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EDUCATION

- July 2002 *DIOCESE OF SHREVEPORT GRECO INSTITUTE Shreveport, LA*
Certificate in Catholic Studies
- May 1991 *UNIVERSITY OF TENNESSEE Knoxville, TN*
Ph.D. Organic Chemistry 3.97/4.0
Polymer-Based Substrates for Potential Generation of Nitrogen-13 for PET
- May 1987 *INDIANA UNIVERSITY OF PENNSYLVANIA Indiana, PA*
B.S. Chemistry / Minor Mathematics 3.94/4.0 (*Summa Cum Laude*)

EXPERIENCE

- August 2004-Present *LOUISIANA STATE UNIVERSITY Shreveport, LA*
Professor, Organic and Polymer Chemistry
- August 1999-August 2004 Associate Professor, Organic and Polymer Chemistry
- July 1994-August 1999 Assistant Professor, Organic and Polymer Chemistry
- January-May 1994 *KUTZTOWN UNIVERSITY Kutztown, PA*
Temporary Assistant Professor, Organic Chemistry
- June 1991-December 1993 *LAWRENCE BERKELEY LABORATORY Berkeley, CA*
Postdoctoral Research Assistant at the National Tritium Labeling Facility
- June 1992-June 1993 Special Staff Scientist at the Center for Functional Imaging
- December 1987-May 1991 *UNIVERSITY OF TENNESSEE Knoxville, TN*
Graduate Research Assistant
- August 1990-May 1991 Graduate Teaching Assistant, Honors General Chemistry Laboratory
- August 1988-February 1990 200 MHz Nicolet NMR Spectrometer Instrument Operator
- August 1987-May 1988 Graduate Teaching Assistant, General Chemistry Laboratory

ADDITIONAL EXPERIENCE DURING POST-GRADUATE AND GRADUATE TRAINING

- August-December 1993 *VISTA COLLEGE Berkeley, CA*
General Chemistry Instructor and Biotechnology Curriculum Coordinator
- September-November 1992 *SANDOZ LTD. Basle, Switzerland*
Visiting Scientist
- June-August 1992 *CALIFORNIA STATE UNIVERSITY Hayward, CA*
General Chemistry Instructor
- October 1989-August 1990 *CTI CYCLOTRON SYSTEMS, INC. Berkeley, CA*
Consultant
- March-August 1990 *UNIVERSITY OF CALIFORNIA Berkeley, CA*
Visiting Scholar

ADDITIONAL TRAINING

1996	Workshop: NMR Concepts
1995	Workshops: NMR Concepts, Waters HPLC, LaSER Grant Writing
1992	Workshops: Mattson-Cahn Instruments, National Tritium Labeling Facility
1989	Course: CTI/Siemens Targetry

HONORS

Omicron Delta Kappa (2002); LSUS Outstanding Faculty Award for Service (2001); LSUS Outstanding Faculty Award for Research (1998); IUP College of Natural Sciences & Mathematics Alumni Ambassador Award (1997); Phi Kappa Phi Honor Society (1997-Present); Recognized as an Accomplished Woman in Shreveport Area by KDAQ Radio during National Women's Week (1997); LSUS Outstanding Faculty Award for Teaching (1996); National Research Service Award (1992); UT Departmental Merit Awards (1988, 1989); Society of Analytical Chemists of Pittsburgh Undergraduate Award to an Outstanding Senior (1987); Science Alliance Summer Research Fellowships (1986, 1987); IUP Academic Achievement Awards (1985, 1986, 1987); IUP Honor Student; Dean's List (1983-87); Kappa Delta Pi Educational Honor Society (1984-85)

ACTIVITIES

Professional: American Chemical Society (1985-Present); ACS Organic Division (2001-Present); Northwest Louisiana ACS (1994-Present; Chair-Elect 1998; Chair 1999, 2002; Secretary 2000-Present); Louisiana Academy of Sciences (1997-Present); ACS Nuclear Chemistry and Technology Division (1993-2000); 211th ACS National Meeting, Co-Chair Organic Session (1996); Council on Undergraduate Research (1994-1996); ACS Polymer Division (1988)

LSU-S: Elected to Admissions and Standards Committee (2003-Present); Elected to Faculty Senate (1999-03; Secretary 2001-02); Elected to Policy and Personnel Committee (2000-03); University Courses and Curricula Committee (1995-98; Secretary 1997-98); Vision and Quest Task Force (1996-97); Task Force on Advising (1996-97); College of Sciences Courses and Curricula Committee, Chair (1996-Present); College of Sciences Graduate Council (2000-Present); College of Sciences Scholarship Committee (2001-Present); Health Sciences Advisory Committee (1995-97); Chemistry Club Faculty Co-Sponsor (1994-95; 1998-Present); Catholic Student Union Faculty Sponsor (1996-99; 2000-Present)

Community: Catholic Diocesan Pastoral Council (1997-99; 2000-03); St. Mary of the Pines Education Board (1998-00); Science Fair Judge (1995-96, 1998-01, 2003); VBS Volunteer/Teacher (1995, 1997, 2000-Present); Greco Institute GIFT Adjunct (1998-00)

REFERENCES

Furnished upon request

PUBLICATIONS

1. "Synthesis of [$^{13}\text{C}_6$]Poly(styrene) for PET," Zippi, E.M. and Kamperman, E. Proceedings of the Louisiana Academy of Sciences, in press.
2. "Preparation of a Carbon-13 Target Material from C-13-Benzene," Zippi, E.M. and Pilcher, A. Proceedings of the 9th International Workshop on Targetry and Target Chemistry, Turku, Finland, May 2002.
3. "Differential Scanning Calorimetry of Styrene-Based Polymers," Hoffmeyer, M.R.; Jones, G. and Zippi, E.M. J. Undergrad. Chem. Res., **2002**, 3, 137.
4. "Synthesis of ^{13}C -Labelled Cinnamionitrile," Zippi, E.M. and Kamperman, E. J. Labelled Compds. and Radiopharm., **2002**, 45, 103.
5. "Synthesis of [$^{13}\text{C}_6$]Styrene," Zippi, E.M. J. Labelled Compds. and Radiopharm., **2001**, 44, 757.
6. "Multi-Particle Bombardment and In-target Chemistry of Porous Carbon Materials," Alvord, C.W.; Bida, G.T.; Wieland, B.W. and Zippi, E.M. Proceedings of the 7th International Workshop on Targetry and Target Chemistry, Heidelberg, Germany, June 1997.
7. "Decomposition of Carbon-Rich Target Materials," May, R.; Alvord, C.W.; Zippi, E.M. and Bida, G.T. Proceedings of the 7th International Workshop on Targetry and Target Chemistry, Heidelberg, Germany, June 1997.
8. "Independent Organic Laboratory Experiments," Zippi, E.M. and Rogers, D. J. College Science Teaching, **1997**, 26:6, 374.
9. An Advanced Undergraduate Multistep Synthesis of Poly(Styrene)," Zippi, E.M., Grover, J., Valiulis, M.B. and Cheek, H.C. Microchemical Journal, **1997**, 55.
10. "Synthesis, Characterization and Pyrolysis of Poly(Styrene) Derivatives," Zippi, E.M. and Kabalka, G.W. Carbon, **1996**, 34, 1539.
11. "Functionalization of Cross-linked Poly(Styrene) in the Preparation of a PET Target Material," Zippi, E.M., Grover, J., Valiulis, M.B., Tibbets, C. and Kabalka, G.W. Appl. Radiat. Isotopes, **1996**, 47, 513.
12. "Biotechnology at Vista College," Zippi, E.M. and Deneris, J. J. College Science Teaching, **1995**, 25:2, 86.
13. "Synthesis of Carbon-13 Sulfonated Poly(Styrene/Divinylbenzene) for Production of a Nitrogen-13 Target Material," Zippi, E.M., Valiulis, M.B. and Grover, J. Proceedings of the 6th International Workshop on Targetry and Target Chemistry, Vancouver, B.C., August 1995.
14. "Preparation and Use of Lithium Tritide and Lithium Trimethoxyborotritide," Zippi, E.M., Andres, H., Morimoto, H. and Williams P.G. Synth. Commun., **1995**, 25:17, 2685.
15. "Deiodination Reactions using Tributyltin Hydride for Potential Labelling Experiments," Zippi, E.M., Plourde, II., G.W. and Satyamurthy, N. J. Labelled Compds. and Radiopharm., **1995**, 36:4, 361.
16. "Application of Fullerenes in Biomedical Imaging," Bida, G.T.; Satyamurthy, N. and Zippi E.M. Chemists' Views of Imaging Centers, Emran, A.M. et al., Plenum Press, New York, 1995, 323.

17. "Carrier-Free Tritide Reagents from Lithium Tritide," Andres, H., Morimoto, H., Williams, P.G. and Zippi, E.M. Synthesis and Applications of Isotopically Labelled Compounds, Allen, J. and Voges, R., Wiley, New York, 1995, 83.
18. "Lithium Hydride and Lithium Trimethoxyborohydride: A Comparative Study of Their Reducing Power," Zippi, E.M. Synth. Commun., **1994**, 24:17, 2515.
19. "Preparation and Use of Tritiated Schwartz' Reagent ($ZrCp_2Cl^3H$)," Zippi, E.M.; Andres, H.; Morimoto, H. and Williams, P.G. Synth. Commun., **1994**, 24:7, 1037.
20. "[^{13}N]Ammonia Production via Deuteron Irradiation of Buckminsterfullerene," Bida, G.; Satyamurthy, N. and Zippi E. Proceedings of the 5th International Workshop on Targetry and Target Chemistry, Brookhaven, NY, September 1993, 183.
212. "Deuteron-Irradiation of Carbonized Poly(Styrene/Divinylbenzene) Resins for In-Target Production of N-13 Ammonia," Zippi, E.; Kabalka, G.; Bida, G.; Satyamurthy, N. and Wieland, B. Int. J. Radiat. Appl. Instrum. Part A **1992**, 43, 1363.
22. "In-Target Production of N-13 Ammonia via Proton Irradiation of Dilute Aqueous Ethanol and Acetic Acid Mixtures," Wieland, B.; Bida, G.; Padgett, H.; Hendry, G.; Zippi, E.; Kabalka, G.; Morelle, J-L.; Verbruggen, R. and Ghyoot, M. Int. J. Radiat. Appl. Instrum. Part A **1991**, 42, 1095.
23. "Development of Carbonized Polymer Beads for Generation of Nitrogen-13," Zippi, E.M.; Bida, G.T.; Wieland, B.W. and Satyamurthy, N. Proceedings of the 4th International Workshop on Targetry and Target Chemistry, Villigen, Switzerland, September 1991.

ABSTRACTS

1. "Preparation and Analysis of Brandy from Wine," Thompson, C., Barrow, B. and Zippi, E.M. LA Academy of Sciences Meeting, Lake Charles, LA, March 2004.
2. "Crystalline Melt Temperature Analysis of Styrene-Based Polymers," Moore, C.R., Jones, G. and Zippi, E.M. LA Academy of Sciences Meeting, Gonzales, LA, March 2003.
3. "Thermal Analysis of ^{13}C -Enriched Styrene-Based Polymers," Jones, G. and Zippi, E.M. LA Academy of Sciences Meeting, Baton Rouge, LA, March 2002.
4. "Synthesis of Poly(styrene) for PET," Zippi, E.M. and Kamperman, E. LA Academy of Sciences Meeting, Monroe, LA, February 2001.
5. "Pyrolysis of Poly(styrene sulfonic acid) for Application in PET," Zippi, E.M. and Hoffmeyer, M. LA Academy of Sciences Meeting, Shreveport, LA, February 2000.
6. "Sulfonation of Porous Poly(styrene) for use in PET," Zippi, E.M.; May, R.; Hoffmeyer, M.; Landry, P.; Stone, H. and Thompson, J. LA Academy of Sciences Meeting, Monroe, LA, February 1999.
7. "Nitrogen-13 Production from Porous Poly(Styrene/Divinylbenzene) for use in Positron Emission Tomography," Chambers, E.; Hoffmeyer, M.; Brewster, C. and Zippi, E.M. 215th National ACS Meeting, Dallas, TX, March 1998.
8. "Exchange Capacities of Ion Exchange Resins in the Preparation of a PET Target Material," May, R. and Zippi, E.M. LA Academy of Sciences Meeting, Alexandria, LA, February 1997.

9. "Sulfonation Methods for Poly(Styrene/Divinylbenzene)," Cheek, H.C., Tibbets, C. and Zippi, E.M. 211th National ACS Meeting, New Orleans, LA, March 1996.
10. "Dehalogenation Through Hydride Chemistry: Results of 2,4-Dinitro-1-iodobenzene at Room Temperature and at -10 °C Using Tributyltin Hydride," Plourde, II, G. and Zippi, E. 71st Pennsylvania Academy of Science Meeting, White Haven, PA, April 1995.
11. "The Biotechnology Technician Program at Vista College," Zippi, E.M. and Deneris, J. 50th Southwest Regional ACS Meeting, Fort Worth, TX, November 1994.
12. "Lithium Tritide: Tritium Labelling via Hydride Chemistry," Zippi, E.M.; Andres, H.; Williams, P.G. and Morimoto, H. 25th Central Regional ACS Meeting, Pittsburgh, PA, October 1993.
13. "Application of Tritiated Schwartz' Reagent ($ZrCp_2Cl^3H$) for Labelling of Macrocyclic Molecules," Zippi, E.M.; Andres, H.; Williams, P.G. and Morimoto, H. 205th National ACS Meeting, Denver, CO, April 1993.
14. "Tritiated Tin Hydrides and Silanes," Jaiswal, D.K.; Zippi, E.M.; Morimoto, H.; Williams, P.G. and Andres, H. International Symposium on Tritium Synthesis, NMR and Applications: International Isotope Society and the Kent and Surrey Collaborative Project in Magnetic Resonance, University of Surrey, Guildford, U.K., July 1992.
15. "Tritium Incorporation Through the Use of Hydride Chemistry," Zippi, E.M.; Andres, H.; Williams, P.G. and Morimoto, H. 203rd National ACS Meeting, San Francisco, CA, April 1992.
16. "Development of Polymer-Based Substrates for the Potential Generation of Nitrogen-13 for Application in Positron Emission Tomography," Zippi, E.; Kabalka, G.; Wieland, B.; Bida, G. and Satyamurthy, N. 201st National ACS Meeting, Atlanta, GA, April 1991.
17. "Efficient In-Target Production of N-13 Ammonia Using Intense Proton Beams on Dilute Mixtures of Ethanol and Natural Water," Wieland, B.; Bida, G.; Padgett, H.; Hendry, G.; Zippi, E.; Kabalka, G.; Morelle, J-L.; Verbruggen, R. and Ghyoot, M. 8th International Symposium on Radiopharmaceutical Chemistry, Princeton, NJ, June 1990 (Addendum to submitted abstract "An Automated Labelled Compounds Production System for Positron Emission Tomography").
18. "Synthesis of Compounds Capable of Aromatization," Zippi, E. and Patsiga, R. Intercollegiate Student Chemists' Convention, University of Delaware, April 1987.

PRESENTATIONS

1. "The Grignard Reaction: Why is Doing it in the Lab Harder than it Appears to be on Paper" Zippi, E. Department of Chemistry & Physics Seminar Series, Louisiana State University, Shreveport, LA, March 8, 2001.
2. "Optimization of a Grignard Reaction," Zippi, E. Department of Chemistry, Indiana University of Pennsylvania, Indiana, PA, August 7, 2000.
3. "Preparation and Use of Two Tritide Reagents," Zippi, E. American Chemical Society Northwest Louisiana Section, Shreveport, LA, October 27, 1998.
4. "Carbon Materials used for Production of Nitrogen-13 for PET," Zippi, E. Department of Chemistry Seminar Series, Centenary College, Shreveport, LA, April 14, 1998.

5. "Radiopharmaceuticals used in PET," Zippi, E. Department of Chemistry & Physics Seminar Series, Louisiana State University, Shreveport, LA, March 2, 1998.
6. "Women in Science," Zippi, E. Department of Chemistry, Indiana University of Pennsylvania, Indiana, PA, October 17, 1997.
7. "Advanced NMR Techniques for Sophomore Organic," Zippi, E. Department of Chemistry & Physics Seminar Series, Louisiana State University, Shreveport, LA, February 27, 1997.
8. "Biomedical Applications of Radiochemistry," Zippi, E. Department of Chemistry, Jackson State University, Jackson, MI, November 15, 1996.
9. "Women Scientists in the 20th Century," Zippi, E. Department of Chemistry & Physics Seminar Series, Louisiana State University, Shreveport, LA, September 17, 1996.
10. "Nuclear Chemistry in Medicine," Zippi, E. Department of Chemistry, Indiana University of Pennsylvania, Indiana, PA, April 3, 1996.
11. "Interpretation of 2D NMR Spectra," Zippi, E. Department of Chemistry & Physics Seminar Series, Louisiana State University, Shreveport, LA, October 3, 1995.
12. "Applications of Radiochemistry in Nuclear Medicine," Zippi, E. Biomedical Research at LSU Medical Center, Louisiana State University, Shreveport, LA, February 3, 1995.
13. "Medical Applications of Radiochemistry," Zippi, E. Department of Chemistry and Physics, Louisiana State University, Shreveport, LA, February 18, 1994.
14. "Applications of Nuclear Chemistry in Medicine," Zippi, E. Department of Chemistry, Kutztown University, Kutztown, PA, December 10, 1993.
15. "Polymer-Based Substrates for Generation of Nitrogen-13/Advances in Tritide Chemistry," Zippi, E. Department of Chemistry, California State University, Hayward, CA, April 22, 1992.
16. "Advances in Hydride Chemistry," Zippi, E. National Tritium Labeling Facility, Lawrence Berkeley Laboratory, Berkeley, CA, August 30, 1991.
17. "Polymer-Based Substrates for the Potential Generation of Nitrogen-13 for Positron Emission Tomography," Zippi, E. The University of Tennessee Medical Center Biomedical Imaging Center, Knoxville, TN, April 4, 1991.
18. "Isotope Production for Positron Emission Tomography," Wieland, B.; Bida, G.; Zippi, E. Bio-Rad Laboratories, Richmond, CA, October 5, 1990.
19. "Use of Carbon-13 Enriched Poly(Styrene/Divinylbenzene) Resins for Cyclotron Production of Nitrogen-13 for Applications in Positron Emission Tomography," Zippi, E. CTI Cyclotron Systems, Berkeley, CA, December 7, 1989.
20. "Generation of Nitrogen-13 via Proton Irradiation of Carbonized Polymers," Zippi, E. The University of Tennessee Medical Center Biomedical Imaging Center, Opening Ceremony, Knoxville, TN, June, 1988.