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EDUCATION

PhD in Chemistry (Organometallic Chemistry), December, 1997
Vanderbilt University, Nashville, TN, USA.
Dissertation Title: An Investigation of Fluoroorganometallic Chemistry

M.S. in Chemistry (Organic Chemistry), May 1995
Vanderbilt University, Nashville, TN, USA.
Dissertation Title: Novel Di-Pi Methane Rearrangements

M.S. in Chemistry, August 1990
Indian Institute of Technology, Chennai, India
Dissertation Title: Thio Claisen Rearrangement Reactions

B.S. in Chemistry, August 1988

CONTINUING EDUCATION CREDITS

Synthetic Organic Chemistry: Modern Methods and Strategies, American Chemical Society, 2005
Frontiers in Organic Chemistry, American Chemical Society, 2004

WORK EXPERIENCE

2002 - present	Full Time Residential Faculty, Chandler Gilbert Community College
2001 - 2002	One Year Only Full Time Faculty, Gateway Community College
1998 - 2001	Part Time Faculty, Phoenix Community College
1991 - 1996	Teaching and Graduate Research Assistant, Vanderbilt University

COURSES TAUGHT

Resident Faculty, Chandler Gilbert Community College, 2002 to the present
General Organic Chemistry I and II; Fundamental Organic Chemistry; Fundamental Chemistry;
Chemistry for Allied Health

One Year Only Faculty, Gateway Community College, 2001 - 2002
General Chemistry I and II; Fundamental Organic Chemistry; Fundamental Chemistry

Adjunct Faculty, Phoenix Community College, 1998 - 2001
Fundamental Chemistry; Fundamental Organic Chemistry; General Chemistry I

Graduate Teaching Assistant, Vanderbilt University, 1991 – 1996
General Organic Chemistry I and II (Lab Instructor, Assisted Instruction)

COMMITTEES

1. ASU Curriculum Committee, School of Sustainability, 2009-Present
2. Member, Chemistry Instructional Council, 2011-
3. Member, Chemistry Articulation Task Force Committee, 2011-
4. Chemistry Committee, Chandler Gilbert Community College, 2002 - Present
5. Senator, Faculty Senate Council, Chandler Gilbert Community College, 2006-2010
6. Global Learning Committee, Chandler Gilbert Community College, 2007- 2009
7. Emerging Math and Science Scholars Committee, Chandler Gilbert Community College, 2006 - 2009
8. President's Executive Council, Chandler Gilbert Community College, 2006-2007
9. International Education Committee, Chandler Gilbert Community College, 2002-2005
10. SLOAC, Chandler Gilbert Community College, 2003-2004
11. Chemistry Articulation Task Force Committee, Gateway Community College, 2001-2002
12. Chemistry Instructional Council, Gateway Community College, 2001-2002

GRANTS

1. 2011 CGCC Summer Grant, "General Organic Chemistry Laboratory Manual: Green Chemistry Experiments Adopted from Research for Undergraduate Organic Chemistry"
2. 2011 CGCC Summer Grant, "Interactive Lessons for CHM130 Using SoftChalk™"
3. 2010 CGCC *Summer Grant*, "Fundamental Organic Chemistry Laboratory Manual: Greener Approaches"
4. 2009 *MCCCD Summer Grant*
5. 2008 *MCCCD Summer Grant*, "*Making Sense of Organic Molecules Through Computational Chemistry*" Amount: \$3,490.44 Sole Recipient
6. 2006-2007 *MIL Fellowship* Amount: \$10,000 Sole Recipient
7. 2007 *MCCCD Summer Grant*, "*Achieving Environmental Efficiency and Creativity in Chemistry*" Amount: \$2497.79 Sole Recipient
8. 2007 *Shared Futures: General Education for Global Learning*, funded by American Association of Colleges and Universities, Sole Recipient
9. *Diversity Infusion Grant*, "Role of Women in Chemistry", Sole Recipient
10. 2001-2002 *MCLI Internationalizing the Curriculum Grant* Sole Recipient
11. 2005-2006 *MCLI Learning Grant*, "Virtual Molecular Models.....Where Molecules Become Real" Amount: \$2478.00 Sole Recipient
12. 2004 *MCCCD Summer Grant*, "*Frontiers in Organic Chemistry*" Amount: \$2995.28 Sole Recipient
13. 2002-2003 *MCLI Learning Grant*, "Chemistry Teaching Modules" Amount: \$5000.00 Sole Recipient
14. 2001-2002 *MCLI Learning Grant* "Introduction to The Periodic Table" Amount: \$2250.00 Sole Recipient
15. *MCCCD Travel Grants*, 2001-2002, 2003-2004, 2006-2007, 2007-2008, 2008-2009, 2009-2010
Amount: ~\$2250.00 – 3000.00/year
16. 1998 *MCLI International Education Grant*, Sole Recipient

SELECTED WORKSHOPS/CONFERENCES

1. Summer Institute: “*What the Best College Teachers Do*” (June 18-20, 2008); Facilitator: Dr. Ken Bain; Montclair University, West Orange, NJ
2. Fostering Critical Thinking Across The Curriculum: Practical research based strategies for connecting objectives, teaching, and assessment to improve teaching (April 18, 2008); Facilitator: Dr. Tom Angelo; Mesa Community College, Mesa, AZ
3. Second Life and Educational Uses Of Virtual Reality And Simulations (February 05, 2008); MCCCCD Office, Tempe, AZ
4. Focus The Nation: Climate Change Solutions; “*Building the Green Economy*” (February 05, 2008); Facilitator: Kevin Danaher; Chandler-Gilbert Community College, Chandler, AZ
5. Focus The Nation: Climate Change Solutions (January 28, 2008); Chandler-Gilbert Community College, Chandler, AZ
6. Global Sustainability Day (October 05, 2007), Gateway Community College, Phoenix, AZ
7. Shared Futures: General Education for Global Learning, Sponsored by American Association of Colleges and Universities (July 15-20, 2007), Sonoma State University, CA
8. 223rd American Chemical Society National Meeting (March 25-29, 2007), Chicago, IL
9. “*You have completed a SoTL project. Now what?*” (March 6, 2007); Facilitator: Dr. Kathleen McKinney; Gateway Community College, Phoenix, AZ.
10. Scholarship of Teaching and Learning: Making it real in the classroom (March 6, 2007); Facilitator: Dr. Kathleen McKinney; Gateway Community College, Phoenix, AZ.
11. Spartan (organized by Wavefunction) workshop (March 2007), American Chemical Society National Meeting, Chicago, IL.
12. POGIL (Process Oriented Guided Inquiry Learning) workshop (March 2007), American Chemical Society National Meeting, Chicago, IL.
13. ISSOTL International Conference, International Society for the Scholarship of Teaching and Learning, “*Making a Greater Difference: Connecting to Transformational Agendas*” (November 9-12, 2006); Washington, D.C.
14. Global Sustainability Day (October 4, 2006), Gateway Community College, Phoenix, AZ.
15. The Three Rs: Reading, wRiting and Resource Development (September 30, 2005), Gateway Community College, Phoenix, AZ.
16. Strategies for success (October 30, 2004); Facilitator: Pearson Education, Glendale Community College, Glendale, AZ.
17. 227th American Chemical Society National Meeting (March 27-April 1, 2004, Anaheim, CA
18. 221st American Chemical Society National Meeting (April 1-5, 2001), San Diego, CA.
19. Engaging Students in Active Learning (2001-2002); Facilitator: Melinda Rudibaugh; MCCCCD Office, Tempe, AZ.
20. Adventures in Attitudes, An Empowerment Strategy for Today and Tomorrow’s Workplace (September 6, 2002), Chandler, AZ.
21. Using Student Portfolios to Promote Learning (May 20-24, 2002), ASU Summer Institute on College Teaching, Arizona State University, AZ.
22. 2002 Innovations Conference, League for Innovation in the Community College (March 17-20, 2002), Boston, MA.
23. Performance-Based Assessment: Papers, Projects, and Portfolios (February 1, 2002), Estrella Community College, AZ.

24. Panelist, Young Women's Initiative, A Partnership between Scottsdale Healthcare and Scottsdale Prevention Institute (February 2, 2002), Mountainside Middle School, Scottsdale, AZ.

SELECTED PRESENTATIONS

Invited Presentations (1-5) and Peer Reviewed Presentations (6-13)

1. Paul Elsner Lecture Community College Scholar Speaker Series, (February 26, 2009), "Conserving for Today, Planning for Tomorrow – Catchy Slogan or Needless Deception", Mesa Community College Center for Teaching and Learning, Mesa, AZ
2. Sustainability Learnshop Presentation, "Chemical Sustainability – "A Necessary Attitude or Needless Jargon", (February 17, 2009), Maricopa Center for Teaching and Learning, Phoenix, AZ
3. MCLI Dialogue Day - The Art of Engagement, "An Adventure in Stereochemistry", (February 20, 2009), Rio Salado College, Phoenix, AZ
4. Sustainability in the Classroom, "Exemplary Examples of Lessons in Sustainability and Student Driven Projects" (September 26, 2008), Rio Salado Conference Center, Phoenix, AZ
5. 14th Green Chemistry and Engineering Conference, "Chemistry Curriculum Changes Bright Green" (June 22, 2010), Washington D.C.
6. 2010 Teaching and Learning with Technology Conference, "Can Virtual Molecules Be Real?" (May 18, 2010), Mesa Community College, Mesa, AZ
7. 8th Annual Lilly Conference on College and University Teaching and Learning, Millennial Learning: Teaching In The 21st Century, "Think Globally, Teach Locally: Infusing Undergraduate Science Curriculum with Social, Economic and Environmental Issues" (September 19, 2008), Lilly conference, Traverse city, MI
8. Maricopa Sustainability Day, "Guide to Sustainable Living" (April 10, 2008), Chandler Gilbert Community College, Chandler, AZ
9. 26th Annual Lilly Conference on College Teaching, "Computer Modeling and Spatial Recognition in Chemistry Classrooms", Interactive Session (November 17 – November 19, 2006), Miami University, Oxford, OH
10. MIL Showcase Poster Presentation "Globalization of Organic Chemistry Curriculum", (April 18, 2008), Mesa Community College, Mesa, AZ.
11. Global Sustainability Conversations: Faculty and Student Showcase "New Directions in Teaching Chemistry Fostering Environmental Consciousness in Chemistry Classrooms", (April 13, 2007); MCCCCD Office, Tempe, AZ.
12. Teaching and Learning Conference "Globalization of General Science Curriculum" (August 17, 2007); Mesa Community College, Mesa Community College, Mesa, AZ.
13. Chemistry Instructional Council Presentation "Combinatorial Thinking in Organic Chemistry Laboratories", (2002), Gateway Community College

Poster Sessions

1. "Chemistry Curriculum Changes Bright Green", 14th Annual Green Chemistry and Engineering Conference (June 22, 2010), Washington, D.C.
2. "Globalization of Organic Chemistry Curriculum", MIL Showcase Poster Presentation (April 18, 2008), Mesa Community College, Mesa, AZ.

3. Global Sustainability Conversations: Faculty and Student Showcase (April 13, 2007); District Office, Tempe, AZ.
4. "*Globalization of General Science Curriculum*" (August 17, 2007); Mesa Community College Teaching and Learning Conference, Mesa Community College, Mesa, AZ.

Current Professional Memberships/Networks

American Chemical Society, 1993-present
Green Chemistry Network, 2009-present
Green Chemistry Education Network, 2008-present

Awards

Building Excellence Faculty & Employee Development Award, Chandler-Gilbert Community College, 2005-2006; 2008-2009