early and Design Often." Engineering and Mathematics Workshop, University of Johannesburg, Johannesburg, South Africa (November 20, 2006).
286. Sabatini, D.A. "Microemulsion-Based Environmental and Consumer Product Technologies." Kao Company, Tokyo, Japan, (September 7, 2006).
285. Sabatini, D.A. "Microemulsion-Based Environmental and Consumer Product Technologies." Shisheido Company, Tokyo, Japan, (September 6, 2006).
284. Sabatini, D.A. "Advanced Surfactant Microemulsions: Technology Development/ Application". The 59<sup>th</sup> Divisional Meeting on Colloid and Surface Chemistry, the Chemical Society of Japan, Hokkaido University, Sapporo, Japan (September 13-15, 2006)
283. Sabatini, D.A. "Advanced Surfactant Microemulsions: Technology Development / Application". The 45<sup>th</sup> Annual Meeting of the Japanese Oil Chemists' Society", Tokyo University of Science, Tokyo, Japan, (September 8-10, 2006)
282. Sabatini, D.A. "Microemulsion-Based Environmental Technologies". Chulalongkorn University, Bangkok, Thailand.
281. Phan, T. and Sabatini, D.A. "Surfactant Membrane Rigidity and Kinetics of Winsor Type III Microemulsion Formation by Extended Surfactants and Hydrophilic/Lipophilic Linker Systems". 2006 Colloid and Surface Science Symposium, Boulder, CO (June 18-21, 2006)
280. Do, L., Witthayapanyanon, A., Harwell, J.H. and Sabatini, D.A. "Self-Assembling of Linker-based Microemulsions". 2006 Colloid and Surface Science Symposium, Boulder, CO (June 18-21, 2006)
279. Shiau, B.J., O'Kelley, M., Jones, T., Knox, R.C., Sabatini, D.A. and Harwell, J.H. "Recent Advances in Surfactant-Enhanced Aquifer Remediation: The Golden, OK Case Study". Remediation of Chlorinated and Recalcitrant Compounds 5<sup>th</sup> International Conference, Monterey, CA (May 22-25, 2006)
278. Lohateeraparp, P., Scamehorn, J.F. and Sabatini, D.A. "Measurement of Monomer-Micelle Equilibrium for Ionic and Nonionic Surfactant Mixtures Using Semi-Equilibrium Dialysis: A Comparison between Experimental Results and Regular Solution Theory". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006)
277. Charoensaeng, A., Khaodhiar, S. and Sabatini, D.A. "Adsorption and Adsolubilization of Linker Molecules and Extended Surfactants onto Aluminum Oxide Surfaces". 97<sup>th</sup> AOCS

Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006)

276. Soontravanich, S., Scamehorn, J.F., Harwell, J.H. and Sabatini, D.A. "Precipitation of a Mixture of an Anionic and an Amphoteric Surfactant: Experimental Phase Boundaries and Theoretical Predictions". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006)
275. Soontravanich, S., Scamehorn, J.F., Harwell, J.H. and Sabatini, D.A. "Monomer-Micelle Equilibrium Compositions in an Anionic/Amphoteric Surfactant Mixture". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006)
274. Do, L.D., Wittayapanyanon, A., Harwell, J.H., Sabatini, D.A. and Acosta, E. "Aqueous Surfactant-Based Technology for Edible Oil Extraction". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006)
273. Acosta, E., Yuan, Sh., Harwell, J.H. and Sabatini, D.A. "Formulation of Lecithin-Based Non-Toxic Microemulsions for Drug Delivery Applications". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006).
272. Nguyen, T., Youssef, N., McInerney, M. and Sabatini, D.A. "Biosurfactant Production and Their Application in Enhanced Petrocarbon Remediation". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006).
271. Wittayapanyanon, A., Do, L., Acosta, E., Harwell, J.H. and Sabatini, D.A. "Aqueous-Based Microemulsions as an Alternative to Solvent Replacements". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006).
270. Phan,, T., Acosta, E. and Sabatini, D.A. "Surfactant Membrane Rigidity and Kinetics of Winsor Type III Microemulsion Formation by Extended Surfactants and Hydrophilic/Lipophilic Linker Systems". 97<sup>th</sup> AOCS Annual Meeting & Expo, St. Louis, MO (April 30-May 3, 2006).
269. Mlilo, T.B., Rajbhandari, S. and Sabatini, D.A. "Simple Arsenic Water Treatment Technologies: Sorption onto Iron Oxide Surfaces". 2006 Ground Water Summit, San Antonio, TX (April, 2006).
268. Sabatini, D.A. "Shiau, B.J., O'Kelley, M., Jones, T., Knox, R.C., Sabatini, D.A. and Harwell, J.H., "Recent Advances in Surfactant-Enhanced Aquifer Remediation: The Golden, OK Case Study". 18<sup>th</sup> Annual National Tanks Conference and Expo, Memphis, TN (March 20-22, 2006).
267. Nguyen, T., Youssef, N., McInerney, M. and Sabatini, D. A. "Biosurfactant Production and their Application in Enhanced Petroleum Hydrocarbon Remediation." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
266. Lorphensri, O., Sabatini, D. A., Kibbey, T. C., Osathaphan, K. and Saiwan, C. "Sorption of Acetaminophen, Nalidixic Acid, Norfloxacin and 17a-Ethynyl Estradiol to Aquifer Materials." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.

265. Poopa, W., Weschayanwivat, P. and Sabatini, D. A. "Effect of Hydrophobicity of Amphiphile Molecule on Adsorption Behavior onto Various Adsorbents and its Interface Characteristics." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
264. Pabute, S., Tongcumpou, C. and Sabatini, D. A. "Enhanced Oil Removal by Using the Surfactant Gradient Approach." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
263. Fuangswasdi, A., Krajangpan, S., Sabatini, D. A., Acosta, E. J., Osathaphan, K. and Tongcumpou, C. "Utilization of Mixed Anionic/Cationic Surfactants for Styrene and Ethylcyclohexane Solubilization/Entrapment in Contaminated Subsurface Remediation Technologies." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
262. Sabatini, D. A., Knox, R. C., Harwell, J. H. and Shiau, B. "Advances in Surfactant Enhanced Aquifer Remediation: Coupling of Laboratory/Field Studies and Economic Consideration." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
261. Malakul, P., Sriplad, T. and Sabatini, D. A. "Simultaneous Removal of Heavy Metal and Organic Contaminants by Mixed Cationic-Anionic Surfactant Modified Zeolite (SMZ)." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
260. Charoensaeng, A., Khoadhiar, S. and Sabatini, D. A. "Adsorption of Linker Molecular and Extended and Surfactants onto Aluminum Oxide Surface." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
259. Gallo, D., Acosta, E., Scamehorn, J. F. and Sabatini, D. A. "Pilot Scale Study of Polyelectrolyte Enhanced Ultrafiltration for Arsenic Removal." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
258. Witthayapananon, A., Do, L., Acosta, E., Harwell, J. H. and Sabatini, D. A. "Extended-Surfactant Based Technology for Edible Oil Extraction." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
257. Witthayapananon, A., Do, L., Acosta, E., Harwell, J. H. and Sabatini, D. A. "Microemulsion-Enhanced Oil Removal for Solvent Replacement." International Conference Hazardous Waste Management for a Sustainable Future, Bangkok, Thailand, January 10 – 12, 2006.
256. Sabatini, D. A. "Arsenic Removal Using PEUF for Urban and IOCS for Rural Applications." Suranaree University, Korat, Thailand, January 6, 2006.
255. Sabatini, D. A. "Advanced Microemulsions for Organics and PEUF for Arsenic Treatment." University Aegean, Mytilene, Lesvos, Greece, October 26, 2005.
254. Sabatini, D. A. "Arsenic Removal Using PEUF for Urban and IOCS for Rural Applications."

University of Tuebingen, Tuebingen, Germany, October 12, 2005. .

253. Sabatini, D. A. “Innovative Arsenic Removal Technologies: Large or Small Communities.” Southwest Section AWWA Annual Conference, Oklahoma City, OK., October 2 – 4, 2005.
252. Sabatini, D. A., Fuangwasdi, A., Charoensaeng, A., Scamehorn, J. F., Acosta, E. J., Osathaphan, K. and Khaodhiar, S. “Self Assembly of Anionic-Cationic Surfactant Mixtures of Alumina: Adsorption Capacity and Adsolubilization Potential.” Yale University, New Haven, CT., September 14, 2005.
251. Sabatini, D. A. “Advanced Microemulsion Systems for Innovative Environmental Technologies.” Johns Hopkins University, Baltimore, MD., September 9, 2005.
250. Sabatini, D. A. “Arsenic Removal Using PEUF for Urban and IOCS for Rural Applications.” Johns Hopkins University, Baltimore, MD., September 7, 2005.
249. Sabatini, D. A., Fuangwasdi, A., Charoensaeng, A., Scamehorn, J. F., Acosta, E. J., Osathaphan, K. and Khaodhiar, S. “Self Assembly of Anionic-Cationic Surfactant Mixtures of Alumina: Adsorption Capacity and Adsolubilization Potential.” 230<sup>th</sup> ACS National Meeting, Washington, D.C., August 28 – September 1, 2005.
248. Sabatini, D. A. “Advanced Microemulsion Systems for Innovative Environmental Technologies.” University of Virginia, Charlottesville, Virginia, August 25, 2005.
247. Sabatini, D. A. “Advanced Microemulsion Systems for Environmental Technologies.” University of Quangxi, Nanning, Quangxi, China, July 12, 2005.
246. Sabatini, D. A. “Advanced Microemulsion Systems for Environmental Technologies.” Chulalongkorn University, Bangkok, Thailand, July 8, 2005.
245. Acosta, E., Sabatini, D. and Yuan, S. “Intrinsic Curvature of Surfactants: A Novel Method to Characterize and Formulate Surfactant Mixtures.” 96<sup>th</sup> Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
244. Soontravanich, S., Lopez, H. E., Scamehorn, J. F., Sabatini, D. and Scheuing, D. R. “Dissolution of Soap Scum with Surfactants and Chelating Agents.” 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
243. Upadhyaya, A., Acosta, E., Scamehorn, J. and Sabatini, D. A. “Synergism of Anionic and Cationic Surfactant Mixtures: Adsorption, Precipitation and Phase Behavior Studies.” 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
242. Fuangwasdi, A., Sabatini, D. A., Scamehorn, J., Acosta, E. and Osathaphan, K. “Effect of Admicellar Properties on Adsolubilization.” 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
241. Acosta, E. J., Neumann, A., Sabatini, D. A. and Mesbah, A. “Surface Tension and Wetting of Mixtures of Anionic and Cationic Surfactant Systems.” 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.

240. Witthayapananon, A., Do, L., Phan, T., Harwell, J. H. and Sabatini, D. A. "Microemulsion Formation with Triglyceride Oils." 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
239. Sabatini, D. A. and Scamehorn, J. "Measuring Monomer-Micelle Equilibrium by Using Semi-Equilibrium Dialysis: A Comparison Between Experimental Results and Regular Solution Theory." 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
238. Komesvarakul, N., Sanders, M., Sabatini, D. A., Scamehorn, J., Szekeres, E., Acosta, E., Faller, J., Fisher, L., Mentlik, T. and Nicoll, G. "Microemulsification of Triglyceride-Based Oil: The Effect of Type of Co-Oil and Salinity on Phase Diagram." 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
237. Witthayapananon, A., Do, L., Acosta, E. J., Harwell, J. H. and Sabatini, D. A. "Surfactant-Based Microemulsions for Solvent Replacement." 96<sup>th</sup> AOCS Annual Meeting, Salt Lake City, UT., May 1 – 4, 2005.
236. Sabatini, D. A. "Linker Molecules and Extended Surfactants in Microemulsification of Triglyceride Oils." Unilever Chemical Company, Vlaardingen, The Netherlands, April 8, 2005.
235. Sabatini, D. A. "Expanding the Formulation Space for Mixtures of Anionic and Cationic Surfactants: Precipitation, Adsorption and Microemulsion Formation." Unilever Chemical Company, Vlaardingen, The Netherlands, April 8, 2005.
234. Sabatini, D. A. "Polyelectrolyte Enhanced Ultrafiltration for Arsenic Removal." The University of Delft, Delft, The Netherlands, April 5, 2005.
233. Witthayapananon, A., Phan, T., Acosta, E. J., Harwell, J. H. and Sabatini, D. A. "Self Assembly of Linker-based Microemulsions." 229<sup>th</sup> ACS National Meeting, San Diego, CA., March 13 – 17, 2005.
232. Witthayapananon, A., Do, L., Acosta, E. J., Harwell, J. H. and Sabatini, D. A. "Advanced Microemulsion for Solvent Replacement." 229<sup>th</sup> ACS National Meeting, San Diego, CA., March 13 – 17, 2005.
231. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." National Cheng-Kung University, Tainan, Taiwan, March 2, 2005.
230. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." Taiwan EPA, Taipei Taiwan, March 2, 2005.
229. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." TSMC, Kaohsiung, Taiwan, March 1, 2005.
228. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." GPPC, Kaohsiung, Taiwan, March 1, 2005.
227. Sabatini, D. A., Knox, R. C., Harwell, J. H. and Shiau, B. J. "Advances in Surfactant Enhanced Aquifer Remediation: Coupling of Laboratory/Field Studies and Economic Considerations." 228<sup>th</sup> ACS National Meeting, Philadelphia, PA., August 22 – 26, 2004.

226. Sabatini, D. A., Gallo, H. D., Acosta, E. and Scamehorn, J. F. "Removal of Arsenic from Drinking Water Using Polyelectrolyte-Enhanced Ultrafiltration (PEUF)." 228<sup>th</sup> ACS National Meeting, Philadelphia, PA., August 22 – 26, 2004.
225. Lorphensri, O., Intravichit, J., Sabatini, D. A., Kibbey, T. C. G., Osathaphan, K. and Saiwan, C. "Sorption and Transport of Acetaminophen, Nalidixic Acid and 17-Alpha-Ethinylestradiol to Silica, Alumina and a Hydrophobic Medium." 228<sup>th</sup> ACS National Meeting, Philadelphia, PA., August 22 – 26, 2004.
224. Hari, A. C., Hisey, D. M., Paruchuri, R. A., Sabatini, D. A. and Kibbey, T. C. G. "Effects of pH and Amphiphilic Chemicals on the Adsorption and Transport of Quinolone Antibiotics." 228<sup>th</sup> ACS National Meeting, Philadelphia, PA., August 22 – 26, 2004.
223. Sabatini, D. A. "Recent Advances in Microemulsion-Based Technologies." Chulalongkorn University, Bangkok, Thailand, July 2, 2004.
222. Sabatini, D. A. "Recent Advances in Microemulsion-Based Technologies." University of the Andes, Merida, Venezuela, June 2, 2004.
221. Sabatini, D. A. "Surfactant-Enhanced Subsurface Remediation: Evolution of a Technology." University of the Andes, Merida, Venezuela, June 2, 2004.
220. Acosta, E., Sabatini, D. A. and Harwell, J. H. "Lecithin-Based Non-Toxic Microemulsions for Food and Drug Delivery Applications." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
219. Acosta, E., Sabatini, D., Harwell, J. and Szekeres, E. "Use of the Net-Average Curvature Model for Predicting Microemulsion Properties in Cleaning Formulations." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
218. Upadhyaya, A., Acosta, E., Scamehorn, E. and Sabatini, D. "Synergistic Effects of Anionic and Cationic Surfactant Mixtures: Effect of Tail Branching." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
217. Witthayapanyanon, A., Yanatatsaneejit, U., Scamehorn, J., Sabatini, D., and Chavadej, S. "Light Oil Removal from Wastewater by Middle Phase Microemulsion and Froth Flotation." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
216. Szekeres, E., Acosta, E., Sabatini, D. and Harwell, J. H. "How to Predict Enhanced-Solubilization in Linker-Modified Limonene Microemulsions." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
215. Fuangswasdi, A., Charoensaeng, A., Acosta, E., Khaodhiar, S., Osathaphan, K., Scamehorn, J. and Sabatini, D. "Synergism of Cationic and Anionic Surfactant Mixtures with Asymmetric Head Groups." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
214. Lohateeraparp, P., Sabatini, D. and Scamehorn, J. "Use of Semi-Equilibrium Dialysis Technique to Measure Monomer-Micelle Equilibrium." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.

213. McDaniel, M., Acosta, E., McInerney and Sabatini, D. A. "Screening Studies of Biosurfactants for Applications in Environmental Remediation." 95<sup>th</sup> AOCS Annual Meeting and Expo, Cincinnati, OH., May 9 – 12, 2004.
212. Szekeres, E., Acosta, E. J., Sabatini, D. A. and Harwell, J. H. "Modeling Solubilization of Mixtures of Polar and Non-Polar Oils in Anionic Microemulsions." 227<sup>th</sup> ACS National Meeting, Anaheim, CA., March 28 – April 1, 2004.
211. Acosta, E. J., Nguyen, T., Harwell, J. H. and Sabatini, D. A. "Non-Toxic Microemulsion Systems as Drug Delivery Vehicles." 227<sup>th</sup> ACS National Meeting, Anaheim, CA., March 28 – April 1, 2004.
210. Sabatini, D. A., Witthayapanyanon, Acosta, E. J. and Harwell, J. H. "Formulation and Characterization of Nanostructured Microemulsions as Solvent Replacement Systems." 227<sup>th</sup> ACS National Meeting, Anaheim, CA., March 28 – April 1, 2004.
209. Acosta, E. J., Szekeres, E., Harwell, J. H., Grady, B. P. and Sabatini, D. A. "Microemulsion Morphology Predictions with the Net-Average Curvature Model Versus Small-Angle Neutron Scattering Measurements." 227<sup>th</sup> ACS National Meeting, Anaheim, CA., March 28 – April 1, 2004.
208. Sabatini, D. A. and Shiau, B. J. "Remediation Technologies: Old and New: -- A Case Study." 16<sup>th</sup> Annual UST/LUST National Conference, New Orleans, LA., March 1-3, 2004
207. Sabatini, D. A. Remediation Technologies: Old and New – A Case Study." Universitaat Tuebingen, Germany, Dec 17, 2003.
206. Sabatini, D. A. and Shiau, B. J. "In Situ Surfactant Flushing and Site Remediation." USEPA Corrective Action Information Exchange. Oklahoma City, OK, Dec 9-11, 2003.
205. Acosta, E. J., Sabatini, D. A., Gallo, H., Haller, K. Pookrod, P. and Scamehorn, J. "Removal of Arsenic Anions from Water using Polyelectrolyte-Enhanced Ultrafiltration." Fifth International Membrane Science and Technology Conference. Sydney, Australia, Nov. 10-14, 2003.
204. Acosta, E.J., Szekeres, E., Sabatini, D.A. and Harwell, J. H. "Predicting Microemulsion Properties with Net-Average Curvature Model." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
203. Acosta, E.J., Sabatini, D.A. and Harwell, J.H. "Linker-based Non-Toxic Microemulsions." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
202. Sabatini, D.A., Acosta, E.J., Scamehorn, J.F., Upadhyaya, A. and Doan, T. "Mixtures of Anionic and Cationic Surfactants in Environmental and Household Cleaning." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
201. Gallo, H.D., Acosta, E.J., Scamehorn, J.F. and Sabatini, D.A. "Pilot Scale Study of Polymer Enhanced Ultrafiltration Process for the Removal of Arsenic from Ground Water." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.

200. Hari, A.C., Sabatini, D.A. and Kibbey, T.C.G. "Adsorption James, G. "Variability in Phenanthrene Sorption for Charcoal Samples." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
199. Karapanagiotic, H.K., Sabatini, D.A. and James, G. "Variability in Phenanthrene Sorption for Charcoal Samples." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
198. Sabatini, D.A., Acosta, E.J. and Harwell, J.H. "Surfactant-based Synthetic Adsorbents of Polar Molecules." 226<sup>th</sup> ACS National Meeting, New York City, NY., Sept. 7-11, 2003.
197. Shiau, B.J., Brammer, J.M., Sabatini, D.A., Harwell, J.H., and Knox, R.C., "Recent Development of Low Concentration Surfactant Flushing for NAPL-Impacted Site Remediation and Pollution Prevention." 2003 Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Organic Chemicals in Ground Water: Prevention, Assessment and Remediation Conference and Exposition., Costa Mesa, CA., August 19-22, 2003.
196. Acosta, E., Sabatini, D. and Harwell, J. "Net-Average Curvature Model for Microemulsions." The 77<sup>th</sup> Colloid & Surface Science Symposium. Atlanta, GA., June, 2003.
195. Acosta, E., Sabatini, D. and Harwell, J. "Self Assembly Linker Molecules in Microemulsions." The 77<sup>th</sup> Colloid & Surface Science Symposium. Atlanta, GA., June, 2003.
194. Sabatini, D.A. "Surfactant Enhanced Aquifer Remediation. From Concept to Implementation." Chulalongkorn University, June 6, 2003.
193. Szekeres, E., Acosta, E., Sabatini, D. and Harwell, J. "Selective Solubilization of Dodecanol in Microemulsions of Water/Diethyl Sulfosuccinate/Dodecanol-Limonene Binary Oil Mixture Systems: Surface Excess and Solubilization Enhancement." The 94<sup>th</sup> AOCS Annual Meeting & Expo., Kansas City, MO., May 4-7, 2003.
192. Acosta, E., Scamehoren, J., Harwell, J. and Sabatini, D. "Molecular Design of Microemulsions." The 94<sup>th</sup> AOCS Annual Meeting & Expo., Kansas City, MO., May 4-7, 2003.
191. Tongcumpou, C., Acosta, E.J., Quencer, L.B., Joseph, A.F., Scamehoren, J.F., Sabatini, D.A., Chavadej, S., and Yanumet, N. "Oily Soil Detergency Related to Microemulsion Formation of Surfactant Mixtures." The 94<sup>th</sup> AOCS Annual Meeting & Expo., Kansas City, MO., May 4-7, 2003.
190. Yanatatsaneejit, U., Witthayapanyanon, A., Chavadej, S., Acosta, E., Scamehoren, J., and Sabatini, D. "Effect of Middle-Phase Microemulsion Formation on Ethylbenzene Removal Using the Froth Flotation Technique." The 94<sup>th</sup> AOCS Annual Meeting & Expo., Kansas City, MO., May 4-7, 2003.
189. Upadhyaya, A., Doan, T., Acosta, E., Scamehoren, J. and Sabatini, D. "Formation of Alcohol-Free Anionic-Cationic Micro-emulsions." The 94<sup>th</sup> AOCS Annual Meeting & Expo., Kansas City, MO., May 4-7, 2003.
188. Shiau, B.J., Brammer, J.M., Sabatini, D.A., Harwell, J.H., and Knox, R. C. "Use of Integrated

- Low Concentration Surfactant Flushing and Chemical Oxidation for DNAPL-Impacted Site Remediation and Pollution Prevention.” Tomorrow’s Solutions Today. The 5<sup>th</sup> Environmental Technology Symposium & Workshop, Charlotte, NC., March, 2003.
187. Harwell, J.H., Acosta, E.J. and Sabatini, D.A. “Reproducing Microemulsion Phase Behavior with the Net-Average Curvature Model.” Colloid & Surface Chemistry 225<sup>th</sup> ACS National Meeting, New Orleans, LA., March 23-27, 2003.
186. Sabatini, D.A. “Surfactant Enhanced Aquifer Remediation. From Concept to Implementation.” University of Arkansas, March 11, 2003.
185. Sabatini, D.A. “Surfactant Enhanced Aquifer Remediation. From Concept to Implementation.” University of Delft, Feb. 20, 2003.
184. Sabatini, D. A. “Advanced Microemulsion Systems for Environmental Remediation and Protection.” University of Tuebingen, Germany, Dec. 17, 2002.
183. Sabatini, D. A. “Fundamental of Surfactant/Cosolvent Flushing.” EPA NAPL Remediation Seminar, Chicago, IL, Dec. 10-12, 2002.
182. Acosta, E. J., Szekeres, E., Sabatini, D. A., Harwell, J. H. “Modeling Microemulsion Solubilization and Interfacial Tension: The Net-average Curvature Model.” American Institute of Chemical Engineers, November 2002.
181. Sabatini, D. A. “Surfactant Enhanced Aquifer Remediation.” John Hopkins University, Baltimore, MD, Nov. 5, 2002.
180. Sabatini, D. A. and Kolar, R. L. “Sooner City – Design Across the Curriculum.” ASCE National Meeting. Washington, D. C., Nov. 4-8, 2002.
179. Sabatini, D. A. “Surfactant Enhanced Aquifer Remediation.” University of New Mexico, Albuquerque, NM, October 25, 2002.
178. Sabatini, D. A., Acosta, E., Childs, J. and Scamehorn, J. F. “Surfactant Enhanced Ex-Situ Washing of Oil-Impacted Soils and Drill Cuttings.” IPEC Conference, Albuquerque, NM, October 22-25, 2002.
177. Sabatini, D. A. “Surfactant Enhanced Aquifer Remediation.” New Mexico Tech, Socorro, NM, October 23, 2002.
176. Acosta, E. J., Harwell, J. H. and Sabatini, D. A. “Combined Linker Effect: A Novel Type of Self-Assembly in Microemulsions.” 224<sup>th</sup> ACS National Meeting and Exposition, Boston, MA, August 18-22, 2002.
175. Karapanagioti, H., James, J., Sabatini, D., Kalaitzidis, S. and Christanis, K. “Impact of Charcoal Sorptive and Petrographical Properties on Phenanthrene Sorption onto Soils and Sediments.” 6<sup>th</sup> International Environmental Protection Conference, Skiathos, Greece, July 17-19, 2002.
174. Sabatini, D. A. “Advanced Microemulsion Systems for Environmental Remediation and Protection.” Chulalongkorn University, Bangkok, Thailand, July 12, 2002.

173. Acosta, E. J., Sabatini, D. A., and Harwell, J. H. "Advanced Microemulsions Systems Using Hydrophilic and Lipophilic Linkers." 14<sup>th</sup> Surfactants In Solution Symposium, June 9-14, 2002.
172. Sabatini, D. A., Harwell, J.H., Knox, R. C., Childs, J. and Shiao, B. "Surfactant Enhanced Soil Remediation: From Concept to Application." 14<sup>th</sup> Surfactants In Solution Symposium, Barcelona, Spain, June 9-14, 2002.
171. Sabatini, D. A. "Surfactant-Enhanced Aquifer Remediation." University of Einhoven, Holland, June 6, 2002.
170. Shiao, B. J., Hasegawa, M. A., Sabatini, D. A., Knox, R. C., Harwell, J., Childs, J., Annable, M., Brooks, M., Rao, S., and Wood, L. "Field Demonstration of Surfactant-Enhanced Subsurface Remediation at Dover AFB." Third Internationnal Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, California, May 20-23, 2002.
169. Tongcumpou, E., Acosta, E., Sabatini, D. A., Scamehorn, J. F. Quencer, L. B., Chavadej, S. and Yanumet, N. "Using Surfactant Mixture for Microemulsions Formation Related to Oily Soil Detergency." 93rd AOCS Annual Meeting and Expo, Montreal, Quebec, Canada, May 5-8, 2002.
168. Childs, J. D., Acosta, E., Sabatini, D. A. and Scamehorn, J. F. "Surfactant Phase Behavior with Hydrophobic Oils: From Drill Cuttings to Detergency." 93rd AOCS Annual Meeting and Expo, Montreal, Quebec, Canada, May 5-8, 2002.
167. Sabatini, D. A., Acosta, E. J., Uchiyama, H., Harwell, J. H. and Scamehorn, J. F. "Equilibrium and Kinetics of Microemulsion-Based Detergency: The Role of Linker Molecules." 93rd AOCS Annual Meeting and Expo, Montreal, Quebec, Canada, May 5-8, 2002.
166. Lohateeraparp, P., Crookham, H., Nunn, C. C., Sabatini, D. A. and Scamehorn, J. F. "A New Technique for Measuring Monomer-Micelle Equilibrium." 93rd AOCS Annual Meeting and Expo, Montreal, Quebec, Canada, May 5-8, 2002.
165. Sabatini, D. A. "Surfactant-Enhanced Environmental Remediation." Akzo Nobel Chemical Company, Arnhem, Holland, March 1, 2002.
164. Sabatini, D.A. "Surfactant-Enhanced Environmental Remediation." University of Wageningen, Holland, Feb. 28, 2002.
163. Sabatini, D. A. "Surfactant-Enhanced Environmental Remediation." Universitaet Tuebingen, Tuebingen, Germany, Dec. 12, 2001.
162. Sabatini, D. A., Childs, J. D., Acosta, E., Scamehorn, J. "Surfactant-Enhanced Treatment of Oil-Based Drill Cuttings and Oil-Contaminated Soils." 8th International Petroleum Environmental Conference, Houston, TX, Nov. 6-9, 2001.
161. Sabatini, D. A. "Surfactant-Enhanced Environmental Remediation." Foundation of Research and Technology, Patras, Greece, Sep. 7, 2001.

160. Kolar, R. L. and Sabatini, D. A. "Wireless Laptops in the Classrooms – Do They Make a Difference?" 2001 American Society for Engineering Education Conference, Albuquerque, NM, Jun. 24-27, 2001.
159. Acosta, E. J., Sabatini, D. A., Uchiyama, H. and Harwell, J. H. "Optimizing Microemulsion Formulation for a Wide Range of Oils Using Linker Molecules." 92<sup>nd</sup> AOCS Annual Meeting and Expo, Minneapolis, MN, May 13-16, 2001.
158. Shiau, B. J., Hasegawa, M. A., Brammer, J. M., Goodspeed, M., Carter, T., Harwell, J. H., Sabatini, D. A., Knox, R. C. and Childs, J. D. "Field Demonstration of Surfactant-Enhanced DNAPL Remediation – Case Studies." 221<sup>st</sup> National Meeting of American Chemical Society, San Diego, CA, Apr. 1-5, 2001.
157. Sabatini, D. A. "Surfactant-Enhanced Environmental Remediation." Rands Afrikaans University, Johannesburg, South Africa, Mar. 15, 2001.
156. Sabatini, D. A. "Surfactant Enhanced NAPL Removed for Risk Reduction." University of Oklahoma Health Sciences Center, Oklahoma City, OK, December 5, 2000.
155. Childs, J. D., Acosta, E., Sabatini, D. A. and Scamehorn, J. F. "Surfactant Enhanced Treatment of Oil-Based Drill Cuttings and Oil-Contaminated Soils." Seventh Annual International Petroleum Environmental Conference, Albuquerque, NM, November 7-10, 2000.
154. Sabatini, D. A., Harwell, J. H., Knox, R. C. and Hasegawa, M. "Source Zone Removal Using Surfactants." Seventh Annual International Petroleum Environmental Conference, Albuquerque, NM, November 7-10, 2000.
153. Sabatini, D. A. and Grathwohl, P. "Surfactant Enhanced Remediation of Ford Oil Lubricating Oil." Ford-Europe, Cologne, Germany, October 17, 2000.
152. Sabatini, D. A. "Surfactant Enhanced Solubilization of High Molecular Weight Oils." BASF Research Institute, Ludwigshafen, Germany, September 29, 2000.
151. Harwell, J. H., Sabatini, D. A. and Knox, R. C. "Remediation of Soils and Aquifers with Surfactants." 220<sup>th</sup> National Meeting of American Chemical Society, Washington, DC, August 20-24, 2000.
150. Karapanagioti, H. K., Childs, J., Sabatini, D. A., Doan, T. V. and James, G. "Impacts of Charcoal (Opaque Particles) on Phenanthrene Sorption." 220<sup>th</sup> National Meeting of American Chemical Society, Washington, DC, August 20-24, 2000.
149. Karapanagioti, H. K., Gossard, C. M., Strevett, K. A., Kolar, R. L. and Sabatini, D. A. "Model Coupling Intraparticle Diffusion/Sorption, Nonlinear Sorption and Biodegradation Processes." 220<sup>th</sup> National Meeting of American Chemical Society, Washington, DC, August 20-24, 2000.
148. Kolar, R. L. and Sabatini, D. A. "Wireless Laptops in the Classroom: Do They Make a

- Difference?” 2000 Annual American Society for Engineering Education Conference, St. Louis, MO, June 18-21, 2000.
147. Kolar, R., Bush, T., Fink, L., Gramoll, K., Kukreti, A., Miller, G., Muraleetharan, K., Mooney, M., Sabatini, D. and Vieux, B. “Sooner City: Design Across the Curriculum.” 2000 Annual American Society for Engineering Education Conference, St. Louis, MO, June 18-21, 2000.
  146. Sabatini, D. A. “Surfactant Enhanced Solubilization of High Molecular Weight Oils.” Colgate-Palmolive Research Center, Liege, Belgium, May 26, 2000.
  145. Sabatini, D. A. “Impacts of Heterogeneities on Sorption and Natural Attenuation Processes.” USGS Norman Landfill Symposium, University of Oklahoma, Norman, OK, May 15, 2000.
  144. Sabatini, D. A., Harwell, J. H., Knox, R. C. and Hasegawa, M. “Surfactant-Enhanced Remediation of DNAPL Contamination.” The Characterization and Remediation of DNAPL Source Zones in Alluvium Workshop. Austin, TX, December 6-7, 1999.
  143. Hasegawa, M., Shiau, B., Sabatini, D. A. and Knox, R. C. “Ex Situ Soil Washing for the Removal of Total Petroleum Hydrocarbons and Brine.” 6<sup>th</sup> Annual International Petroleum Environmental Conference. Houston, TX, November 16-18, 1999.
  142. Sabatini, D. A., Harwell, J. H., Knox, R. C. and Hasegawa, M. “Surfactant-Enhanced Remediation of Petroleum Contaminated Media: Technical and Economical Considerations.” 6<sup>th</sup> Annual International Petroleum Environmental Conference. Houston, TX, November 16-18, 1999. Invited.
  141. Sabatini, D. A., Harwell, J. H., Knox, R. C. and Hasegawa, M. “Surfactant-Enhanced Subsurface Remediation: Extraction Efficiency and Surfactant Reuse.” EPA Workshop: Innovative Clean-up Approaches: Investments in Technology Development, Results and Outlook for the Future. Bloomingdale, IL, November 2-4, 1999. Invited.
  140. Sabatini, D. A. “Surfactant Enhanced Subsurface Remediation—Recent Advances.” University of Tuebingen, Germany, May 20, 1999.
  139. Sabatini, D. A. “Properties of Contaminated Aquifers Affecting Sorption Kinetics.” Swiss Federal Institute (EAWAG), Zurich, Switzerland, May 17, 1999.
  138. Sabatini, D. A. “Surfactant Properties Affecting Environmental Applications.” DowEurope, Horgen, Switzerland, May 14, 1999.
  137. Sabatini, D. A. “Integrated Design of Surfactant-Based Remediation Systems: Laboratory and Field Observations.” University of Waterloo, Waterloo, Canada, April 27, 1999.
  136. Kolar, R. L., Muraleetharan, K. K., Mooney, M. A., Kukreti, A. R., Gramoll, K., Sabatini, D. A., Bush, T. D. and Miller, G. A. “Sooner City – Design Across the Curriculum.” 34<sup>th</sup> ASEE Midwest Section Conference: April 14-16, 1999, Stillwater, OK.
  135. Knox, R. C., Sabatini, D. A., Harwell, J. H., Hasegawa, M. and Boettcher, L. “Surfactant-Enhanced Remediation of Hydrocarbons - 3 Field Demonstrations.” The 5<sup>th</sup> International

Petroleum Environmental Conference, Albuquerque, New Mexico, October 20-23, 1998.

134. Wu, B., Sabatini, D. A., Harwell, J. H., Bailey, J. D. and Carter, T. A. "Enhancing Diphenyloxidedisulfonate Surfactants' Solubilization Potential for PCE." 43<sup>rd</sup> Annual Pentasectional Meeting: Oklahoma Sections American Chemical Society, Ponca City, OK, August 15, 1998.
133. Karapanagioti, H. K. and Sabatini, D. A. "Phenanthrene Sorption on Natural Aquifer Materials." 43<sup>rd</sup> Annual Pentasectional Meeting: Oklahoma Sections American Chemical Society, Ponca City, OK, August 15, 1998.
132. Sabatini, D. A. "Dye and Media Properties Affecting Fluorescent Dye Sorption." University of Muenchen, Muenchen, Germany, July 8, 1998.
131. Sabatini, D. A. "Fluorescent Dye Sorption and Surfactant Enhanced Remediation of Subsurface Systems." University of Karlsruhe, Karlsruhe, Germany, June 25, 1998.
130. Danzer, J., Wu, B., Grathwohl, P. And Sabatini, D. A. "Surfactant Enhanced Attenuation/Mobilization of Tar Oil / Lubricating Oil." Horizonte 2000, 6. Wolfgang-Ostwald-Kolloquium Kolloid Gesellschaft. Juelich, Germany, June 4-6, 1998, C13.
129. Sabatini, D. A. "Designing Surfactant Systems for Enhanced Subsurface Remediation." Institute for Applied Physical Chemistry, Juelich, Germany, May 25, 1998.
128. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Results." The Swiss Federal Institute of Technology, Zuerich, Switzerland, May 20, 1998.
127. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Results." University of Aegean, Mytilini, Greece, May 8, 1998
126. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." University of Patras, Patras, Greece, May 4, 1998.
125. Karapanagioti, H., Sabatini, D. A., and Grathwohl, P. "Attenuation by Natural and Enhanced Sorption of HOCs in a Landfill Leachate," European Geophysical Society: XXIII General Assembly, Nice, France, April 20-24, 1998. C 487.
124. Sabatini, D. A., Harwell, J. H. and Knox, R. C. "Surfactant Selection for Enhanced Subsurface Remediation: Laboratory and Field Observations." European Geophysical Society: XXIII General Assembly, Nice, France, April 20-24, 1998. C 491.
123. Sabatini, D. A. "Surfactant Enhanced Soil Remediation: From the Laboratory to the Field." April 2, 1998, Leipzig, Germany.
122. Sabatini, D. A. "Surfactant Enhanced Soil Remediation (Using Soap to Cleanup Contaminated Soil)." Berlin Meeting of German Fulbright Professors. March 29-April 1, 1998, Berlin, Germany.
121. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Surfactant Regeneration for Reinjection." Surfactant Workshop, University of Stuttgart, Stuttgart, Germany, March 11, 1998.

120. Sabatini, D. A. "Surfactant Enhanced Soil Remediation: Fundamentals and Economics." Surfactant Workshop, University of Stuttgart, Stuttgart, Germany, March 11, 1998.
119. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Observations." The University of Strasbourg, Strasbourg, France, December 19, 1997.
118. Sabatini, D. A. "Fluorescent Dyes as Porous Media Tracers: Conservative and Reactive Properties." The Swiss Federal Institute of Technology, Zuerich, Switzerland, December 5, 1997.
117. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Observations." The University of Tuebingen, Tuebingen, Germany, November 26, 1997.
116. Knox, R. C., Sabatini, D. A., Shiao, B., and Harwell, J. H. "Surfactant Enhanced Remediation of Mixed NAPL Wastes: Solubilization vs. Mobilization." Fifth International Congress of North America - American Chemical Society, November 11-15, 1997, Cancun, Quintana Roo, Mexico.
115. Harwell, J. H., Sabatini, D. A., Knox, R. C., and Shiao, B. "Processes and Concepts for Optimizing the Economics of Surfactant-Enhanced Remediation." Fifth International Congress of North America - American Chemical Society, November 11-15, 1997, Cancun, Quintana Roo, Mexico.
114. Sabatini, D. A., Harwell, J. H. and Knox, R. C. "Surfactant Enhanced In Situ Ground Water Remediation." Separations Technology VII: Separations for Clean Production, Engineering Foundation Conference, Davos, Switzerland, October 26-31, 1997.
113. Sabatini, D. A., Harwell, J. H., Knox, R. C. and Shiao, B. J. "Surfactant Selection Criteria for Enhanced Subsurface Remediation: Laboratory and Field Observations." German Colloid Chemistry Society Meeting, University Essen, Essen, DE. October 2, 1997.
112. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Observations." The University of Arizona, August 15, 1997.
111. Sabatini, D. A., Knox, R. C. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation: Laboratory and Field Observations." The R. S. Kerr Environmental Research Laboratory, Ada, OK, July 31, 1997.
110. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation" and "Research at the Norman Landfill / USGS Toxic Substances Research Site." The University of Memphis, Memphis, TN, June 26, 1997.
109. Sabatini, D. A. "Enhanced Subsurface Remediation using DOWFAX Surfactants: From The Laboratory to the Field." Dow Chemical Co., Midland, MI, June 19, 1997.
108. Sabatini, D. A., Kasnavia, T., Shiao, B. J. and Soerens, T. "Fluorescent Dyes as Tracers: Sorptive Properties." Third Tracer Workshop, Center for Petroleum and Geosystems Engineering, The University of Texas, Austin, TX, May 21-22, 1997.

107. Harwell, J. H., Sabatini, D. A., O'Haver, J. and Knox, R. C. "AATDF Demonstrations: Surfactant Recovery." Research Technologies Development Forum, In Situ Flushing Action Team, Hill AFB, UT, May 8-9, 1997.
106. Sabatini, D. A., Harwell, J. H. and Knox, R. C. "SERDP Enhanced Source Removal: Surfactant Mobilization." Research Technologies Development Forum, In Situ Flushing Action Team, Hill AFB, UT, May 8-9, 1997.
105. Knox, R. C., Sabatini, D. A., and Harwell, J. H. "SERDP Enhanced Source Removal: Surfactant Solubilization." Research Technologies Development Forum, In Situ Flushing Action Team, Hill AFB, UT, May 8-9, 1997.
104. Sabatini, D. A., Harwell, J. H., Deshpande, S. and Wade, D. "Surfactant Selection Protocol for Optimizing Ex Situ Soil Washing." Science Advisory Committee Meeting, Northeast Hazardous Substances Research Center, NJIT, Newark, NJ, May 6, 1997.
103. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: From The Laboratory to the Field." New Jersey Institute of Technology, May 5, 1997.
102. Shiau, B. J., Sabatini, D. A., Knox, R. C., and Harwell, J. H. "Surfactant-Enhanced Mobilization of Mixed NAPL Wastes at Hill AFB: A Case Study." 213th ACS National Meeting, American Chemical Society, San Francisco, CA, April 13-17, 1997.
101. Knox, R. C., Sabatini, D. A., Shiau, B. J. and Harwell, J. H. "Surfactant-Enhanced Solubilization of Mixed NAPL Wastes at Hill AFB: A Case Study." 213th ACS National Meeting, American Chemical Society, San Francisco, CA, April 13-17, 1997.
100. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: From The Laboratory to the Field." Oklahoma State University, Stillwater, OK, March 7, 1997.
99. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: From The Laboratory to the Field." University of Alberta, Edmonton, Canada, February 18, 1997.
98. Krebs-Yuill, B., Harwell, J. H., Sabatini, D. A., Quinton, G. E. and Shoemaker, S. H. "Economic Study of Surfactant-Enhanced Pump-and-Treat Remediation." 69th Annual Conference of the Water Environment Federation, October 5-9, 1996, Dallas, TX.
97. Knox, R. C., Sabatini, D. A., Harwell, J. H. and West, C. C. "Surfactant Enhanced Subsurface Remediation: A Field Demonstration." The 3rd International Petroleum Environmental Conference: September 24-27, 1996, Albuquerque, NM.
96. Carter, T., Nivas, B. T., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Ex Situ Soil Washing: Inorganics Removal." The 3rd International Petroleum Environmental Conference: September 24-27, 1996, Albuquerque, NM.
95. Deshpande, S., Shiau, B. J., Karapanagioti, H., Wade, D., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Ex Situ Soil Washing: Organics Removal." The 3rd International Petroleum Environmental Conference: September 24-27, 1996, Albuquerque, NM.
94. Knox, R. C., Sabatini, D. A., Thal, A. and Harwell, J. H. "Surfactant Enhanced

- Solubilization of Mixed NAPL Wastes: A Case Study." Emerging Technologies in Hazardous Waste Management VIII: ACS Industrial and Environmental Chemistry Division Meeting, Birmingham, Alabama, September 9-12, 1996.
93. Shiau, B. J., Deshpande, S., Karapanagioti, H. K., Wade, D., Sabatini, D. A. and Harwell, J. H. "Surfactant Selection Protocol for Optimizing Ex Situ Soil Washing." Emerging Technologies in Hazardous Waste Management VIII: ACS Industrial and Environmental Chemistry Division Meeting, Birmingham, Alabama, September 9-12, 1996.
92. Shiau, B. J., Wu, B., Karapanagioti, H. K., Knox, R. C., Sabatini, D. A. and Harwell, J. H. "Use of Surfactants for Aquifer Remediation of Petroleum Wastes." Emerging Technologies in Hazardous Waste Management VIII: ACS Industrial and Environmental Chemistry Division Meeting, Birmingham, Alabama, September 9-12, 1996.
91. Hankins, N. Harwell, J. H., O'Haver, J. and Sabatini, D. A. "Surfactant Adsorption: Modeling pH, Surface Charge and Counterion Interactions on Amphoteric Surfaces." 11th International Symposium on Surfactants in Solution: Synergism and Mixtures, Jerusalem, Israel, June 9-13, 1996. p. 227.
90. Harwell, J. H., O'Rear, E. A., Sabatini, D. A. and Lobban, L. L. "Adsolubilization: Current Knowledge and Future Applications." 11th International Symposium on Surfactants in Solution: Synergism and Mixtures, Jerusalem, Israel, June 9-13, 1996. p. 106.
89. Sabatini, D. A., Harwell, J. H., Shiau, B. J., Van Duine, J., Deshpande, S., and Karapanagioti, H. "Surfactant Selection for Environmental Remediation: In Situ and Ex Situ Applications." 11th International Symposium on Surfactants in Solution: Synergism and Mixtures, Jerusalem, Israel, June 9-13, 1996. p. 177.
88. Sabatini, D. A., Harwell, J. H., Knox, R. C., Shiau, B. J., Brown, E., Wu, B., Wesson, L. and Carter, T. "Surfactant Enhanced Subsurface Remediation: From the Laboratory to the Field," 11th International Symposium on Surfactants in Solution: Synergism and Mixtures, Jerusalem, Israel, June 9-13, 1996. p. 182.
87. Sabatini, D. A., Knox, R. C., Harwell, J. H. and Shiau, B. J. "Surfactant Enhanced NAPL Remediation: From the Laboratory to the Field," International Workshop on Soil and Aquifer Pollution - Non-Aqueous Phase Liquids - Contamination and Reclamation. Technion - Israel Institute of Technology, Haifa, Israel, May 13-15, 1996. Invited.
86. Shiau, B. J., Wu, B., Karapanagioti, H. K., Carter, T., Sabatini, D. A. and Harwell, J. H. "Surfactant Selection for Subsurface Remediation of Petroleum Wastes." 211th ACS National Meeting, American Chemical Society, New Orleans, LA, March 24-28, 1996.
85. Sabatini, D. A., Knox, R. C., Harwell, J. H., West, C. C., Shiau, B. J. and Brown, E. "Surfactant Enhanced Remediation of Subsurface Petroleum Contamination: Results of a Field Test." 211th ACS National Meeting, American Chemical Society, New Orleans, LA, March 24-28, 1996.
84. Sabatini, D. A. "Enhanced Environmental Remediation Using Dowfax Surfactants." Dow Chemical Company, Midland, MI, January 10, 1996.
83. Soerens, T. S., Sabatini, D. A. and Harwell, J. H. "Column Studies Demonstrating the Effects

- of Heterogeneity on the Kinetics of PCE Dissolution into Surfactant Solutions" 1995 Fall Meeting, American Geophysical Union, San Francisco, CA, December 11-15, 1995.
82. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: From the Laboratory to the Field." The University of Tuebingen, Tuebingen, Germany, October 20, 1995.
  81. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: From the Laboratory to the Field in the United States." The German Ministry of the Environment (EPA), Stuttgart, Germany, October 19, 1995.
  80. Shiau, B. J., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation of Petroleum Wastes." The Second International Petroleum Environmental Conference, New Orleans, LA, September 25-27, 1995.
  79. Sabatini, D. A. "Surfactant-Contaminant Separation and Surfactant Reuse in Surfactant Enhanced Subsurface Remediation." Michigan Technological University, Houghton, MI, September 27, 1995.
  78. Sabatini, D. A. "Surfactant Enhanced NAPL Remediation: From the Laboratory to the Field." Michigan Technological University, Houghton, MI, September 27, 1995.
  77. Knox, R. C., Sabatini, D. A., Harwell, J. H., West, C. C., Blaha, F., Griffin, C., Wallick, D. and Quencer, L. "Traverse City Field Test." Workshop on *In Situ* Surfactant Use, Kansas City, Missouri, September 20, 1995.
  76. Van Duine, J., Legiec, I. A., Sabatini, D. A., and Harwell, J. H. "Surfactant Washing of Soils Contaminated with Hazardous Liquids." Emerging Technologies in Hazardous Waste Management VII, Atlanta, Georgia, September 17-20, 1995.
  75. Sabatini, D. A. "Integrating Teaching and Research on the Tenure Track: The Undergraduate Research Experience." 1995 ASEE Annual Conference and Exposition, Anaheim, CA, June 25-28, 1995.
  74. Sabatini, D. A. "Surfactant Selection Protocol for Optimizing Ex-Situ Soil Washing." 1995 Northeast Hazardous Substance Research Center Annual Research Seminar, New Jersey Institute of Technology, Newark, NJ, May 4-5, 1995.
  73. Sabatini, D. A., Shiau, B. J., Rouse, J. D. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation of Complex Wastes." 5th Annual WERC Technology Development Conference, Las Cruces, NM, April 18-20, 1995.
  72. Shiau, B. J., Sabatini, D. A. and Harwell, J. H. "Laboratory Column Studies of Chlorinated Solvent Remediation in Subsurface Media Using Food-Grade Surfactants." 209th ACS National Meeting, American Chemical Society, Anaheim, CA, April 2-6, 1995, Paper 111.
  71. Rouse, J. D., Sabatini, D. A. and Harwell, J. H. "Properties of Anionic Surfactants Affecting Biodegradation of Hydrocarbons." 209th ACS National Meeting, American Chemical Society, Anaheim, CA, April 2-6, 1995, Paper 66.
  70. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation: Batch and Column Results." The University of Texas, Austin, TX, February 24, 1995.

69. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation of Multicomponent Wastes." Rice University, Houston, TX, January 5, 1995.
68. Soerens, T. S., Sabatini, D. A. and Harwell, J. H. "Mass Transfer Considerations in Surfactant Enhanced Subsurface Remediation." 1994 Fall Meeting, American Geophysical Union, San Francisco, CA, December 5-9, 1994.
67. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation," University of Tubingen, Tubingen, Baden-Wuttemberg, Germany, October 14, 1994.
66. Shiau, B. J., Rouse, J. D., Soerens, T. S., Sabatini, D. A., and Harwell, J. H. "Surfactant Selection for Enhancing Subsurface PAH Remediation." VEGAS Workshop, Institut for Wasserbau, Universitat Stuttgart, Stuttgart, Germany, October 13-14, 1994.
65. Sabatini, D. A. "Surfactant Enhanced Soil Washing," Dywidag Environmental Remediation, Utting, Bavaria, Germany, October 11, 1994.
64. Sabatini, D. A. "Surfactant Enhanced Soil Washing," MBT Environmental Consultants, Zurich, Switzerland, October 10, 1994.
63. Sabatini, D. A. "Surfactant Enhanced Soil Washing," Dow-Europe, Horgen-Zurich, Switzerland, October 10, 1994.
62. Sabatini, D. A. and Harwell, J. H. "Surfactant Washing of Soils Contaminated with Hazardous Liquids II." Emerging Technologies in Hazardous Waste Management VI: Industrial and Engineering Chemistry Division of ACS: September 19-21, 1994, Atlanta, Georgia.
61. Van Duine, J., Donato, M. A., Legiec, I. A., Sabatini, D. A. and Harwell, J. H. "Surfactant Washing of Soils Contaminated with Hazardous Liquids I." Emerging Technologies in Hazardous Waste Management VI: Industrial and Engineering Chemistry Division of ACS: September 19-21, 1994, Atlanta, Georgia.
60. Brown, R. E., Rouse, J. D., Sabatini, D. A., and Harwell, J. H. "Use of Twin-Head and Ethoxylated High Performance Anionic Surfactants in Subsurface Remediation." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
59. Thirumalainivas, B., Shiau, B. J., Sabatini, D. A., and Harwell, J. H. "Surfactant Enhanced Extraction of Cr(VI) Using U.S. Coast Guard Media, Elizabeth City, North Carolina." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
58. Hasegawa, M. A., Lipe, K. M., Sabatini, D. A, and Harwell, J. H. "Modelling of Air Stripping and Liquid-Liquid Extraction for Use with Surfactant Enhanced Subsurface Remediation." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
57. Shiau, B. J., Sabatini, D. A., and Harwell, J. H. "Microemulsification of Single and Mixed Chlorinated Organic Solvents Using Edible Surfactants." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
56. Rouse, J. D., Sabatini, D. A., Suflita, J. M., and Harwell, J. H. "Influence of Surfactants on

- Microbial Degradation of Organic Compounds." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
55. Soerens, T. S., Sabatini, D. A. and Harwell, J. H. "The Effects of Heterogeneity on Mass Transfer Characteristics of NAPL Dissolution." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
  54. Krebbs-Yuill, B., Harwell, J. H., Sabatini, D. A., and Knox, R. C. "Edible Hydrotropes in the Use of Edible Surfactants in Surfactant-Enhanced Subsurface Remediation." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
  53. Krebbs-Yuill, B., Harwell, J. H., Sabatini, D. A., and Knox, R. C. "Economic Considerations in Surfactant-Enhanced Pump-and-Treat." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
  52. Sabatini, D. A., Knox, R. C., and Tucker, E. E. "Innovative Measures for Optimizing Subsurface Chromium Remediation." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
  51. Knox, R. C., Sabatini, D. A., and Harwell, J. H. "Surfactant Selection and Optimization of Single Well Injection/Extraction for DNAPL Remediation." 1994 RSKERL Ground Water Research Seminar, Oklahoma City, OK, June 1-3, 1994.
  50. Sabatini, D. A. "Surfactant-Enhanced Subsurface Remediation." Rice University, Houston, TX, March 31, 1994.
  49. Krebbs-Yuill, B., Harwell, J. H., Sabatini, D. A., and Knox, R. C. "Edible Hydrotropes in the Use of Edible Surfactants in Surfactant-Enhanced Subsurface Remediation." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 156.
  48. Lipe, K. M., Hasegawa, M., Sabatini, D. A., and Harwell, J. H. "Modeling and Optimization of Ultrafiltration and Air Stripping for Use in Surfactant Recycling." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 155.
  47. Rouse, J. D., Sabatini, D. A., and Harwell, J. H. "Use of Twin-Head and Ethoxylated High Performance Anionic Surfactants in Subsurface Remediation." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 153.
  46. Rouse, J. D., Sabatini, D. A., Suflita, J. M., and Harwell, J. H. "Influence of Surfactants on Microbial Degradation of Organic Compounds." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 152.
  45. Soerens, T. S., Sabatini, D. A., and Harwell, J. H. "Experimental and Modeling Studies of Surfactant Enhanced DNAPL Remediation in 1-D Columns." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 151.
  44. Shiau, B. J., Sabatini, D. A., and Harwell, J. H. "Microemulsification of Single and Mixed Chlorinated Organic Solvents Using Edible Surfactants." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 149.

43. Krebbs-Yuill, B., Harwell, J. H., Sabatini, D. A., and Knox, R. C. "Economic Considerations in Surfactant-Enhanced Pump-and-Treat." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 264.
42. Shiau, B. J., Rouse, J. D., Soerens, T. S., Sabatini, D. A., and Harwell, J. H. "Surfactant Selection for Optimizing Surfactant Enhanced Subsurface Remediation." 207th ACS National Meeting, American Chemical Society, San Diego, CA, March 13-17, 1994, Paper 177.
41. Sabatini, D. A. "Surfactant-Enhanced Subsurface Remediation." Geology and Geosciences Seminar, University of Oklahoma, Norman, OK, February 18, 1994.
40. Sabatini, D. A. "Surfactant-Enhanced Subsurface Remediation." Petroleum and Geological Engineering Seminar Series, University of Oklahoma, Norman, OK, February 18, 1994.
39. Sabatini, D. A. "Surfactant-Enhanced Subsurface Remediation." University of Tuebingen, Tuebingen, Germany, January 29, 1994.
38. Sabatini, D. A., Rouse, J. D., Shiau, B. J., Soerens, T. S. and Harwell, J. H. "Surfactant Selection for Chemical-Enhanced Subsurface Remediation of Immiscible Fluids." 1993 Fall Meeting, American Geophysical Union, San Francisco, CA, December 6-10, 1993. Invited.
37. Sabatini, D. A., Rouse, J. D., Shiau, B. J., Soerens, T. S. and Harwell, J. H. "Role of Surfactant Selection in Design of Surfactant Enhanced Subsurface Remediation." AICHE 1993 Summer National Meeting, August 15-18, 1993, Westin and Sheraton Hotels, Seattle, WA. Invited.
36. Harwell, J. H., Roberts, B., Sabatini, D. A. and Knox, R. C. "Model Aquifer Evaluation of Surfactants for Enhanced Water Flooding." AICHE 1993 Summer National Meeting, August 15-18, 1993, Westin and Sheraton Hotels, Seattle, WA.
35. Harwell, J. H., Sabatini, D. A. and Soerens, T. S. "Formation of Shock-Waves in Surfactant Enhanced Remediation of a DNAPL-Contaminated Aquifer." AICHE 1993 Summer National Meeting, August 15-18, 1993, Westin and Sheraton Hotels, Seattle, WA.
34. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." USEPA Region X Headquarters, Seattle, WA, August 17, 1993.
33. Sabatini, D. A. "Innovative Subsurface Remediation Technologies." Memphis State University, July 28, 1993.
32. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." The University of Illinois, Urbana, IL, June 23, 1993.
31. Sabatini, D. A. "Rhodamine WT as Ground Water Tracer and Surfactant Enhanced Subsurface Remediation." Iowa State University, Ames, IA, June 18, 1993.
30. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." The University of Arizona, Tucson, AZ, May 26, 1993.

29. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." USEPA Athens Environmental Research Laboratory, Athens, GA, May 3, 1993.
28. Sabatini, D. A., Rouse, J. D., Shiau, B. J. and Soerens, T. S. "Sorption and Transport of Organic Compounds in Oklahoma Ground Water." Oklahoma's Water and Sustainable Development Conference: Metro Tech Conference Center, Oklahoma City, OK, February 17 & 18, 1993.
27. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." Oklahoma Section of AIChE, Norman, OK, November 10, 1992.
26. Sabatini, D. A., Knox, R. C. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation of DNAPLs." Subsurface Cleanup and Mobilization Processes (SCAMP) Review Panel. USEPA, R. S. Kerr Environmental Research Laboratory, Ada, OK, October 20-21, 1992.
25. Sabatini, D. A. "Surfactant Selection and Reuse for Subsurface Remediation." Second Forum on NSF Research Activities in Subsurface Systems. The University of Michigan, Ann Arbor, MI, October 7-9, 1992. 40-41.
24. Shiau, B. J., Soerens, T. S., Chen, Y., Sabatini, D. A. and Harwell, J.H. "Enhanced Solubilization and Mobilization of Subsurface DNAPL Contamination Using Edible Surfactants." Aquifer Restoration: Pump-and- Treat and the Alternatives: Annual Meeting of the Association of Ground Water Scientists and Engineers, National Ground Water Association. September 30 - October 2, 1992, Las Vegas, NV.
23. Rouse, J. D., Lipe, M. K., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation: Minimization of Surfactant Losses and Recovery of Surfactant." Aquifer Restoration: Pump-and- Treat and the Alternatives: Annual Meeting of the Association of Ground Water Scientists and Engineers, National Ground Water Association. September 30 - October 2, 1992, Las Vegas, NV.
22. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." Institute for Applied Physical Chemistry, Julich, Germany, September 28, 1992.
21. Shiau, B. J., Gupta, A., Harwell, J. H., Knox, R. C. and Sabatini, D. A. "Edible Surfactants in Enhanced Remediation Processes." AIChE 1992 Summer National Meeting, Minneapolis, MN, August 9-12, 1992. Received Outstanding Paper Award from AIChE.
20. Sabatini, D. A. "Surfactant Enhanced Subsurface Remediation." Tinker Air Force Base, Oklahoma City, OK, June 18, 1992.
19. Sabatini, D. A. "Subsurface Restoration and Protection." Petroleum Environmental Research Forum, Ponca City, OK, June 17, 1992.
18. Soerens, T. S., Gupta, A., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Solubilization of Residual DNAPL - Column Studies." 9th International Symposium on Surfactants in Solution, Varna, Bulgaria, June 10-15, 1992.
17. Rouse, J. D., Shiau, B. J., Sabatini, D. A., and Harwell, J. H. "Use of Surfactants for Enhanced Solubilization and Mobilization of Subsurface NAPL Contamination." 9th

International Symposium on Surfactants in Solution, Varna, Bulgaria, June 10-15, 1992.

16. Sabatini, D. A. "Rhodamine WT for Ground Water Tracing and Surfactants for Advanced Subsurface Remediation." Invited talk presented at the University of Arizona, Tucson, AZ, May 11, 1992.
15. Shiau, B. J., Sabatini, D. A., Gupta, A., Harwell, J. H. "Use of Edible Surfactants for Enhanced Solubilization and Mobilization of Subsurface DNAPL Contamination." 203rd American Chemical Society National Meeting, San Francisco, CA, April 5-10, 1992.
14. Rouse, J. D., Sabatini, D. A., and Harwell, J. H. "Surfactant Properties Affecting the Efficiency of Surfactant Enhanced Subsurface Remediation." 203rd American Chemical Society National Meeting, San Francisco, CA, April 5-10, 1992.
13. Sabatini, D. A. "Advanced Subsurface Characterization and Remediation." Invited talk presented at USGS-WRD, Oklahoma City, OK, March 27, 1992.
12. Soerens, T. S. and Sabatini, D. A. "Cosolvation Effects on Sorption of an Ionogenic Compound (Rhodamine WT) with Subsurface Materials." 1991 Fall Meeting, American Geophysical Union, San Francisco, CA, December 2-6, 1991.
11. Shiau, B. J., Sabatini, D. A. and Harwell, J. H. "Influence of Molecular Structure of Rhodamine WT on Sorptive Transport in Subsurface Media." 1991 Fall Meeting, American Geophysical Union, San Francisco, CA, December 2-6, 1991.
10. Soerens, T. S. and Sabatini, D. A. "Cosolvation Effects on Sorption of an Ionogenic Compound (Rhodamine WT) with Subsurface Materials." 80th Annual Meeting of the Oklahoma Academy of Science. Southeastern Oklahoma State University, Durant, OK, November 8, 1991.
9. Shiau, B. J., Sabatini, D. A. and Harwell, J. H. "Influence of Molecular Structure of Rhodamine WT on Sorptive Transport in Subsurface Media." 80th Annual Meeting of the Oklahoma Academy of Science. Southeastern Oklahoma State University, Durant, OK, November 8, 1991.
8. Palmer, C., Sabatini, D. A. and Harwell, J. H. "Sorption of Hydrophobic and Amphiphilic (Nonionic Surfactant) Organics with Subsurface Materials," ACS 65th Colloid and Surface Science Symposium, University of Oklahoma, Norman, OK, June 17-19, 1991.
7. Sabatini, D. A. "Pesticides and Nitrates in Ground Water," Annual Meeting of Oklahoma Section of ASCE, University of Oklahoma, Norman, OK, April 25, 1991.
6. Knox, R. C., Canter, L. W., Sabatini, D. A. and Haiges, L. "Innovations in Hydrocarbon Remediation." Second Annual Environmental Protection in the Energy Industry Symposium, University of Tulsa, Tulsa, OK, December 11, 1990.
5. Canter, L. W. and Sabatini, D. A. "Mapping of Aquifer Vulnerability to Pollution." Seventh Advanced Course on Water Resources Management, Strainieri University, Perugia, Italy, August 27-31, 1990.

4. Palmer, C., Sabatini, D. A. and Harwell, J. H. "Nonionic Surfactants as Adsorbing Ground Water Tracers." Ground Water Flow Systems and Land Use: Relation to Quality of Shallow Ground Water. Annual Meeting of the Association of Ground Water Scientists and Engineers, September 25 - 27, 1990, Anaheim, CA.
3. Kamath, S., Sabatini, D. A. and Canter, L. W. "Biological Nitrification / Denitrification of High Sodium Nitrite Wastewater." 78th Annual Meeting of the Oklahoma Academy of Science, Edmond, OK, November 10, 1989.
2. Sabatini, D. A. and Austin, T. A. "Sorption and Nonequilibrium Transport of Atrazine and Alachlor in Alluvial Aquifer Sands: Laboratory Studies and Modeling." 1989 Fall Meeting, American Geophysical Union, San Francisco, CA, December 4 - 8, 1989.
1. Sabatini, D. A. and Austin, T. A. "Rhodamine WT and Fluorescein as Adsorbing Groundwater Tracers for Pesticides." Tracers in Hydrogeology: Principles, Problems and Practical Applications. Annual Meeting of the Association of Ground Water Scientists and Engineers. October 31 - November 1, 1989, Houston, TX.

#### RESEARCH GRANTS--EXTERNAL (68):

Total External Funding: \$12,786,909 (Individual Credit: \$4,255,604)

68. Butler, E. C. and Sabatini, D. A. "Nutrient cycles and management: Closing the loop on phosphorus management with waste derived materials for phosphorus recovery and reuse," U.S. Department of Agriculture, National Institute of Food and Agriculture - 2018-67020-27805 (50% credit), co-PI (PI: E.C. Butler), \$480,000, 3/15/18-3/14/22.
67. Murray, K., Nairn, R., Knox, R., and Sabatini, D. A. "Water Sampling Plan for Lake Thunderbird." Central Oklahoma Master Conservancy District (COMCD)", \$75,216, 4/15/16 to 4/14/17, co-PI (20%).
66. Sabatini, D. A. and Harwell, J. H. "Studies of Surfactant Properties - Modification." Surfactant Associates, \$73,261, 5/6/16 to 4/30/21, PI (50%).
65. Sabatini, D. A. and Kibbey, T.C.G. "Fundamental Processes Influencing Environmentally Benign Aqueous Microemulsion-based Methods for Bio-oil Extraction." National Science Foundation, \$255,242, NSF 1160053, 10/1/12 to 9/30/16, PI (50%).
64. Sabatini, D. A. and Butler, E. C. "Sustainable Drinking Water Adsorptive Materials for Arsenic and Fluoride Removal in Emerging Regions." National Science Foundation, \$299,968, NSF 1066425, 5/1/11 to 4/30/15, PI (50%).
63. Strevett, K., Cerato, A., Sabatini, D. A. et al. "REU Site: Infrastructure Design and Management." National Science Foundation, \$284,729, 6/1/09 to 5/31/12, Co-PI (1%).
62. Scamehorn, J. F., and Sabatini, D. A. "Studies of Surfactant Properties." Surfactant Associates, \$100,260, 1/1/09 to 12/31/09, Co-PI (50%).
61. Scamehorn, J. F., Sabatini, D. A., and Grady, B. (Director and Associate Directors), Institute for Applied Surfactant Research Industrial Sponsors, \$117,000, 1/1/09 to 12/31/09, (33%).

60. Kolar, R., Butler, E., Sabatini, D., et al. "Doctoral Fellowships in Technologies for Sustainable Infrastructure and Environmental Systems." U.S. Dept. of Education, \$783,936, Sept. 1, 2009 to Aug. 31, 2012, Co-PI (8%).
59. Sabatini, D.A. and Kibbey, T.C.G. "Robust Vegetable Oil/Diesel Reverse Microemulsion Biofuels." Oklahoma Bioenergy Center (State of Oklahoma – Secretary of Energy), \$167,648, July 1, 2009 to June 30, 2011, PI (50%).
58. Sabatini, D.A. "Surfactant Enhanced Remediation of Organolead Contamination." DuPont Chemical Co., \$189,481, Sept 1, 2008 to Aug 31, 2011, PI (100%).
57. Scamehorn, J. F., Sabatini, D. A., and Grady, B. (Director and Associate Directors), Institute for Applied Surfactant Research Industrial Sponsors, \$104,000, 1/1/08 to 12/31/08, (33%).
56. Sabatini, D.A. "Surfactant-based Oilseed Extraction for Biodiesel: Pilot Scale Testing at an Operating Facility." Oklahoma Bioenergy Center (State of Oklahoma – Secretary of Energy), \$118,600, January 1, 2008 to June 30, 2010, PI (100%).
55. Sabatini, D.A. "Surfactant-based Oilseed Extraction for Biodiesel." Oklahoma Center for Advancement of Science and Technology (OCAST), \$70,342, June 2007 to May 2009, PI (100%).
54. Sabatini, D.A. "Extraction of Triglycerides for Biofuel using Environmentally Friendly Microemulsions." Oklahoma Department of Energy, \$146,000, 7/1/06 to 6/30/08, PI (100%).
53. Scamehorn, J. F. and Sabatini, D. A., (Director and Associate Director), Institute for Applied Surfactant Research Industrial Sponsors, \$90,000, 1/1/06 to 12/31/06, (50%).
52. Kibbey, T.C.G and Sabatini, D.A. "Rapid Detection of Trace Endocrine Disrupting Chemicals in Complex Mixtures: A Full-Spectrum Deconvolution Technique with a UV-Transparent Passive Concentrator." EPA, \$448,259, 1/1/06 to 12/31/08, co-PI (50%).
51. Kibbey, T.C.G and Sabatini, D.A. "Hysteretic Accumulation and Release of Nanomaterials in the Vadose Zone." EPA, \$375,000, 9/1/05 to 8/31/08, co-PI (50%).
50. Scamehorn, J. F. and Sabatini, D. A., (Director and Associate Director), Institute for Applied Surfactant Research Industrial Sponsors, \$82,500, 1/1/05 to 12/31/05, (50%).
49. Sabatini, D. A., McInerney, M. and Knox, R. C. "Evaluation of Submicellar Synthetic Surfactants versus Biosurfactants for Enhanced LNAPL Recovery." IPEC-EPA, \$97,806, 9/1/04 to 8/31/05, PI (33%).
48. Scamehorn, J. F. and Sabatini, D. A., (Director and Associate Director), Institute for Applied Surfactant Research Industrial Sponsors, \$97,500, 1/1/04 to 12/31/04, (50%).
47. Sabatini, D. A. and Scamehorn, J. F. "Detergency Studies." Surfactant Associates, \$9,801, 10/1/03 to 9/30/04, PI (50%).
46. Scamehorn, J. F. and Sabatini, D. A. "Studies of Surfactant Properties." Surfactant

- Associates, \$346,470, 10/03 to 7/09, co-PI (50%).
45. Sabatini, D.A. and Harwell, J. H. “Nanostructured Microemulsions as Alternative Solvents to VOCs in Cleaning Technologies and Vegetable Oil Extraction.” USEPA, \$314,966, 7/03 to 6/06, PI (50%).
  44. Kolar, R. L., Knox, R. C., Sabatini, D.A., et al. “Doctoral Fellowships in Sustainable Technologies for Civil and Environmental Systems.” U.S. Department of Education, \$793,344, 9/03 to 8/06, Co-PI (10%).
  43. Butler, E. C. and Sabatini, D. A. “Postdoctoral Fellowship: Natural and Anthropogenic Ground-Water Contamination: Engineered Remediation Technologies, Pollutant Natural Attenuation and Technologies for Pollution Avoidance.” Camille and Henry Dreyfus Foundation, \$96,000, 1/1/03 to 7/20/05, Co-PI (50%).
  42. Scamehorn, J. F. and Sabatini, D. A. “Formulating DOWFAX8390 Aqueous Systems Using Supersolubilization Phenomena to Remove Typical Soils in Detergency Applications.” Dow Chemical Company, \$7,500, 5/02 to 4/03, Co-PI (50%).
  41. Scamehorn, J. F. and Sabatini, D. A. “Measurement of Monomer-Micelle Equilibrium for Mixed Surfactant Systems.” Unilever Corporation, \$80,000, 11/00 – 10/02, Co-PI (50%).
  40. Sabatini, D. A. and Scamehorn, J. F. “Key Surfactant Properties Affecting Their Performance.” Surfactant Associates, \$16,147, 11/1/01 to 10/31/02, PI (50%).
  39. Kibbey, T. and Sabatini, D. A. “The Influence of Amphiphilic Molecules on the Environmental Fate and Transport of Pharmaceuticals.” USEPA, \$316,597, 9/1/01 to 8/31/04, Co-PI (50%).
  38. Sabatini, D. A. and Scamehorn, J. F. “Studies of Surfactant Properties.” Surfactant Associates, \$8,582, 8/1/00 to 7/31/01, PI (50%).
  37. Sabatini, D. A. and Scamehorn, J. F. Surfactant-Enhanced Treatment of Oil-Contaminated Soils and Oil-Based Drill Cuttings.” EPA/IPEC, \$115,053, 5/16/00 to 11/15/01, PI (50%).
  36. Kibbey, T. and Sabatini, D. A. “Evaluation of Micellar Enhanced Ultrafiltration and Air Stripping for Surfactant Solution Separation and Treatment for the OK Tools Site Remediation.” Department of Energy-INEEL, \$87,526, 4/1/00 to 3/31/01, Co-PI (50%).
  35. Kolar, R. L. et al. “Research Experience for Undergraduates in GeoEnvironmental Systems.” NSF REU Site Award, \$418,111, 3/1/00 to 2/28/05, Co-PI (5%).
  34. Miller, G. A., Zaman, M., Sabatini, D. A., Mooney, M. A., Kolar, R. L., Kibbey, T., Muraleetharan, K. K. and Knox, R. C. “Acquisition and Development of Equipment for Unsaturated Soil Research.” NSF, \$401, 958, 7/1/00 to 6/30/02, Co-PI (5%).
  33. Scamehorn, J., Sabatini, D. and Christian, S. “Formulating DOWFAX 8390 Aqueous Systems Using the Supersolubilization Phenomena to Remove Typical Soils in Detergency Applications.” Dow Chemical Co., \$25,000, 4/1/99 to 6/30/2001, Co-PI (33%).
  32. Knox, R. C., Sabatini, D. A. and Harwell, J. H. “Surfactant-Enhanced Treatability Study at

- Alameda Point.” Surbec Environmental, LLC, \$40,000, 3/99 to 2/00, Co-PI (33%).
31. Kukreti, A., Kolar, R., Sabatini, D., et al. “Sooner City – Design Across the Curriculum.” NSF Action Agenda, \$750,000, 9/98 to 8/01.
  30. Strevett, K., Tanner, R., Knox, R. C. and Sabatini, D. A. “The Effect of In Situ Biosurfactant Production on Hydrocarbon Biodegradation.” U. S. Environmental Protection Agency, \$323,072, 3/98 to 3/01, Co-PI (25%).
  29. Knox, R. C., Harwell, J. H. and Sabatini, D. A. “Surfactant-enhanced Subsurface Remediation of Petroleum Hydrocarbons -- McClelland.” Surbec Environmental, LLC, \$50,000, 7/98 to 6/99.
  28. Knox, R. C., Kolar, R. L., Sabatini, D. A., et al. “Chemicals in the Environment -- Doctoral Fellowships in Environmental Engineering and Science.” U. S. Department of Education, \$601,224, 8/15/98 to 8/14/01, Co-PI (6%).
  27. Knox, R. C., Harwell, J. H. and Sabatini, D. A. “Surfactant/Cosolvent Treatability Study for DNAPL at WAG6 -- Paducah Gaseous Diffusion.” Surbec Environmental, LLC, \$100,000, 8/98 to 1/99.
  26. Sabatini, D. A. “Fulbright Senior Scholar Award -- Univesität Tübingen.” DM 51,000 (\$35,500), American-German Fulbright Kommission, 9/97 to 7/98.
  25. Knox, R. C., Sabatini, D. A. and Harwell, J. H. “Surfactant-Enhanced Subsurface Remediation of Petroleum Hydrocarbons - Tinker.” Surbec Environmental, LLC, \$20,000, 8/97 to 7/98.
  24. Sabatini, D. A. and Harwell, J. H. "Mechanisms for Enhancing the Solubilization Potential of DOWFAX Components." Dow Chemical Company, \$32,928, 8/97 to 7/98.
  23. Suflita, J., Strevett, K. A. and Sabatini, D. A. "A Critique of Biodegradation Test Methodologies for Surfactants." Soap and Detergency Association, \$24,958, 5/97 to 4/98.
  22. Nelson, D. I., Everett, J. E., Sabatini, D. A., Knox, R. C., Vieux, B. E., Kolar, R. L., Strevett, K. A., and Nanny, M. A. "Research Experience for Undergraduates in Environmental Monitoring and Modeling." National Science Foundation, \$175,421, EEC-9619886, 2/97 to 1/00.
  21. Knox, R. C., Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Subsurface Remediation of Petroleum Hydrocarbons." Trust Environmental Services, LLC, \$14,400, 1/97 to 6/97.
  20. Sabatini, D. A. and Harwell, J. H. "Dowfax Components for Treating Soils Contaminated with Chlorinated Solvents and Heavy Metals." Dow Chemical, \$30,062, 12/95 to 11/96.
  19. Harwell, J. H., Sabatini, D. A. and Knox, R.C. "Separation Processes for Surfactant-Contaminant Separation and Surfactant Reuse." Advanced Applied Technology Demonstration Facility (Rice University / SERDP), \$398,705, Nov 1995 to Oct 1997.
  18. Sabatini, D. A. and Harwell, J. H. "Soil Washing Efficiency Using Individual DOWFAX

- Components." Dow Chemical, \$31,778, September, 1994 to August 1995.
17. Knox, R. C., Sabatini, D. A. and Harwell, J. H. "Design Manual for the Extraction of Contaminants from Unconsolidated Subsurface Environments." USEPA (subcontract from Rice University), R11961-722000-94, \$3.3 Million (\$1.2 M at University of Oklahoma, \$2.1 M subcontracts to Arizona, Michigan and Michigan Tech), September, 1994 to August, 1998.
  16. Sabatini, D. A. and Harwell, J. H. "Surfactant Selection Protocol for Optimizing Ex Situ Soil Washing." USEPA Northeast Hazardous Substances Research Center -- New Jersey Institute of Technology, \$220,000, R-819679, August, 1994 to July, 1996.
  15. Knox, R. C., Sabatini, D. A. and Harwell, J. H. "A Pilot-Scale Demonstration of Surfactant-Enhanced Subsurface Remediation." USEPA, \$99,930, CR822689-01-0 (T-2079), August 1994 to July 1995.
  14. Sabatini, D. A., Knox, R. C., and Harwell, J. H. "Surfactant Enhanced Soil Remediation." OCAST, \$216,352, AR4-046 4754, May 94 to April 97.
  13. Sabatini, D. A. and Harwell, J. H. "Surfactant Enhanced Solubilization and Biodegradation of Hydrophobic Petroleum Compounds." Amoco Production Company, \$10,000, June, 1993 to June, 1994.
  12. Harwell, J. H., Sabatini, D. A. and Knox, R. C. "Mixing Rule Constants for the Optimization of Dowfax Blends for Soil Washing, In Situ Aquifer Remediation, Oil Spill Cleanup, and Solvent-Free Cleaning Systems." Dow Chemical Company, \$32,377, August, 1993 to August, 1994.
  11. Sabatini, D. A., Knox, R. C. and Tucker, E. E. "Innovative Methods for Remediation of Subsurface Chromium Contamination." USEPA, \$175,000, CR820736-01-0 (T-2079), November, 1992 to November, 1994.
  10. Harwell, J. H., Sabatini, D. A. and Knox, R. C. "Sandtank Testing of Surfactant Enhanced Remediation of Subsurface Contamination by Chlorinated Solvents." Surfactant Associates, Norman, OK, \$9,600, July 1992 to December 1992.
  9. Sabatini, D. A., Harwell, J. H. and Knox, R. C. "Surfactant Enhanced Remediation of Subsurface DNAPL Contamination." USEPA, \$302,683, CR818553-01-0, October, 1991 to October, 1994.
  8. Canter, L. W., Knox, R. C., Sabatini, D. A., Vieux, B. E. "Contaminant Identification and Classification (Component of Research Plan for Delineating Wellhead Protection Areas Based upon the Assimilative Capacity of the Subsurface)." USEPA, \$180,000, CR 819003-01-0, September, 1991 to September, 1993.
  7. Sabatini, D. A. "Surfactant Selection for Use in Enhanced Remediation of Petroleum Contaminated Ground Water: Surfactant Enhanced Subsurface Flushing and Micellar-Enhanced Ultrafiltration." NSF, \$79,368, BCS-9110780, July, 1991 to December, 1993 (including REU supplement).
  6. Canter, L. W., Knox, R. C., Harwell, J. H. and Sabatini, D. A. "Advanced Subsurface

- Characterization for Sorptive Processes Using Nonionic Surfactants." Battelle, \$87,750, 90-555, October, 1990 to August, 1992.
5. Canter, L. W., Knox, R. C. and Sabatini, D. A. "Evaluation of Underground Fuel Spill Cleanup Technologies for Selected Navy Sites." Battelle, \$34,831, 89-195, September, 1990 to August, 1992.
  4. Sabatini, D. A. and Canter, L. W. "Development of Nitrate-Nitrite Analysis Technique and Heavy Metal Removal Process(es) for Navy Shipyard High Sodium Nitrite Wastewater." Battelle, \$18,468, 90-543, September, 1990 to March, 1991.
  3. Canter, L. W., Knox, R. C., Nelson, D. I. and Sabatini, D. A. "Development of an Expert System for Soil and Ground Water Remediation." Search Inc., November, 1989 to August, 1992, \$68,516.
  2. Sabatini, D. A. and Zaman, M. "Underground Storage Tank Assessment Methodology." Search, Inc. \$16,500, August, 1989 to April, 1990.
  1. Canter, L. W. and Sabatini, D. A. "Biological Denitrification of High Nitrite Navy Shipyard Wastewater." Battelle, \$20,875, 89-194, May to October, 1989.

DISSERTATIONS ADVISED AT CHULALONGKORN UNIVERSITY – Environmental and Hazardous Waste Management Program (10):

10. Rongsayamanont, Witchaya (Kaewtip - Kwang), Ph.D., 2017.
9. Arpornpong, Noukamol (Aom), Ph.D., December 2014.
8. Talawat, Jaruwan. Ph.D., January 2013.
7. Mathurasa, Lada. Ph.D., June 2012.
6. Panswad, Donyaporn (Pin). Ph.D., March 2012.
5. Damrongsiri, Seelawut. Ph.D., June 2011.
4. Asnachinda, Emma. Ph.D., June 2009.
3. Charoensaeng, Ampira. Ph.D., October 2008.
2. Lorphensri, Oranuj. Ph.D., December 2005.
1. Fuangwasdi, Aranya. Ph.D., December 2005.

COMPLETED OU THESES (31) / DISSERTATIONS (15):

46. Phaodee, Parichat. "Designing and Characterizing Surfactant Formulations for Detergency of Oily and Solid Non-particulate Soils." Ph.D., June 2020.

45. Deal, Philip. "The Impact of a Private Water Enterprise on Household Water Services in Rural Ghana." Ph.D., April 2020.
44. Nijhawan, Anisha. "Synthesis and Characterization of Porous Hydroxyapatite Ceramics for Batch and Column Treatment of Fluoride-Impacted Ground Water." Ph.D., May 2019.
43. Yami, Teshome Lemma. "Low Cost Chemically Activated Cow Bone for Fluoride Removal from Drinking Water: Batch, Field-scale Column and Business Model Studies." Ph.D., May 2017.
42. Brunson, Laura. "An Investigation of Sustainable Fluoride Water Treatment Technologies with a Focus on Ethiopia." Ph.D., September 2014.
41. Attaphong, Chodchanok. "Formulation and Characteristics of Vegetable Oil-based Microemulsion Fuels." Ph.D., March 2014.
40. Ryckman, Hayley. "Iron Amended Rubber Tree (*Havea Brasiliensis*) Sawdust Charcoal for Arsenate Adsorption." MS, May 2013.
39. Cope, Chris. "Improving Arsenate Adsorption Onto Iron Oxide Amended Porous Materials: Rice Husk Char." MS, September 2012.
38. Webster, Damon. "Adsorption of Arsenic onto Iron Oxide Coated Rice Husk Char." MS, December 2011.
37. Do, Linh Dieu. "Formation and Characterization of Vegetable Oil Microemulsions and their Applications in Oilseed Extraction and Biofuel." Ph.D., December 2010.
36. Nguyen, Thu Thi Le. "Biosurfactants: Characterization, Microemulsion Formation and Potential Applications." Ph.D., November 2009.
35. Phan, Tri Thanh. "Formation, Characterization and Application of Triglyceride Microemulsions using Extended Surfactants." Ph.D., August 2009.
34. Brunson, Laura. "An Analysis of Fish Bone Char as a Sustainable Arsenic and Fluoride Removal Technology for Emerging Regions." MS, April 2009.
33. Witthayapanyanon, Anuradee. "Extended Surfactants: Characterization and Microemulsion Properties." Ph.D., October 2008.
32. Jones, Patrick Kyle. "Impact of Surface Functionality Modification on Fenton Regeneration of Activated Carbon." MS, November 2007.
31. Mlilo, Thabani. "Appropriate Water Treatment Technologies: Arsenic and Fluoride Removal Using Simple Materials." MS, July 2007.
30. Upadhyaya, Anand. "Design and Characterization of Anionic and Cationic Surfactant Mixtures: Adsorption, Precipitation and Phase Behavior Studies." MS, January 2005.
29. Gallo, Daniel. "Pilot Scale Study of Polyelectrolyte Enhanced Ultrafiltration for Arsenic Removal." MS, May 2004.

28. Acosta, Edgar J. "Modeling and Formulation of Microemulsions: The Net-Average Curvature Model and the Combined Linker Effect." Ph.D., March 2004.
27. Doan, T. "Formulating Middle-Phase Microemulsions Using Mixed Anionic and Cationic Surfactant Systems." MS, June 2002.
26. James, G. "The Impact of Charcoal Properties on Phenanthrene Sorption." MS, September 2001.
25. Cheng, H. "Contaminant and Anionic Surfactant Separation Using Solvent Extraction and Anion Exchange." MS, December 2000.
24. Karapanagioti, H. "Impacts of Heterogeneous Sedimentary Organic Matter on Phenanthrene Sorption and Fate Processes, PhD, December 1999.
23. Walk, R. "Field Demonstration of Packed Tower and Hollow Fiber Air Stripping for Surfactant Regeneration." MS, August 18, 1997.
22. Carter, T. "Enhancement of the Solubilization Potential of the Dowfax Surfactants." MS, August 5, 1997.
21. Kasnavia, T. "Influence of Molecular Structure and Functional Groups on Fluorescent Dye Sorption." MS, July 18, 1997.
20. Deshpande, S. "Development of a Surfactant Selection Protocol for Optimizing Ex Situ Soil Washing." MS, December 10, 1996.
19. Wu, B. "Formulation of Petroleum Microemulsion Systems for Surfactant-Enhanced In Situ Subsurface Remediation." MS, December 9, 1996.
18. Fitter, F. "Fate and Transport of Oil Field Brines in Recharge Areas of the Central Oklahoma Aquifer." MS, May 1995 (Part Time Student -- Co-Chair with Dr. R. C. Knox).
17. Paul, C. J. "Ground-Water Sampling: Effects of Turbidity and Sampling Methodology on Trichloroethene, cis-Dichloroethene, and Vinyl Chloride Concentrations." MS, May 1995 (Part Time Thesis Student).
16. Soerens, T. S. "Dissolution of Nonaqueous Phase Liquids in Porous Media: Mass Transfer in Aqueous and Surfactant Systems." PhD, April 14, 1995.
15. Shiau, B. J. "Subsurface Remediation of Chlorinated Solvents Using Direct Food Additive Surfactants." PhD, January 4, 1995.
14. Rouse, J. D. "Properties of High Performance Anionic Surfactants Affecting Abiotic and Biotic Remediation of Subsurface Hydrocarbon Contamination." PhD, December 1994.
13. Thirumalainivas, B. "Surfactant-Enhanced Remediation of Subsurface Chromium Contamination." MS, August 1994.
12. Hasegawa, Mark A. "Evaluation of Air Stripping and Modelling of Liquid-Liquid Extraction

for Use with Surfactant-Aided Subsurface Remediation." MS, July 1994.

11. Powell, Robert M. "Geochemical Effects on Subsurface Chromate Reduction and Remediation Utilizing the Thermodynamic Instability of Zero-Valence-State Iron." MS, May 1994. (Part Time Thesis Student).
10. Gjovick, Nathan. "Iron Removal from Ground Water Using Double-Pump Aeration Well System on Sites within the Cherokee Nation in Northeastern Oklahoma." MS, December 1993. (Part Time Thesis Student).
9. Nayyar, Sandeep. "Modified Admicellar Chromatography as an Alternative to Carbon Adsorption in Water and Wastewater Treatment." MS, November, 1993.
8. Lipe, Michelle. "An Investigation of Micellar Enhanced Ultrafiltration and Air Stripping for Use in Surfactant Enhanced Groundwater Remediation." MS, September, 1993.
7. Palmer, Candace. "The Use of Nonionic Surfactants as Adsorbing Tracers to Mimic the Behavior of Neutral Organic Contaminants in Alluvial Aquifers." MS, May, 1992.
6. Shiau, Bor-Jier. "Influence of Molecular Structures of Rhodamine WT on Sorptive Transport in Subsurface Media." MS, December, 1991.
5. Soerens, Thomas. "Cosolvation Effects on Sorption of an Ionogenic Compound (RWT) with Subsurface Materials." MS, August, 1991.
4. Vasireddy, Satyanarayana. "Design Methodology for Nitrification in Powdered Activated Carbon- Activated Sludge Treatment of Wastewaters with Inhibitory Compounds." MS, January, 1991.
3. Hosagandi, Vitthal. "A Model for Assessing Underground Storage Tank Corrosion Induced Leaks." MS, October, 1990.
2. Lau, Sim Lin. "Adsorption and Desorption Behavior of Benzene, Toluene and p-Xylene in Ground Water." MS, January, 1990.
1. Kamath, Satish. "Biological Nitrification / Denitrification of High Sodium Nitrite Wastewater." MS, December, 1989.

THESES IN PROGRESS (DEGREE, ANTICIPATED COMPLETION) (2):

Ding, Yifan (co-advise with Butler)                      PhD, May 2023

UNIVERSITY COURSES TAUGHT SINCE JANUARY 1989 (27 Different Courses):

1. CEES 1111      Introduction to Civil and Environmental Engineering and Environmental Science (Fall '03, '04, '06)
2. CEES 1112      Introduction to Civil, Environmental and Architectural Engineering and Environmental Science (Fall '07, '08, '09, '10)

3. ES 1112 Introduction to Environmental Science (Fall '01, '02)
4. CE 1111 Microcomputers for Civil Engineers (Fall '93)
5. CE 3212 Environmental Engineering I (Fall '98, '99, '00, '01)
6. CE 3213 Water Resources Engineering (Fall '04)
7. CE 3234 Environmental Engineering II (Sp '03)
8. CE 4233 Environmental Engineering II (Fall '89, '90, '92)
9. CEES 4243 WaTER (Water Technologies for Emerging Regions) – (Sp '10, '11, '12, '13, '14, '15, '16, '17, '18, '19, '20)
10. CE 4623 Hazardous and Solid Waste Management (Fall '03)
11. CE 4903 Senior Design (Sp '93, '95)
12. CEES 4913/4923 Environmental Engineering/Science Capstone Course (Sp '14)
13. CE 5020 WaTER (Water Technologies for Emerging Regions) – (May Intersession 06, Sp '07, '08, '09)
14. CE 5244 Water and Waste Treatment Processes (Fall '89, '91, Sp '93, '94, '95, '96, '97, '98 -- Universitaet Tuebingen--Sabbatical, Sp '99, '00, '01, '02, '06, '08, '12, '14, '16, '18, '20)
15. CE 5600 Environmental Quality Management (Su '90)
16. ES/Chem/  
ChE 5673 Colloid and Surface Science (Sp '04, '05, '07, '09, '11, '13)
17. CE 5833 Ground Water Quality Protection (Fall '91, '92, '93, '94, '95, '96, '97, '99, '00)
18. CE 5853 Groundwater and Seepage (Fall '90)
19. CE 5873 Water Quality Management (Sp '90)
20. CE 5883 Water Quality Modeling (Fall '96)
21. CE 5893 Ground Water Pollution Control (Sp '89, '90, '91)
22. CE 6624 Biological and Industrial Wastewater Treatment and Reuse (Sp '91)
24. ENGR 1510 Introduction to Water (Sp '14, '15, '16, '17, '18)
25. Honors 2973 WaTER for Health, Education, Development and Peace (Fa '09, '11, '14, '16, '18, '20)

- 26. CEES 2153 Mechanics of Materials (Fa' 2017 – Arezzo)
- 27. ENGR 4510 Water in Ancient Rome / Developing Countries (Fa' 2017 – Arezzo)
- 27. ENGR 4051 Lincoln, Leadership and Innovation (Sp' 2019, '20)

SHORT COURSES TAUGHT (US and International) (59):

- 59. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, Dec 7-18, 2020 (taught remotely).
- 58. “Applied Surfactant Science and Technology Short Course for 2020.” Clorox, December 1-3, 2020 (taught remotely).
- 57. “Applied Surfactant Science and Technology Short Course for 2019.” Clorox, January 8-10. Pleasanton, CA; Michelman, March 27-29. Cincinnati, OH; Norman, OK, May 29-31; Proctor & Gamble, August 13-15. Cincinnati, OH.
- 56. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, Dec 3-14, 2018.
- 55. “Applied Surfactant Science and Technology Short Course for 2017,” Norman, OK, May 14-16, 2018.
- 54. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, October 15-28, 2017.
- 53. “Applied Surfactant Science and Technology Short Course for 2017,” Norman, OK, May 22-24, 2017; P&G, Cincinnati, OH, September 3-5, 2017
- 52. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, December 7-18, 2015.
- 51. “Applied Surfactant Science and Technology Short Course for 2015,” InVia, GSK-Stiefel, Research Triangle, NC., February 17-19, 2015; Norman, OK, May 11-13, 2015; P&G, Cincinnati, OH, May 18-20, 2015; Pilot Chemical Co., Cincinnati, OH, August 17-19, 2015; and Charleston, SC., October 14-16, 2015.
- 50. “Applied Surfactant Science and Technology Short Course for 2014,” InVia, Tulsa, OK, Feb 5-7; Norman, OK, May 12-14, 2014; Cytek, Stamford, CT, June 2-4, 2014.
- 49. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, December 8-19, 2014.
- 48. “Applied Surfactant Science and Technology Short Course for 2013,” Norman, OK, May 7-9, 2013; P&G Cincinnati, June 10-12, 2013; Baker Hughes-Houston, July 22-24, 2013.
- 47. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at

- Chulalongkorn University, Bangkok, Thailand, Nov 4-15, 2013.
46. “Applied Surfactant Science and Technology Short Course for 2012,” Norman, OK, May 6-8, 2012; Mead-WestVaco, December 11-13, 2012.
  45. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, June 18-29, 2012.
  44. “Applied Surfactant Science and Technology Short Course for 2011,” Norman, OK, May 9-11, 2011; Clorox, Pleasanton, CA, November 1-3, 2011; Novozymes, Copenhagen, Denmark, December 12-14, 2011.
  43. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, June 12-26, 2011.
  42. “Applied Surfactant Science and Technology Short Course for 2010,” Akzo-Nobel, Brewster, NY, April 27-29, 2010; Norman, OK, May 10-12, 2010.
  41. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, June 14-25, 2010.
  40. “Applied Surfactant Science and Technology Short Course for 2009,” Norman, OK, September 14-15, 2009; Pilot Chemical Co., Cincinnati, OH, Dec. 14-16, 2009.
  39. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, June 22- July 3, 2009.
  38. “Contaminant Transport Processes.” Three and one-half day course, RDIC – Bridge Student Program, Phnom Penh, Cambodia, June 15 -18, 2009.
  37. “Ground Water Quality Management.” One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, June 16-27, 2008.
  36. “Applied Surfactant Science and Technology Short Course for 2008,” Ecolab, April 29-May 1; Norman, OK, May 12-14 and Sept. 15-17, 2008.
  35. “Ground Water Quality Protection.” Two day short course to National Ground Water Agency, Bangkok, Thailand, June 16-17, 2007.
  34. “Fate and Transport.” Taught one-half of semester course in NRE-EHWM Program at Chulalongkorn University, Bangkok, Thailand, June 11-22, 2007.
  33. “Applied Surfactant Science and Technology Short Course for 2007,” Norman, OK, May 7-9 and September 17-19; Proctor and Gamble, October 22-24, 2007.
  32. “Ground Water Quality Management.” One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, June 19-30, 2006.
  31. Taught in Microemulsion Short Course for American Oil Chemist Society Meeting, April 29-30, 2006.

30. "Applied Surfactant Science and Technology Short Course for 2006," Norman, OK, May 15-17 and September 18-20; Genecor, Palo Alto, CA, June 6-8; Chulalongkorn University, Bangkok, Thailand, July 3-5; Proctor and Gamble, Cincinnati, OH, October 23-25, 2006.
29. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, October 12-14, 2005.
28. "Ground Water Quality Management." One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, June 27-July 8, 2005.
27. "Applied Surfactant Science and Technology Short Course for 2005," Trumbull, CT, Jan 31-Feb 2; Norman, OK, April 9-11.
26. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, December 15-17, 2004.
25. "Applied Surfactant Science and Technology Short Course for 2004," Beijing, China, Jan 7-9; Norman, May 3-5; Bangkok, Thailand, July 5-7; Norman, September 13-15; and Minneapolis, September 20-22.
24. "Ground Water Quality Management." One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, June 21-July 2, 2004.
23. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, December 17-19, 2003.
22. "Applied Surfactant Science and Technology Short Course for 2003," Vlaardingen, February 17-19; Norman, May 12-14; Norman, September 15-17; and Cincinnati, October 15-17.
21. "Ground Water Quality Management." One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, May 25-June 6, 2003.
20. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, December 18-20, 2002.
19. "Applied Surfactant Science and Technology Short Course for 2002," Vlaardingen, February 25-27; Norman, May 13-15; Amsterdam, June 3-5; Vlaardingen, September 16-18; and Norman, November 11-13, 2002.
18. "Ground Water Quality Management." One-half semester taught in ERIC Program at Chulalongkorn University, Bangkok, Thailand, July 1-12, 2002
17. "Colloid and Surface Science." One-half of 3-hour course taught in PPC Program at Chulalongkorn University, Bangkok, Thailand, July 16-27, 2001.
16. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, December 11-14, 2001.
15. "Applied Surfactant Science and Technology Short Course for 2001," February 29-21, Vlaardingen, Netherlands; March 12-14, Sasolburg, South Africa; April 10-12, Carter-Wallace, NJ; May 21-23, Norman, OK; June 4-6, Amsterdam, Netherlands; July 18-20,

Bangkok, Thailand; October 28-30, Norman, OK.

14. "Physiochemical Processes for Water Treatment." Taught in Applied Environmental Geology Program at Universitaet Tuebingen, Deutschland, October 18-20, 2000.
13. "Applied Surfactant Science and Technology Short Course: May 8-10, 2000 -- Norman, OK; May 17-19, 2000 -- Novartis Chemical, Basel, Switzerland; November 23-25, 2000 -- Amsterdam, Netherlands; September 25-27, 2000 -- Unilever Chemical Co. -- Milan, Italy; November 6-8, 2000 -- Norman, OK.
12. "Surfactant Enhanced Soil Remediation." Taught two day short course at Universitaet Tuebingen, Tuebingen, Germany, June 18-19, 1998.
11. "Surfactant-Enhanced Subsurface Remediation." Taught one day short course at the R. S. Kerr Environmental Research Laboratory -- USEPA, Ada, OK, August 13, 1997.
10. "Risk Based Corrective Action and Modeling in Canada," lectured for one of three day short course in Edmonton and Calgary, Canada, February 18-21, 1997.
9. "Surfactant-Enhanced Subsurface Remediation." Taught one-half day of three day short course for the Atlanta region of the USEPA, Atlanta, Georgia, January 31, 1997.
8. "Risk Based Corrective Action as Applied at Petroleum Sites," lectured for one-half to one day of three day short course for Trust Environmental, Norman, OK, July 25, August 7, August 22, August 28, and October 19, 1996.
7. "Installation Restoration/Groundwater Monitoring and Protection," lecturer for two and one-half days of five day short course for USDOD Army, Kingsport, TN, February 28 to March 4, 1994.
6. "Basic Soil Science," sole lecturer for five days in USDOD Army short course in Schwetzingen (Heidelberg), Germany, January 31 to February 4, 1994.
5. "Subsurface Transport and Fate Processes," lecturer for two days in USEPA short course in Philadelphia, PA, May 6-7, 1992; one day in Kansas City, MO October 14, 1992; two days in Atlanta, GA (May 4-5, 1993).
4. "Environmental Impact Assessment," U.S. Army Corps of Engineers, lecturer for Ground Water Impacts and Surface Water Impacts, Cincinnati, OH--June 20, 1991; Dallas, TX--July 16, 1991; Denver, CO--July 30, 1991; Huntsville, AL--Aug 13, Aug 20, Sept 24, 1991; Huntsville, AL--July 7-8, July 9-10, 1992, May 24-25, 1995.
3. "Environmentally Sound Management of Water Resources", October 24 - November 6, 1990, International Training Center for Water Resource Management, Bangkok, Thailand, lecturer for November 3, 1990.
2. "International Seminar on Environmental Impact Assessment and Management (11th Annual)", July 9-20, 1990, Center for Environmental Management and Planning, University of Aberdeen, Aberdeen, Scotland, presented lectures, chaired panels and small group discussions and served on review panel July 15-20.

1. "Environmental Impact Assessment for Developing Countries", April 2-20, 1990, International Training Center for Water Resource Management, Bangkok, Thailand, lecturer for April 9-11.

PROFESSIONAL SERVICE (SELECTED) (67):

67. Advisory Board, Addis Ababa University Water Center of Excellence, Addis Ababa, Ethiopia, August 17-19, 2017.
66. External Reviewer for Tenure and Promotion for promotion to Associate Professor at Auckland University (Ajit Kumar) and Full Professor at UC Davis (Marion Jenkins), 2015.
65. External Reviewer for Tenure and Promotion to Associate Professor at SMU (Andrew Quicksall) and Peking University, China (Hefa Cheng) 2014.
64. Serve on Examination Committee USEPA TQB (Technical Qualification Board) for promotion of Dr. Scott Huling.
63. UWASH Network Executive Committee, 2013-present.
62. External Reviewer for Tenure and Promotion to Full Professor -- Chair for Emory (Tom Clasen) and University of Texas (Charlie Werth); Distinguished Professor at Virginia (James Smith); promotion to full professor at Colorado School of Mines (Junko Muna Kata), Michigan Tech (Erik Seagren), University College London (Richard Taylor) and Associate Professor at Rhode Island (Vinka Craver) 2013.
61. External Reviewer for Tenure and Promotion to Full Professor – Kara Nelson (UC Berkley); Lianfa Song (Texas Tech) and Associate Professor: Stephen Moysey (Clemson), Jenna Davis (Stanford) 2012.
60. External Reviewer for Julie Zimmerman Ph.D student, Dissertation, May, 2011.
59. External Reviewer for Tenure and Promotion to Full Professor – Catherine Peters (Princeton); Associate Professor, David Edwards (Arizona State) and Promotion to Associate Professor, Clayton Clark (Florida State), 2011.
58. External Reviewer for Tenure and Promotion to Associate Professor (Colorado School of Mines) and Promotion to Full Professor (Oklahoma State), 2010.
57. Member, WASH Panel, Washington, DC Event, March 3, 2010 (visited State, USAID on March 4, 2010).
56. External Advisor Board, University of Illinois NSF Science and Technology Center – WaterCaMPWS (Center for Advanced Materials for Purification of Water with Systems), February 2010 - 2012.
55. External Reader, Maggie Montgomery Dissertation, Yale University, June 2009.

54. NSF Review Panel, Office of International Science and Education (OISE), Jan. 13-14, 2009, Washington, D.C.
53. Review proposal (ACS PRF) - 2008.
52. External Reviewer for Tenure and Promotion to Associate Professor (Alabama, Oregon State) and Promotion to Full Professor (Tennessee, Michigan Tech), 2008.
51. Served on Editor-in-Chief Search Committee for Journal of Surfactants and Detergents, August 2007 to March 2008.
50. Editor-in-Chief – Journal of Contaminant Hydrology. July 1, 2008 - present.
49. Organized “Hydrophilanthropy.” Session at AWRA Meeting, Albuquerque, NM, Nov. 11-15, 2007.
48. Served on University of Arizona Superfund Research Center Science Advisory Board, Sept. 2007 – June 2011.
47. External Reviewer for Tenure and Promotion to Associate Professor (Wyoming) and Promotion to Full Professor (Clemson), 2007.
46. Review proposal (ACS-PERF) and journal articles (16).
45. Served on DuPont Chemical Company Panel “Remediation in 2020.” Wilmington, DE, Sept. 5, 2007.
44. Organized “Point-of-Use Water Treatment for Emerging Regions.” Session at AEESP Meeting, Blacksburg, VA, July 28-August 1, 2007.
43. Book Review, American Society of Civil Engineers, James Mihelcic, “Water Supply and Sanitation Systems for Developing Countries.”
42. Organized “Ground Water in Developing Countries.” Session at NGWA Meeting, Albuquerque, NM, April 29-May 3, 2007.
41. Reviewed Proposal (1 for ACS-PRF) and journal articles (16).
40. Organized Microemulsion Short Course for American Oil Chemists Society Meeting, April 29-30, 2006.
39. Chaired session on “Advanced Microemulsions” at American Oil Chemists Society Meeting, April 30-May 3, 2006.
38. External reviewer for promotion 2006; full professor – University of Buffalo.
37. Invited Member, DuPont Chemical Company Science Advisory Board – Subsurface Remediation, December, 2005-2017, meets twice per year.
36. Board Member, Surfactants and Detergents Division, American Oil Chemists Society, May, 2005-May 2007.

35. Chaired Session on “Surfactant Papers” at American Oil Chemists Society Meeting, May 2-4, 2005, Salt Lake City, UT.
34. External reviewer for promotion 2005: two full professor cases (Rutgers, Iowa State University).
33. Invited Member of NIEHS Superfund Center Review Panel, Research Triangle, NC, Oct 18-20, 2004.
32. Chaired session on “Surfactant Mixtures” of American Oil Chemists Society Meeting, Cincinnati, OH, May 11, 2004.
31. External reviewer for promotion 2003: three associate professor (Vanderbilt, University of Rhode Island, and University of Memphis).
30. Book Review; (1) American Oil Chemists Society.
29. Chaired session on “Advances in Microemulsions” of American Oil Chemists Society Meeting, Kansas City, KS, May 7, 2003.
28. External reviewer for promotion 2003: three full professor (New Mexico, Minnesota, Florida).
27. Book Reviews; (1) American Oil Chemists Society and (1) Wiley, 2003.
26. External reviewer for promotion 2002: one full professor (Michigan Tech) and one associate professor (University of Maryland).
25. Member, City of Norman Total Maximum Daily Load (TMDL) Committee, November 2002 to March 2003.
24. Invited Member, National Research Council Panel evaluating NAPL Source Zone Removal, March 2002 to February 2005.
23. Chaired Session at 8th International Petroleum Environment Conference, Houston, TX, Nov. 6-9, 2001.
22. Editorial Board, Sheffield Academic Press Surfactant Science Series, 2001 to present.
21. Member, City of Norman Long Term Strategic Water Planning Committee, August 1999 to December 2000.
20. External reviewer for tenure and promotion cases in 2000 (5): Tenure: University of Houston, University of Texas, Iowa State University; Full Professor (Purdue); Distinction – Juelich Research Institute, Germany.
19. Member, NSF CAREER Award Review Panel, December 9, 1999, Washington, DC.

18. Member, NIH Superfund Center Review Panel, October 17-20, 1999, Durham, NC.
17. Co-organized "Tricks of the Trade Inside the Classroom" session for 1999 American Society for Engineering Education National Meeting in Charlotte, NC, June 20-23, 1999.
16. Member, NSF Graduate Fellowship Selection Panel, February 5-7, 1999.
15. Member of Committee to formulate/evaluate Fundamentals of Engineering Exam for the National Council of Examiners for Engineering and Surveying, November 1998 to 2001.
14. Associate Editor, Journal of Contaminant Hydrology, 1998 to present.
13. Co-organized "Remediation of NAPL-Contaminated Aquifers" at Fifth International Congress of North America, November 11-15, 1997, Cancun, Quintana Roo, Mexico.
12. Co-organized "Tricks of the Trade Outside the Classroom" session for 1997 American Society for Engineering Education National Meeting in Milwaukee, Wisconsin, June 15-18, 1997.
11. Co-organized "Field Testing of Innovative Subsurface Remediation Technologies" session for 1997 American Chemical Society Meeting in San Francisco, CA, April 13-17, 1997.
10. Member Department of Energy Panel: DNAPL Enhanced Recovery Technical Evaluation, March - July 1996.
9. Co-organized session for 1996 American Society for Engineering Education National Meeting in Washington, DC.
8. Associate Editor (1996 to 2001), Ground Water, Member of editorial board, 1994 to 1996.
7. Formed collaborative research with Chair of Applied Hydrogeology, University of Tubingen, Baden-Wuttemberg, Germany, 1993 to present.
6. At request of American Chemical Society, lead co-organizer of two-day session for Spring 1994 national conference; session entitled "Surfactant Enhanced Subsurface Remediation: Emerging Technologies." March 13-18, 1994, San Diego, CA.
5. Co-organized and co-chaired "Colloid and Interfacial Aspects of Groundwater and Soil Cleanup," four sessions (thirty papers) for the ACS 65th Colloid and Surface Science Symposium, University of Oklahoma, Norman, OK, June 17-19, 1991.
4. Member of Planning Committee and Technology Issues Committee for "Minimizing Environmental Damage: Strategies for Managing Hazardous Wastes," Sponsored by Risk and Decision Processes Center, The Wharton School, University of Pennsylvania, Philadelphia, Pennsylvania, May 30-31, 1990.
3. Reviewed journal articles / reports / books for following:
  - American Chemical Society: ACS Books
  - American Oil Chemists Society: Book Review
  - American Society of Agricultural Engineers
  - American Society of Civil Engineers--Envir. Engr. Divn.

Applied Clay Science  
Chemosphere  
Colloid and Interfacial Science  
Environmental Protection Agency (R.S. Kerr ERL)  
Environmental Engineering and Science  
Environmental Science and Technology  
Environmental Toxicology and Chemistry  
Ground Water  
Ground Water Monitoring and Remediation  
Hydrological Science and Technology  
Journal of American Water Works Association  
Journal of Colloid and Interface Science  
Journal of Contaminant Hydrology  
Journal of Engineering Education  
Journal of Environmental Quality  
Journal of Industrial and Engineering Chemistry  
Journal of Soil Contamination  
Journal of Surfactants and Detergents  
Kluwer Academic Publishers  
Langmuir  
McGraw Hill, Inc.  
Oil Gas Science and Technology  
Separation Science and Technology  
Soil Science Society of America  
Water Environment Research  
Waste Management  
Water Research  
Water Resources Research  
Wiley

2. Review of proposals for:

Department of Defense  
Department of Energy  
Environmental Protection Agency  
National Science Foundation  
National Institute of Environmental Health Sciences (NIEHS)

1. Treasurer of Iowa Groundwater Association, 1986 to 1988.

UNIVERSITY SERVICE (SELECTED) (82):

82. Chair, GCoE Diversity, Equity and Inclusion Council of Excellence, October 2020 – present.
81. Member, President’s Academic Program and Budgetary Advisory Committee, Nov 2018 – May 2020.
80. CEES Committee A – Environmental Representative, Aug 2017-Aug 2020 (minus sabbatical semester Fa’ 19).

79. Member, OU Research Misconduct Committee, 2017.
78. Member, Business College Entrepreneurship Search, 2017.
77. Member, Dean of Graduate College Search, 2017.
76. Member, Campus Wide Environmental Water Cluster Search (3 positions), 2017-2018.
75. Faculty Advisor, OU Davis UWC Scholars, 2017.
74. Chair, WaTER/CEES Search Committee, 2016.
73. Member, OU Vision Trip to Tsinghua University, Beijing, China, June 7-12, 2015.
72. Member, OU Vision Trip to Corix Headquarters, Vancouver, BC, Mar 25-28, 2015.
71. Member, OU Vision Trip for Interdisciplinary Course in Gulu, Uganda and Research in Kigali, Rwanda – April 9-21, 2015.
70. Member, University Water/Environment Leadership search committee, 2015-present.
69. Member, CBME Search Committee – 2014/2015.
68. Chair, WaTER Center Strategic Hire Committee – 2014/2015.
67. Organized Water Prize Jury and WaTER Symposium, September 24-26, 2014.
66. Hosted Manos Anagnostou seminar, May 8, 2014.
65. OU International Scholarship Selection Committee, College of International Studies, March, 2014.
64. Member, College of Business Dean Search Committee – 2013/2014.
63. Developed and taught Janux on-line course as part of OU's Digital Initiative – August 2013 – May 2014.
62. Faculty Advisor, Sooners Without Borders. August 2013-present.
61. Co-organized and co-Chaired Third OU International WaTER Conference and WaTER Prize, September 23-25, 2013.
60. Organized OU Seminar by: Ni-Bin Chang (University Central Florida, September 9, 2013), John McCray (Colorado School of Mines, September 10, 2013), Anup SenGupta (April 12, 2013).
59. Search Committee, Dean College of Business, September 2013 – March 2014.
58. Co-organized WaTER Symposium, September 20-21, 2012; Rita Colwell, Idrissa Dorraune, Ravi Jayaraman, Christine Moe, Marc Parlange and Dennis Warner.

57. Organized OU Seminar by: Kara Nelson (Berkley, January 27, 2012), Jenna Davis (Stanford, April 27, 2012).
56. Search Committee, Director University of Oklahoma Water Survey, Fall 2011.
55. Co-organized Second OU International WaTER Conference and WaTER Prize, October 24-26, 2011.
54. College of Engineering Dean's Senior Advisory/Promotion Committee, November 18, 2011.
53. Organized OU Seminar by: Michael Campana (Oregon State, January 28, 2011), Richard Taylor (University College London, February 10-11, 2011, David Dzomback (Carnegie Mellon, February 16, 2011), Paul Houser (George Mason, February 25, 2011), Steve Silliman (Notre Dame, April 21-22, 2011), Dennis Warner (Catholic Relief Services, December 5, 2011).
52. Co-organized WaTER Symposium, October 15, 2010; Robert Adamski, Diana Betancourt, Jean McCluskey, Jim Mihelcic and Feleke Zewge.
51. Organized OU Seminar by: Benito Marinas (University of Illinois, January 22, 2010), Bill Glaze (North Carolina – retired April 9, 2010), Greg Mortenson (April 21, 2010) Marc and Ann Hall (RDIC, April 23, 2010).
50. College of Engineering Dean's Senior Advisory/Promotion Committee, February 12, 2010.
49. Co-organized inaugural OU International WaTER Conference and WaTER Prize, Oct. 26-27, 2009.
48. Panel Member on UN Day, October 22, 2009.
47. Taught Presidential Dream Course – Honors 2973 – Fall 2009.
46. Member, AME Faculty Search Committee, Spring 2009.
45. Organized OU Seminars by: Dr. Menaecham Elimelech (Yale University, February 19, 2009); Ned Breslin (Water for People, April 17, 2009); Dr. Christine Moe (Emory, Oct. 5, 2009); Dr. Steve Luby (ICDDR,B, Oct. 21, 2009); Dr. Derek Chitwood (China)/ Mr. Henock Gezahegn (Ethiopia) (Oct. 28, 2009) and Dr. Tom Clasen (London College, Nov. 16, 2009).
44. Co-organized WaTER Symposium October 31, 2008; M. Morris, G. Allgood, D. Lantagne, M. Campana and H. Gezahegn – Speakers.
43. Organized Lectures by Franklin Broadhurst (International Rescue Committee, NYC, January 25, 2008), Daniele Lantagne, P.E. (Center for Disease Control and Prevention, Atlanta, GA & London School of Hygiene and Tropical Medicine, April 18, 2008), Dr. Hefa Cheng (Stanford University, August 28, 2008), Dr. Mickey Sampson (Resource Development International, Cambodia, September 8, 2008) and Dr. Edgar Acosta (University of Toronto, November 7, 2008).
42. Member, College of Engineering Dean Evaluation Committee, 2007.

41. Chair, College of Engineering Tenure and Promotion Committee, 2007.
40. Organized Lectures by Dr. Angela Bielefeldt (University of Colorado, February 12, 2007), Mr. Malcolm Morris (LWI/Stewart Title, March 2, 2007), Dr. Jim Smith, University of Virginia, April 4, 2007), Dr. Paul Kleine/Freda Margiloff (October 8, 2007), Dr. Derek Chitwood (IHR/China, November 15, 2007).
39. Invited Talk – Balance in University Career, Teaching Scholars Institute, University of Oklahoma, February 1, 2007.
38. Organized Lectures by Dr. Jim Mihelcic (MTU) and Dr. Derek Chitwood (China), 2006.
37. Member, College of Engineering Tenure and Promotion Committee, 2006.
36. Faculty co-Advisor, Student Chapter of Engineers Without Borders, 2005-present.
35. Member Campus Departmental Review Committee, 2005.
34. Chair, Dean of Engineering Tenure and Promotion Committee, 2004.
33. Chair, Dean of Engineering Tenure and Promotion Committee, 2003.
32. Organized invited talks from John Gierke (Michigan Tech) and Bruce Thomson (University of New Mexico), 2002.
31. Organized 1<sup>st</sup> Larry Canter Distinguished Lecture (Leonard Ortolano, Stanford), 2002.
30. Member, Dean of Engineering Annual Evaluation Committee, 2002.
29. Chair, Dean of Engineering Tenure and Promotion Committee, 2002.
28. University committee on formation of a Teaching Academy, 2001 to 2004).
27. Member, CEES Structures Search Committee – 2001 to 2002.
26. College of Engineering Dean's Tenure and Promotion Committee, 2001.
25. Chair, CEES Director Search Committee, July 2000 to February 2001.
24. OU TA training evaluation (August 2000).
23. Organized OU seminars by Cary Chiou (USGS) and Dick Jackson (Duke Energy).
22. Member, CoE Deans Senior Advisory Committee, September 1999 to May 2001.
21. Chair, Multidisciplinary Engineering (MDE) Committee (CoE), August 1999 to December 1999.
20. Member, CEES Undergraduate Curriculum Committee, September 1999 to present.

19. CEES Committee A – Environmental Member, August 1999 to August 2000.
18. Leader, CEES Junior Faculty Discussion Forum, discussed *Lincoln on Leadership* and developed a “Junior Faculty Strategy for Excellence,” Spring/Summer 1999.
17. Member, International Programs Office committee to develop a campus-wide, international-focused environmental program, August 1999 to May 2001.
16. Co-chair, Graduate College Dean Review Committee, September 1998 to January 1999.
15. Engineering Representative, OU Graduate Council, August 1998 to May 2002.
14. Member, CEES Undergraduate Curriculum Committee, August 1996 to May, 1997 (Chair, August to December 1996).
13. Invited Member, Search Committee for Dean of Engineering College, October 1996 to May 1997.
12. Invited Member, Search Committee for Dean of Honor's College, October 1996 to May 1997.
11. Invited Member, University Research Misconduct Panel, April 1996 to May 1997.
10. Invited Member, University Panel for NSF Proposal "Institutional Quest to Integrate Research and Education," March to November 1996.
9. Environmental Representative to CEES Committee A (Departmental Governing Board), August 1995 to August 1996.
8. Chair, Search Committee, CEES Environmental Vacancy (1994-1995).
7. Invited Member, President's Panel on the Reinvigoration of Undergraduate Education, December 1994 to December 1995.
6. Advisor, Student Chapter-American Society of Civil Engineering (ASCE), July 1994 to December 1995.
5. Supervisor, Chemical Technician Position, School of Civil Engineering and Environmental Science, September 1993 to present.
4. Chairman of Civil Engineering and Environmental Science Scholarship Committee, August 1992 to August 1995.
3. Served on College of Engineering Curriculum Committee, 1989 to 1992, 1995 to present.
2. Designed, equipped and implemented an undergraduate environmental engineering teaching laboratory into the undergraduate curriculum, 1989-1990.
1. Served as research mentor for high school (HS) and undergraduate (UG) students (69):  
69. Vo, S. (UG-Jan to Dec 2017)

68. Dumutu, I. (UG-Aug 2016 to May 2017)
67. Nguyen, D. (Jan to Dec 2015)
66. Wu, Tina (HS-May 2015 to May 2016)
65. Muraleetharan, Veena (HS-May to Aug 2015)
64. Johnston, Jessica (UG-May 2014 to May 2015)
63. Nguyen, Derrick (UG-January 2014 to May 2015)
62. Rogers, Rachel (UG-August 2013 to May 2014)
61. Thornton, Erin (UG-January 2013 to May 2013– McNair)
60. Rice, Ethan (UG-January 2012 to May 2013)
59. Everest, Peter (UG-January 2012 to December 2013)
58. McLeod, Aislinn (UG-August 2011 to May 2012)
57. Eric Tichansky (UG-August 2010 to August 2011)
56. T.J. Moen (UG--January 2010 to August 2010)
55. Katie Kopke (UG--January 2010 to August 2010)
54. Blanchard, Tessa (UG—May 2009 to December 2011)
53. Scott, Chris (UG—May 2009 to October 2009)
52. Salisbury, Megan (UG—May 2009 to December 2011)
51. Sabatini, Peggy (UG—May 2009 to present)
50. Nicole Rowlette (UG—January 2008 to May 2009)
49. Bridgett Neighbors (UG—January 2008 to August 2010)
48. Mackensy Buley (UG—August 2007 to December 2007)
47. Todd Heitmann (UG—August 2007 to May 2010)
46. Brittany Pritchett (UG—January 2007 to December 2008)
45. Kathy Hughes (UG—January 2006 to May 2007)
44. Jonalyn Janey (UG—January to December 2006)
43. Ashley Edelen (UG—September 2005 to May 2007)
42. Caleb Sabatini (HS/UG—June 2005 to present)
41. James Johnson (UG—August 2005 to August 2009)
40. Emily Goodwin (UG—December 2004 to December 2006)
39. Uchenna Odie (UG—August 2005 to May 2006)
38. Christy Gerard (UG--August 2004 to May 2005)
37. Kelly Moore (UG--January 2004 to May 2005)
36. Thu Nguyen (UG--May 2003 to May 2004)
35. Owen Watley (UG--January 2003 to August 2003)
34. Marshall McDaniel (UG--May 2002 to May 2004)
33. Jeff Kyle (UG--Summer 2000 to December 2001)
32. Megan Forrester (UG--Summer 2000 to Fall 2001)
31. Phuong Do (UG--Spring 2000 to May 2002)
30. Siew Ching Chin (UG--Spring 2000 to December 2002)
29. Eleanor Clark (UG--Summer 1999)
28. Gary Spotts (UG--Fall 1998 to December 2000)
27. David Roberts (UG--Fall 1998 to May 1999)
26. Matthew Warren (UG--Fall 1998 to May 1999)
25. Ng Git (UG--Fall 1998 to December 1999)
24. Tuan Doan (UG--Spring 1997 to December 1999)
23. Nathan Whitlock (UG--Summer 1997)
22. Gretchen Gordon (UG--Fall 1996 to December 1996)
21. Sunil Jatkar (UG--Summer 1996 to December 1996)
20. Jason Bailey (UG--Summer 1996 to May 1999)
19. David Lauder (UG--Spring 1996 to May 1998)
18. Micah Goodspeed (UG--Fall 1995 to May 1997)

17. Lance Mills (UG--Summer 1995 to December 1996)
16. Jason Cotton (UG--Spring 1995 to Summer 1996)
15. Justin Wettstein (UG--Fall 1994 to May 1997)
14. De Vu (UG--Fall 1993 to Spring 1994; Fall 1995 to Spring 1997)
13. Kendra Dresback (UG--Fall 1993 to Spring 1994)
12. Clifton Page (HS--Summer 1993)
11. Jennifer Sharp (HS--Spring 1993)
10. Shelly Finley (HS--Fall 1992)
9. Kevin Williams (UG--Fall 1992 to Fall 1993)
8. Neil Deeds (UG--Fall 1992 to Fall 1994)
7. De Vu (HS--Summer 1992)
6. Alicia Douglas (UG--Fall 1991 to Spring 1993)
5. Daniel Wade (UG--Fall 1991 to Summer 1996)
4. Scott Slep (HS--Summer 1991)
3. Michelle Lipe (UG--Spring 1991)
2. Heather Pool (HS--Summer 1990)
1. Mike Hampton (UG--Spring 1990)

AWARDS RECEIVED BY RESEARCH STUDENTS (38):

38. Parichat Phaodhee – Dissertation Excellence Award, OU Gallogly College of Engineering – 2020.
37. Philip Deal – Dissertation Excellence Award, OU Gallogly College of Engineering – 2020.
36. Parichat Phaodhee – American Oil Chemists Society – Ralph Potts Award – 2020.
35. Philip Deal – Nancy Mergler PhD Completion Fellowship – 2019/2020.
34. Anisha Nijhawan – Dissertation Excellence Award, OU Gallogly College of Engineering – 2019.
33. Anisha Nijhawan - Pursuit of Excellence Graduate Student Award, OU Gallogly College of Engineering – 2018.
32. Stephanie Vo – Honors College Award for Distinguished Undergraduate Research for presentation at OU Undergraduate Research Day – 2018.
31. Chodchanok Attaphong – American Oil Chemists Society – Hans Kaunitz Award – 2014.
30. Chodchanok Attaphong – American Oil Chemists Society – Honored Student Award and Manuchehr Eijudi – 2013.
29. Chodchanok Attaphong – American Oil Chemists Society – Ralph Potts Award - 2012
28. Laura Brunson – EPA STAR Fellowship - 2011
27. Laura Brunson – Robert Hughes Centennial Fellowship – OU College of Engineering.
26. Chodchanok Attaphong – American Oil Chemists Society – Surfactant and Detergents

Division Student Travel Award – 2011.

25. Edgar Acosta – American Oil Chemists Society Outstanding Young Scientist Award – 2010
24. Linh Do – American Oil Chemists Society Ralph Potts Award – 2010
23. Linh Do – 3<sup>rd</sup> Place - **2009** Oklahoma Governor’s Cup Business Plan Competition - Graduate Team Section – “Bio-Oil Extraction Business Plan” w/ Greg Khandogin and Nicholas Harrison.
22. Thu Nguyen – American Oil Chemists Society Ralph Potts Award – 2009
21. Chris Cope – NSF Graduate Fellowship – 2009.
20. Laura Brunson, Outstanding Presentation Award, NGWA Ground Water Summit, 2008.
19. Laura Brunson – NSF Graduate Fellowship – 2008.
18. Tri Thanh Phan & Linh Do, American Oil Chemist Society Student Travel Award, 2008.
17. Thu Nguyen – American Oil Chemists Society Manuchehr Eijadi Award, and Honored Student Award (2008)
16. Linh Do, American Oil Chemist Society Honored Student Award and Frank C. Naughton Award, (2007).
15. Anuradee Witthayapanyanon, American Oil Chemist Society Student Travel Award, 2006.
14. Thu Nguyen. Integrated Petroleum Environmental Conference Outstanding Poster Award – 2<sup>nd</sup> Place (2005).
13. Anuradee Witthayapanyanon – American Oil Chemists Society Manuchehr Eijadi Award and Honored Student Award (2005)
12. Edgar Acosta – OU Engineering Outstanding Dissertation Award (2005)
11. Edgar Acosta – SDA Paper of the Year Award for Journal of Surfactant and Detergent -- 2003
10. Edgar Acosta – OU Outstanding Graduate Research Assistant -- 2003
9. Edgar Acosta – American Oil Chemists Society Ralph Potts Award -- 2002
8. Amy Bryce – NSF Graduate Fellowship – 2001
7. Hrissi Karapanagioti – Altrusa Scholarship for International Graduate Women – 1999
6. Hrissi Karapanagioti – OU Cleo Cross Award – 1997
5. Justin Wettstein – NSF Graduate Fellowship – 1997
4. De Vu - NSF Graduate Fellowship -- 1998

3. De Vu – Goldwater Scholarship – 1996
2. Sandeep Nayyar – OU Cleo Cross Award -- 1993
1. Joe Rouse – OU Centennial Ph.D. Fellowship -- 1991