

Lourdes E. Echevoyen

Director, Campus Office of Undergraduate Research Initiatives (COURI)

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Director, BUILDing SCHOLARS Center

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EDUCATION

University of Miami, Coral Gables, FL	B.S.	Major: Chemistry Minor: Mathematics	1982
University of Miami, Coral Gables, FL	Ph.D.	Physical Chemistry	1990

DISSERTATION

Lariat Ethers: From Electrochemically Enhanced Cation Transport to Supramolecular Assemblies

LANGUAGES

Fully proficient in both English and Spanish (speak, read and write)

PROFESSIONAL POSITIONS

Date	Title(s)	Employer
Oct 2014 – present	Director and Principal Investigator, BUILDing SCHOLARS Center (NIH funded)	University of Texas at El Paso 500 West University Ave. El Paso, TX 79968 915-747-5725
Aug 2010 – present	Director, Campus Office of Undergraduate Research Initiatives & Research Associate Professor of Chemistry	University of Texas at El Paso 500 West University Ave. El Paso, TX 79968 915-747-5725
Oct 2008 – Aug 2010	Manager, Global Education and Exchanges & Director, International Research Experiences for Undergraduates Exchange Program	American Chemical Society Office of International Activities 1155 Sixteenth Street, NW Washington, DC 20036 202-872-4088
Jan 2008 – Oct 2008	Consultant	American Chemical Society Education Division and Office of International Activities

		1155 Sixteenth Street, NW Washington, DC 20036 202-872-4587
Aug 2003 – Dec 2007	Director, Undergraduate Research Program	Clemson University Department of Chemistry 219 Hunter Laboratories Clemson, SC 29634-0973 864-656-3065
1998 – 2001	Post-doctoral Research Associate & Lecturer	University of Miami Department of Chemistry 103 Memorial Drive Coral Gables, FL 33146-0431 305-284-2174
1993 – 1996	Science Teacher	Belen Jesuit Preparatory School 500 SW 127 th Ave Miami, FL 33184 305-223-8600

OTHER POSITIONS

Date	Title	Employer
1987 – 1989	Teaching Assistant, Nuclear Magnetic Resonance Facilities	University of Miami, Department of Chemistry
1985 – 1987	Research Assistant	University of Miami, Department of Chemistry
1984 – 1985	Teaching Assistant, General & Physical Chemistry Laboratories	University of Miami, Department of Chemistry
1984 -1985	Science, Mathematics & Spanish Tutor	Jacksonville, FL
1983	Undergraduate Teaching Assistant, Organic Chemistry Laboratories	University of Miami, Department of Chemistry
1980 – 1982	Undergraduate Research Assistant	University of Miami, Department of Chemistry

TEACHING EXPERIENCE

Workshops

- Responsible Conduct of Research in the Context of Dual Use
- Communicating Research to Technical & Non-technical Audiences
- The Research Notebook and Writing Research Reports

- Developing a Professional Path
- Why, When and How: Applying to Graduate School
- Preparing Abstracts and Conference Presentations
- Mentoring Triads in Science (Faculty - Graduate Students - Undergraduate Students)

Higher Education Courses

- General Chemistry Honors I & II
- General Chemistry I & II
- General Chemistry I & II for non-science majors
- Lectures in Physical Chemistry
- ESR Spectroscopy Basic Principles and Application/ Instrument Operation Instructor
- Physical Chemistry Laboratory
- Advanced Physical Chemistry Laboratory
- Organic Chemistry Laboratory
- General Chemistry Laboratory

OTHER PROFESSIONAL SKILLS

- Grant writing
- Grant management
- Editing (English and Spanish)
- Proposal review
- Symposium organization
- Leading faculty and staff teams
- Web design and maintenance
- Laboratory equipment glassblowing
- Operation and maintenance of large chemical instrumentation: High Performance Liquid Chromatographers, Gas Chromatographers, Electron Spin Resonance Spectrometers, Nuclear Magnetic Resonance Spectrometers, Electrochemical Analyzers, Atomic Absorption Spectrophotometers

OTHER PROFESSIONAL & SERVICE ACTIVITIES

- Co-Chair, NIH Diversity Program Consortium Executive Steering Committee (October 2015-)
- Member, Provost Advisory Board for UTEP Edge (September 2015 -)
- Ad-hoc member, NIH Study Section for R25 Proposals (May 2017)
- Co-convener, Working Group for “Reducing Achievement Gaps in STEM International Conference” (NSF-funded), Arlington, VA (May 2017)
- Member, Latino Alcohol and Health Disparities Research Center Advisory Board (Jan 2015-)
- Member, UTEP Mexico Engagement Task Force, (September 2014-2015)
- Member, Internal Advisory Committee, NIDA funded UTEP VIDA (Vulnerability Issues in Drug Abuse) Project (September 2013-)

- Director, UTEP-Shantou University (China) Summer Research Exchange Program for Chemistry Undergraduates (May 2012 -)
- Chair, Undergraduate Research Committee, Provost STEM Council, University of Texas at El Paso, (October 2011-2015).
- Member, Task Force & Planning Committee – NSF funded ChemEd Bridges Workshop “Facilitating Student Transfer Between Two and Four Year Institutions”, (Oct 2011-May 2013).
- Member, Global Readiness Task Force – Jointly between the Committee on Economic and Professional Affairs and the International Activities Committee, American Chemical Society, (2011-2012).
- Organizer, Symposium on “Water, Energy, Health and Education: Working Together for Global Solutions”, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, (April 8, 2012)
- Co-organizer symposium on Fullerenes and Supramolecular Chemistry, 43rd IUPAC Congress, San Juan, PR, (July 31-August 6, 2011).
- Organizer, Spring and Summer COURI Symposia, University of Texas at El Paso, (2011-present).
- Editor, COURI Symposium Online Abstract Series, University of Texas at El Paso, (2011-present).
- Member, Committee on Minority Affairs, American Chemical Society, (2010-present) and Chair, Communications Sub-Committee, (2012-2014).
- Member, Committee on International Activities of the Division of Chemical Education, American Chemical Society, (2010-present).
- Associate Member, International Activities Committee, American Chemical Society, (2010-2011).
- Recruiter for the American Chemical Society International REU program in Chemistry, Southwest Regional Meeting (SWRM) of the American Chemical Society, El Paso, TX, (November 4-7, 2009).
- Judge, undergraduate research presentations in chemistry, Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) National Research Conference, Washington, DC, (October 30, 2009).
- Recruiter for the American Chemical Society International REU program in Chemistry, Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference, Dallas, TX, (October 15-18, 2009).
- Judge, undergraduate research presentations in physical chemistry, Southeastern Regional Meeting of the ACS (SERMACS), San Juan, PR, (October, 2009).
- Reviewer of Spanish translations and recorder of podcasts (female voice) for ACS National Chemistry Week: Nuevos Combustibles, Atomos, & Elementeo, (2008 & 2009).
- Organizer, ACS International REU symposia, ACS National Fall Meetings (2008-2010).
- Review panelist, National Science Foundation -Science & Technology Centers, Research Experiences for Undergraduates Program, Math & Science Partnership Program, Scholarships in STEM Program, (2005-present).
- Recruiter for Graduate and REU programs in Chemistry at Clemson University, University of Puerto Rico - Rio Piedras, Cayey, Humacao, and Mayaguez. Recruiting presentation conducted in English and Spanish, (January & October 2007).

- Sabbatical replacement advisor to the Student Affiliates Chapter of the American Chemical Society (SAACS) at Clemson University, (2004-2005).
- Member, Committee of Undergraduate Curriculum, Clemson University, Chemistry Department, (August 2004-2008).
- Editor, Summer Undergraduate Research Program Final Symposium Abstract Books, (2003-2007).
- Organizer, College-wide REU Symposia, Clemson University, (2003-2007).

HONORS AND AWARDS

- DOE: “Consortium for Integrating Energy Systems in Engineering and Science Education (CIESESE)”. Award No DE-NA0003330 (Sub-award from Universidad del Turabo, PR) - PI/Director
- NSF-DUE: “Achieving Career Success in Science through Excellence (ACSScellence)”. Award No 1565063 (2016-2020) - PI
- NIH-NIGMS: “BUILDing SCHOLARS”. Three linked awards: RL5MD009592, TL4MD009630, and UL1MD009598 (2014-2019) - PI/Director
- HHMI: “Program to Educate and Retain Students in STEM Tracks (PERSIST)”. Award No 52008125 (2014-2019) - Co-PI/Co-Director
- Award for Outstanding Performance in Securing Extramural Funding - Leadership Category, Office of Research and Sponsored Projects, University of Texas at El Paso (2014)
- NIH-NIMHHD: “Building Infrastructure Leading to Diversity: Southwest Consortium of Health Oriented Education Leaders and Research Scholars”. Planning Grant Award No 1P20MD008700-01 (2013-14) - PI
- NSF-DUE-TUES: “Novel Research-Teaching Integration Strategies for Undergraduate Student Participation and Success in STEM Disciplines”. Award No 1140469 (2012-2015) - Co-PI
- NSF-DUE-S-STEM: “Student Mentoring to Achieve Retention: Triads in Science (SMARTS)”. Award No DUE-1153832 (2012-2016) - Co-PI
- NIH-NIDA: “Summer Mentoring and Research Training: Methods in Neuroscience of Drug-Abuse (SMART-MIND)”. Award No 1R25DA033613-01 (2012-2017) - Co-PI
- NSF-OCI: “Collaborative Research: CI-Team Diff: The Virtual Learning Commons: STEM Research Communities Learning about Data Management, Geospatial Informatics, and Scientific Visualization”. Award No OCI-1135525 (2011-2014) - Co-PI
- NSF-REU: “iREU Site: Building International Bridges for US Chemistry Undergraduates” Award No CHE-0755206 (Supplement 2009-2010) – through B. Miller, surrogate PI.
- NSF-REU: “Chemistry REU Site at Clemson: a Summer Undergraduate Research Program (SURP)”. Award No DMR- 0755005 (2008-2010) through M. Cooper, surrogate PI
- Award of Excellence for Teaching in the Sciences, Clemson University (2007)
- NSF-REU: “Chemistry REU Site at Clemson: a Summer Undergraduate Research Program (SURP)”. Award No CHE-0453318 (2005-2007) - PI

SUPERVISORY EXPERIENCE

- University of Texas at El Paso, Campus Office of Undergraduate Research Initiatives (COURI)

Alina Nunez	Assistant Director of COURI	Oct 2010 - Sep 2013
Karina Canaba	Program Manager of COURI	July 2012 - Sep 2013
Luis Gutierrez	Work-study - Web Design & Maintenance	Jan 2012-Aug 2013
Karina Canaba	Assistant Director of COURI	Sep 2013 - present
Eduardo Corral	Work-study - Web Design & Maintenance	Jun 2012 - Sep 2012
Hector Daniel Villareal	Work-study - Web Design & Maintenance	Sep 2012-May 2013
Brenda Velazquez	Program Manager	Sep 2013 - Mar 2015
Ruben Chavez	Work-study - Administrative & Web Support	June 2013-Dec 2014
Nallely Medina	Work-study - Web Desing & Maintenance	Sep 2013-present
Erin Messermith	Project Specialist - BUILD Planning Grant	Oct 2013 - May 2014
Enrique Martinez	Work-study - IT Assistance	June 2014 - July 2015
Joseph Ramos	Program Manager (COURI)	Nov 2014 - present
Evelyn Lopez	Assistant Director of BUILDing SCHOLARS	Dec 2014 - present
Laura Diaz-Martinez	Associate Director of COURI	Jan 2015 - present
Carlos J. Gonzalez	Education & Outreach Coordinator for BUILDing SCHOLARS	Jan 2015 - 2016
Lorena Orozco	Project Specialist for BUILDing SCHOLARS	Jan 2015 - present
Yoliet Vela-Garcia	Administrative Assistant for BUILDing SCHOLARS	Feb 2015 - present
Alejandro Miramontes	Instructional Technologist for BUILDing SCHOLARS	Feb 2015 - present
April Vise	Science Writer/Editor for BUILDing SCHOLARS	April 2015 - present
Brenda Jimenez	Program Manager (COURI)	Sep 2015 - present
- American Chemical Society, Office of International Activities

Angelica Lorisme	Temporary Administrative Assistant	Apr - Aug 2010
Kara Lightman	Temporary Administrative Assistant	Nov 2009 - Apr 2010
- Clemson University, Chemistry Department

David Matthews	Administrative Assistant - part time for Chemistry REU program	2006-2007
JoAnne Margosian	Administrative Assistant - part time for Chemistry REU program	2003-2006

Raul Hernandez	Graduate Teaching Assistant	2004-2005
Ashwin Rao	Graduate Teaching Assistant	2003-2004

- University of Miami, Chemistry Department

Robert Alvarado	1 st year Graduate Student	1998-1999
Lourdes Portugal	Junior Undergraduate	1988-1999
George Virgil	High School Senior	1997-1998
Mary Herter	Senior Undergraduate	1985-1986

PRESENTATIONS (Since 2009)

1. L. E. Echegoyen, "Incorporating an asset bundles approach into undergraduate research training". Interactive presentation given at the *Council on Undergraduate Research, Undergraduate Program Directors Conference*, Flagstaff, AZ, **June 29, 2017**
2. L. E. Echegoyen, "Dreams, realities and strong contributions to diversity in STEM: Impact of an undergraduate research office at a Hispanic serving institution". Invited presentation given at the *Advancing Undergraduate Research* session of the *253rd American Chemical Society Meeting*, San Francisco, CA, **April 5, 2017**
3. L.E. Echegoyen, "BUILDing SCHOLARS at the University of Texas at El Paso: An Asset Bundles Approach". Presentation given at the *BUILD Sites: One Goal with Multiple Approaches to Diversify the NIH Workforce Symposium* during the *2017 Understanding Interventions that Broaden Participation in Science Careers Conference*, San Antonio, TX, **March 4, 2017**
4. L. E. Echegoyen, "BUILDing SCHOLARS: Undergraduate Student Interventions to Prepare the Next Generation of Biomedical Researchers". Poster presented at the *2017 Understanding Interventions that Broaden Participation in Science Careers Conference*, San Antonio, TX, **March 4, 2017**
5. L. E. Echegoyen, "UTEP Initiatives that Encourage Participation in STEM Graduate Programs: COURI and BUILD". Invited presentation to representatives from RAND corporation (Contracted by Texas Higher Coordinating Board), The University of Texas at El Paso, **April 21, 2016**.
6. L. E. Echegoyen, "Practitioner's Panel: Experiences of Experiential Teaching". Invited keynote presentation given at the *13th International Sun Conference on Teaching and Learning*, The University of Texas at El Paso, **March 18, 2016**
7. L. E. Echegoyen, "Grant Proposal Writing: General Recommendations, Seed Funding and Pilot Grant Projects from BUILDing SCHOLARS". Face-to-face and online webinar presented at UTEP, **March 14, 2016**
8. L. E. Echegoyen, "Expanding Horizons - Expanding Minds: Scaling Up First Year Research Experiences at a Minority Serving Institution in West Texas". Poster presented at the *2016 Freshman Research Initiative Conference*, The University of Texas at Austin, **March 2-4, 2016**
9. L. E. Echegoyen, "Strategies to prepare entering freshmen for participation and success in STEM research: the FYRIS program". Deeper dive presentation given at the *2016 Understanding Interventions that Broaden Participation in Science Careers Conference*, Philadelphia, PA, **February 28, 2016**

10. L. E. Echegoyen, "About the Campus Office of Undergraduate Research Initiatives". Invited presentation to Program Directors of the Mellon Foundation, **December 14, 2015**
11. L. E. Echegoyen, "Undergraduate Research Models: Scaffolding the Experience from Novice to Expert". Poster presentation given at the 31st Latin American Chemistry Congress CLAQ-2014, Lima, Peru, **October 17, 2015**
12. L. E. Echegoyen, "Student Training Proposals: A Workshop". Invited presentation/workshop given at the University of Puerto Rico, Rio Piedras, **May 4, 2015**
13. L. E. Echegoyen, "Broadening and Sustaining Undergraduate Research Participation: Resources, Challenges, Funding and Partnerships" Invited oral presentation given at The University of Texas at Arlington, Arlington, TX, **April 8, 2015**
14. L.E. Echegoyen, "Developing 21st Century Educators: Integrating Undergraduate Research Training with Teaching and Learning". Invited oral presentation given at the *12th International Sun Conference on Teaching and Learning*, El Paso, TX, **March 6, 2015**
15. L. E. Echegoyen, "BUILDing SCHOLARS Center". Invited oral presentation given at the National Institutes of Health Diversity Consortium Kick-Off Meeting, Bethesda, MD, **November 6, 2014**
16. L. E. Echegoyen, "Can a Solid Undergraduate Research Program in STEM Help a Hispanic Serving Institution Become Tier One?" Invited oral presentation given at the *Minority Serving Institutions and their Role in the STEM Pipeline* Symposium of the 2013 Southeast Regional Meeting of the American Chemical Society (SERMACS), Atlanta, GA, **November 14, 2013**
17. L. E. Echegoyen, "Broadening and Sustaining Undergraduate Research Participation at UTEP: Opportunities, Resources, Challenges, Synergistic Partnerships and Impact". Invited oral presentation given at the *Undergraduate Research at Hispanic Serving Institutions: Diverse Approaches and Best Practices* Symposium of the 2013 Hispanic Association of Colleges and Universities (HACU) Conference, Chicago, IL, **October 28, 2013**
18. L. E. Echegoyen, "An Integrative Approach to Training: Undergraduate Students Conduct STEM Research, Develop New Curricular Materials, and Teach their Peers". Invited poster presentation given at the Gordon Research Conference on Chemistry Education Research & Practice, Salve Regina University, Newport, RI, **June 10, 2013**
19. L. E. Echegoyen, "The Impact of Undergraduate Research in STEM in the U.S.: Lessons from a Hispanic Serving Institution". Invited presentation given at the 14th National Conference on Undergraduate Student Education, Zhuhai, China, **November 25, 2012**
20. L. E. Echegoyen, "The Impact of Undergraduate Research in the U.S.: Lessons from a Hispanic Serving Institution". Presentation given to the Chemistry Departments at Suzhou University, Suzhou, China and at Beijing Normal University, Beijing, China, **November 23 and November 28, 2012**
21. L. E. Echegoyen, "Mentoring Undergraduate Researchers: The Process, the Challenges, and the Elements of a Good Plan". Presentation given at the *Mentoring: an Enabling Relationship That Fosters Professional Growth and Development* session of the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS), San Jose, CA, **November 9, 2012**.
22. L.E. Echegoyen, "Sailing the Winds of the Gathering Storm: International Undergraduate Research Opportunities, Threats and Challenges". Presentation given at the Council on Undergraduate Research *Leveraging Uncertainty: Toward a New Generation of Undergraduate Research* Conference, The College of New Jersey, Ewing, NJ, **June 25, 2012**
23. L. E. Echegoyen, "Role of U.S. Hispanic Serving Institutions in the Global Readiness of Latino STEM

- Students: Undergraduate Research in the Context of U.S. Hispanic Culture". Invited presentation given at the *Chemistry Education: International and Multicultural Perspectives Symposium*, 243rd ACS National Meeting, San Diego, CA, **March 28, 2012**
24. L. E. Echegoyen, "Graduate and Undergraduate Research Opportunities at UTEP". Invited presentation given at the *Trends in NioNano Techno Conference*, Bialystok, Poland, **March 7, 2012**
 25. L. E. Echegoyen, "From Global Awareness to Action: The Value of a Research Experience for Chemistry Undergraduate Students". Invited presentation given at the *Chemistry Education for the Future: A Global Perspective Symposium* at the 43rd IUPAC Congress, San Juan, PR, **August 4, 2011**.
 26. L. E. Echegoyen, "Challenges and Opportunities in Undergraduate Research at a Hispanic Serving Institution: A Comparative Study". Invited poster presentation given at the Gordon Research Conference on Chemistry Education Research & Practice: Foundations and Frontiers, **June 30, 2011**.
 27. L. E. Echegoyen, "Global Engagement in Graduate School: Financial Resources for U.S. Citizens". Invited presentation given at the *Globalizing Education: Graduate School Opportunities in North America and Europe Symposium* at the 241st ACS National Meeting, Anaheim, CA, **March 21, 2011**.
 28. L. E. Echegoyen, "Integrity in Science". Invited presentation given to the National Society of Collegiate Scholars of the University of Texas at El Paso, **February 9, 2011**.
 29. L. E. Echegoyen, "Ten Molecules that Matter: An Outreach Project". Plenary presentation given to the Chemistry Department, University of Texas at El Paso, Texas, during the celebration of *National Chemistry Week*, **October 21, 2010**.
 30. L. E. Echegoyen, "Enriching Undergraduate Education in Chemistry to Achieve Global Competitiveness: The Value of an International REU Program". Invited presentation given at the *Excellence in Undergraduate Education: A Global Perspective Symposium*, 240th ACS National Meeting, Boston, MA, **August 22, 2010**.
 31. L. E. Echegoyen, "ACS-IREU and Germany's DAAD/RISE: A Collaborative Exchange Program". Invited presentation given at the *Connections to Germany & Europe: Educational & Research Opportunities Symposium*, 240th ACS National Meeting, Boston, MA, **August 22, 2010**.
 32. L. E. Echegoyen, "Educating the Next Generation of Globally Engaged Chemical Scientists: ACS and the Role of its IREU Program in the U.S. and Europe". Presentation given at the 21st Biennial Conference in Chemical Education, **August 2, 2010**.
 33. L. E. Echegoyen, "ACS-International Research Experiences for Undergraduates: An Update". Presentation given at the 239th ACS National Meeting, San Francisco, CA, **March 21, 2010**.
 34. L. E. Echegoyen, "ACS-IREU and the Need for Globally Engaged Researchers: Filling the Gap for Study Abroad Programs for Undergraduate Chemical Sciences Majors". Presentation given at the 61st Southeastern Regional Meeting of the ACS (SERMACS 2009), San Juan, PR, **October 22, 2009**.
 35. L. E. Echegoyen, "ACS-IREU Domestic and International Collaborations: a Top-down or Bottom-up Approach?". Invited presentation given at *The Art of Collaborations Symposium*, 238th ACS National Meeting, Washington, DC, **August 19, 2009**.
 36. L. E. Echegoyen, "The ACS International Research Experiences for Undergraduates Program: What Comes Next?" Presentation given at the University of Strathclyde, Scotland, UK and the University of Perugia, Italy, **July 1 and July 7, 2009**.
 37. L. E. Echegoyen, "The ACS International Research Experiences for Undergraduates Program:

Becoming an International Site". Presentation given at Austrian Agency for International Cooperation in Education and Research (OeAD) to Chemistry Faculty from University of Innsbruck, Technical University of Vienna, and BOKU Vienna, **July 7, 2009**.

38. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: Becoming an International Site". Presentation given at Fundacion Universidad, España to Chemistry Faculty from Universidad Autonoma de Madrid, Universidad Complutense de Madrid, and Parque Científico de Barcelona, Madrid, Spain, **June 26, 2009**.
39. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: How Can Local Sections Get Involved". Presentation given to the Local Section Activities Committee Meeting during the 237th ACS National Meeting, Salt-Lake City, Utah, **March 22, 2009**.
40. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program". Presentation given to the Local Section Activities Committee Meeting during the 237th ACS National Meeting, Salt-Lake City, Utah, **March 21, 2009**.

PUBLICATIONS

1. K. Ventura, M. B. Smith, J. R. Prat, L. E. Echegoyen, and D. Villagran, "Introducing Students to Inner Sphere Electron Transfer Concepts Through Electrochemistry Studies in Diferrocene Mixed-Valence Systems", *J. Chem. Educ.*, 94(4), 526-529, **2017**.
1. T. W. Collins, S. E. Grineski, J. Shenberger, D. X. Morales, O. F. Morera, and L. E. Echegoyen, "Undergraduate Research Participation is Associated with Improved Student Outcomes at a Hispanic-serving Institution", *JCS D*, 58(4), 583-600, **2017**.
2. H. Daniels, S. E. Grineski, T. W. Collins, D. X. Morales, O. Morera, and L. E. Echegoyen, "Factors Influencing Student Gains from Undergraduate Research Experiences at a Hispanic Serving Institution", *CBE-LSE*, 15:ar30, **2016**.
3. F. Melin, L. E. Echegoyen, and L. Echegoyen, "Electrochemistry of Fullerenes, Derivatives and Related Compounds", invited chapter in *Organic Electrochemistry*, 5th Edition, B. Speiser and O. Hammerich, editors, CRC Press, FL, **2015**.
4. H. Ungar and J. Wesemann, "Maximizing Our Impact in the World of Student Transfer: A Handbook for Chemistry Faculty", M. Boyd and L. E. Echegoyen Eds. Co-sponsored by the Division of Chemical Education Committee on Chemistry in the Two-Year College, Committee on Minority Affairs, Committee on Professional Training, and Society Committee of Education, American Chemical Society. Preliminary edition, January, **2013**
5. F. Li, A. Villalta-Cerdas, L.E. Echegoyen, and L. Echegoyen, "An Update on Electrochemical Characterization and Potential Applications of Carbon Materials", invited chapter in: *Organic Nanomaterials: Synthesis, Characterization, and Device Applications*, T. Torres and G. Bottari, editors, Wiley-VCH, New York, **2013**.
6. L. E. Echegoyen and Alina Nuñez, "The Impact of Undergraduate Research in STEM in the US and at a Hispanic Serving Institution", *Proceeding of the 14th National Conference on Undergraduate Education*, Zhuhai, China, November 25-26, **2012**.
7. L. E Echegoyen and L. Echegoyen, "Fullerenes" Entry in *Dictionary of Electrochemistry*, Vol. 14, A. Bard, G. Inzelt, and F. Scholtz, editors, Springer, New York, **2008**.
8. L. E Echegoyen, M. A. Herranz, L. Echegoyen, "Fullerenes" Chapter in *Encyclopedia of Electrochemistry*, Vol. 7a, F. Scholz, C. Pickett (Volume Eds.), Wiley-VCH, New York, 145-201, **2006**.
9. L. Echegoyen and L. E. Echegoyen, "The Electrochemistry of C₆₀ and Related Compounds," Chapter

- in: *Organic Electrochemistry, 4th Edition*, H. Lund and O. Hammerich, editors, Marcel Dekker, NY, pages 323-339, **2000**.
10. L. E. Echegoyen, F. D. Djojo, A. Hirsch, and L. Echegoyen, "Electrochemical Studies of Seven Regioisomers of Tris[di(ethoxycarbonyl)methano][60]fullerene: Umpolung of Regiochemistry in Retro-Bingel Reactions and Walk-on-the-Sphere Rearrangements," *J. Org. Chem.*, **65**, 4994-5000, **2000**.
 11. L. Echegoyen, F. Diederich, and L. E. Echegoyen, "Electrochemistry of Fullerenes", Chapter in: *Fullerenes: Chemistry, Physics, and Technology*, K. M. Kadish and R. S. Ruoff, editors, Wiley, NY, pages 1-51, **2000**.
 12. G. Rapenne, J. Crassous, L. E. Echegoyen, L. Echegoyen, E. Flapan, and F. Diederich, "Regioselective One-Step Synthesis and Topological Chirality of trans-3, trans-3, trans-3 and e,e,e [60]Fullerene-Cyclotrimeratrylene Tris-adducts: Discussion on a Topological meso-Form," *Helv. Chim. Acta*, **83**, 1209-1223, **2000**.
 13. R. Kessinger, N. S. Fender, L. E. Echegoyen, C. Thilgen, L. Echegoyen, and F. Diederich, "Selective Electrolytic Removal of Bis(alkoxycarbonyl)methano Addends from C₆₀ Bis-adducts and Electrochemical Stability of C₇₀ Derivatives," *Chem. Eur. J.* **6**, 2184-2192, **2000**.
 14. L. Echegoyen and L. E. Echegoyen, "Electrochemistry of Fullerenes and their Derivatives," *Acc. Chem. Res.*, **31**, 593-601, **1998**.
 15. T. L. Lauricella, M. Lopez, S. R. Miller, L. E. Echegoyen, G. W. Gokel, and L. Echegoyen, "Lipophilic Derivatives of [2.2.1] and [2.2.2] Cryptands: Thermodynamics of Micellization of Their Alkali and Alkaline Earth Cryptates," *J. Org. Chem.*, **56**, 1524-1529, **1991**.
 16. L. E. Echegoyen, S.R. Miller, G.W. Gokel, and L. Echegoyen, "Thermodynamics of Micellization for the K⁺ and Ba²⁺ Complexes of a Lipophilic Cryptand," Chapter in: *Inclusion Phenomena and Molecular Recognition*, J. L. Atwood, editor, Plenum Press, NY, page 151-159, **1990**.
 17. L. E. Echegoyen, H. K. Yoo, V. J. Gatto, G. W. Gokel, and L. Echegoyen, "Cation Transport Using Anthraquinone-Derived Lariat Ethers and Podands: The First Example of Electrochemically Switched 'On/Off' Activation/Deactivation," *J. Am. Chem. Soc.*, **111**, 2440-2443, **1989**.
 18. Additionally featured in: *Chemical and Engineering News*, Vol. 67, April 10, 1989, p20.
 19. H. Fasoli, L. E. Echegoyen, J. C. Hernandez, G. W. Gokel, and L. Echegoyen, "Evidence from E.S.R. Studies for Virtual Immobility in Niosomes Derived from Steroidal Lariat Ethers," *J. Chem. Soc., Chem. Commun.*, 578-580, **1989**.
 20. L. Echegoyen, G. W. Gokel, L. E. Echegoyen, Z. Chen, and H. Yoo, "Electrochemical Switching in Reducible Lariat Ethers: from Cation Binding Enhancements to Electrochemically-Mediated Transport," *J. Incl. Phen.*, **7**, 257-266, **1989**.
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