

## CURRICULUM VITAE

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### RESEARCH INTERESTS

Radical reactions of transition metal-complexed unsaturated systems; synthetic methodologies in organic and organometallic chemistry; novel therapeutic agents for a breast cancer treatment; enzymatic chemistry; cancer drug development; aromatase metabolism; hormonal chemistry; food chemistry; antioxidants; supplements; cosmetics; environmental chemistry, consumer product chemistry, environmental laws.

### PUBLICATIONS & BOOKS & PATENTS & PRESENTATIONS & PETITIONS

84 papers in peer-reviewed journals, including 8 reviews/book chapters;  
1 book;  
3 patents;  
129 presentations including:  
national and international conferences – 63 (7 - invited);  
invited talks at academic institutions – 17;  
public hearings on carcinogens and reproductive toxicants at the state and federal agencies – 1;  
expert deposition and trial testimony on carcinogens and reproductive toxicants on behalf of the consumer protection groups – 4;  
invited public presentations – 30;  
radio interview – 9;  
TV interviews – 5;  
6 chairing sessions at ACS national and regional conferences;  
1 petitioning state and federal agencies to protect American public from carcinogens and reproductive toxicants.

### SCIENTIFIC CITATION SCORES (as of 05.09.14)

874 sum of the times cited;  
626 sum of times cited without self-citations;  
17 h-index.

### PUBLIC OUTREACH: EXPLAINING CHEMISTRY TO THE GENERAL PUBLIC

32,698 number of views of the health-related youtube videos.

### PROFESSIONAL EXPERIENCE

1978-1990 Institute of Organic Chemistry, National Academy of Sciences, Yerevan, Armenia: Principal Researcher (1990); Senior Research Fellow (1983-1990); Junior Research Fellow (1978-1983); Research Group Leader (1978-1990);

1990-1992	Alexander von Humboldt Fellow, Institute of Organic Chemistry, University Erlangen-Nurnberg, Erlangen, Germany;
1993-1995	Adjunct Professor of Chemistry, Department of Chemistry&Biochemistry, University of Oklahoma, OK;
1995-1998	Assistant Professor of Chemistry, Department of Chemistry, CSUN, Northridge, CA;
1998-2003	Associate Professor of Chemistry, Department of Chemistry, CSUN, Northridge, CA;
2003-to-date	Professor of Chemistry, Department of Chemistry&Biochemistry, CSUN, Northridge, CA.

### **NEW REACTIONS DISCOVERED**

1984	palladium-induced, one-step transformation of 5-alkyn-4-olids to 4E-alkenoic acids;
1990	oxidative methylene-extrusion reaction converting 2H-pyrans into furan derivatives;
1997	conversion of propargyl alcohols into cyclic and acyclic 1,5-alkadiynes mediated by heteroatom-containing organic molecules;
2003	spontaneous generation and coupling of Co-complexed propargyl systems.

### **NEW CONCEPTS and TERMS INTRODUCED INTO SCIENCE**

2013	“sequestered” organometallic radicals;
2015	“chiralization by metal complexation”;
2015	“caged triple bond.”

### **INVITED PRESENTATIONS AT CONFERENCES (from a total of 7)**

1999	35th ACS Western Regional Meeting, 1999 Pacific Conference, Ontario CA;
2000	American-German-French Symposium “Carbon-Rich Organometallics”, Erlangen, Germany;
2002	National Foundation on Science & Advanced Technologies (NFSAT)-Civilian Research & Development Foundation (CRDF, Washington) 5th Anniversary Conference, Yerevan, Armenia;
2008	International Organometallics Conference 2008, ZING Conferences, Cancun, Mexico;
2009	General Assembly, National Academy of Sciences, Yerevan, Armenia.

### **CHAIRING SESSIONS AT ACS CONFERENCES**

1998	“Organometallic Synthesis,” 34th ACS Western Regional Meeting, 1998 Pacific Conference, San-Francisco, CA;
2011	“New Reactions and Methodology,” 241 <sup>st</sup> ACS National Meeting, Anaheim, CA;
2012	“Metal-Mediated Reactions and Syntheses,” 243 <sup>st</sup> ACS National Meeting, San Diego, CA;
2013	“Metal-Mediated Reactions and Syntheses,” 245 <sup>st</sup> ACS National Meeting, New Orleans, GA;
2014	“Asymmetric Reactions and Syntheses,” 246 <sup>st</sup> ACS National Meeting, San Francisco, CA;

2015 “New Reactions and Methodology,” 250<sup>st</sup> ACS National Meeting, Boston, MA.

#### **INVITED PRESENTATIONS AT ACADEMIC INSTITUTIONS (from a total of 17)**

UC San Diego, CA (1997); CSU Los Angeles, CA (1998); USC, Los Angeles, CA (1999); UC Riverside, CA (1996); University of Oklahoma, Norman, OK (1993); University of Erlangen-Nurnberg, Germany (1992); University of Hamburg, Germany (1991); University of Hannover, Germany (1991); Institute of Organic Chemistry, NAS, Yerevan, Armenia (1991); Department of Natural Sciences, NAS, Yerevan, Armenia (1998, 2009); University of Pierre and Marie Curie, Paris, France (2001); CSU Long Beach, CA (2009); California State University Northridge, Northridge, CA (2014); University of Oklahoma, Norman, OK (2014); California State University Northridge, Northridge, CA (2015).

#### **DISTINCTIONS & RECOGNITIONS**

2002 *Polished Apple Award*, University Ambassadors, CSUN, Northridge, CA;  
 2008 *Outstanding Faculty Award*, CSUN, Northridge, CA;  
 2008 *Foreign Member*, National Academy of Sciences, Yerevan, Armenia;  
 2010 *Jerome Richfield Research Scholar Award*, CSUN, Northridge, CA;  
 2015 *The Kennedy Center Stephen Sondheim Inspirational Teacher Award*, Washington, D.C.

#### **LITERARY AWARDS**

2011 *Finalist* in the "Science" category, The USA “Best Books 2011” Awards competition sponsored by the USA Book News;  
 2012 *Second Place Award* in the "Science" category, 2012 International Book Awards competition sponsored by JPX Media.

#### **AWARDS & HONORS**

1970-1973 “Best Student of the Department of Chemistry”, Department of Chemistry, Yerevan State University, Yerevan, Armenia;  
 1987 Deutscher Akademischer Austauschdienst (DAAD), Germany;  
 1990 Alexander von Humboldt Fellowship, Germany;  
 1997 Collaborative Research Award, Civilian Research and Development Foundation (CRDF);  
 1998 Hewlett Packard Corporation;  
 1998 Judge Julian Beck Foundation;  
 2001 NATO, Physical and Engineering Science and Technology;  
 2002 American Chemical Society, Petroleum Research Fund;  
 2006 America’s Registry of Outstanding Professionals 2005-2006;  
 2006 Who’s Who in Sciences Higher Education (WWSHE);  
 2007,2011 National Science Foundation (NSF), Research at Undergraduate Institutions (RUI).

#### **EDUCATION**

1973 B.S. in Chemistry, Yerevan State University, Yerevan;  
 1977 Ph.D. in Organic Chemistry, Institute of Elementorganic Compounds,

- 1990 National Academy of Sciences, Moscow;  
D.Sc. (Doctor of Sciences) in Organic/Organometallic Chemistry, Institute of Organic Chemistry, National Academy of Sciences, Yerevan;
- 1990-1992 Alexander von Humboldt Fellow in Organic/Organometallic Chemistry, Institute of Organic Chemistry, University Erlangen-Nurnberg, Erlangen.

### TEACHING RESPONSIBILITIES

Courses taught at CSUN since 1995 (12WTU/semester):

- CHEM103 General Chemistry I;  
CHEM235 Introductory Organic Chemistry (for non-Science majors);  
CHEM331 Organic Chemistry I (for Chemistry majors);  
CHEM332 Organic Chemistry II (for Chemistry majors);  
CHEM331L Organic Chemistry I Laboratory course;  
CHEM332L Organic Chemistry II Laboratory course;  
CHEM333 Principles of Organic Chemistry I (for Science majors);  
CHEM334 Principles of Organic Chemistry II (for Science majors);  
CHEM333D Principles of Organic Chemistry I Discussion;  
CHEM334D Principles of Organic Chemistry II Discussion;  
CHEM333L Principles of Organic Chemistry I Laboratory course;  
CHEM334L Principles of Organic Chemistry II Laboratory course;  
CHEM595F Organometallic Chemistry (for graduate students).

### INDIVIDUAL STUDENT TRAINING & MENTORING

- 1984-1992 4 graduate students awarded Ph.D. degrees;
- 1999-2015 12 graduate students awarded *Master of Science* degrees;
- 1996-2015 graduate (up to 3/semester) and undergraduate (up to 6/semester) students enrolled in CHEM696, CHEM495, and CHEM499 courses (total number of students – 84, including 72 undergraduate students; total of 450 student-semesters including 288 undergraduate student-semesters);
- 1997-2015 110 student presentations (including 62 - by undergraduate students) at the departmental, school, university, state and national levels, including the ACS National and Regional Meetings, Southern California Conferences on Undergraduate Research, National Conferences on Undergraduate Research (NCUR), CSUN Student Research Symposia, CSU-Wide Students' Research Symposia, and Sigma Xi Competitions;
- 1996-2015 48 student awards (including 31 - by undergraduate students), such as Donald Bianchi Research Awards, Best Presentation, 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Place Awards at Sigma Xi Competitions (CSUN, 1996, 1997, 1998, 1999, 2003, 2005, 2006, 2007, 2009, 2013, 2015); First Place Awards at CSUN Student Research Symposia (CSUN, 1996, 1997, 2004, 2005, 2007, 2010, 2013); Second Place Award at CSUN Student Research Symposium (CSUN, 2002; 2006, 2010, 2013, 2014); Second Place Award at CSU Student Research Competition (CSU Chico, 1998); Second Place Award at CSU Student Research Competition (CSU Hayward, 2008), Nathan O. Freedman Memorial Award (CSUN, 2010); Outstanding Junior Award (CSUN, 1998); Hypercube Scholar Award (CSUN, 1999); Organic Chemistry Award (CSUN, 2000, 2012); Outstanding Graduate Student Teaching Award (CSUN, 2005, 2007, 2009); Graduate Fellow Award for

Outstanding Research Promise in Science and Mathematics (CSUN, 2009); First Place Award, Award of Excellence, AAAS Pacific (San Francisco, 2010), Outstanding Freshman Chemistry Award (CSUN, 2011); Analytical Chemistry Award (CSUN, 2011); Henry Klostergard Award for Outstanding Graduating Chemistry Major (CSUN, 2012); Outstanding Graduating Senior Award (2014); 2014 Wolfson Award (2014); Outstanding Oral Presentation Award, 2015 ACS Southern California Undergraduate Research Conference (SCURC, 2015); Leslie and Terry Cutler Scholarship Award (2015).

1996-2015 29 student proposals (submitted by undergraduate students - 14; funded - 24), University Corporation, CSUN.

### **CURRICULUM DEVELOPMENT / PROFESSIONAL SERVICES**

- I. Revised the curriculum of Organic Chemistry laboratory for chemistry majors (CHEM331L/332L) bringing up the level of instruction to that in research laboratory;
- II. Introduced high-resolution chromatographic methods and state-of-the-art experiments into Organic Chemistry curriculum;
- III. Initiated and ran new seminar series for undergraduate and graduate students "Students' Research Seminar";
- IV. Evaluator, Single-subject credential evaluation of science teacher;
- V. Acted as a member, and chaired, the Curriculum Committee, College of Science and Mathematics, CSUN;
- VI. Coordinated Organic Chemistry laboratory courses (CHEM235/333/334);
- VII. Acted as a library liaison for Department of Chemistry&Biochemistry;
- VIII. Continuously upgraded undergraduate Organic Chemistry lecture courses;
- IX. Faculty Hearing Panel, CSUN;
- X. Post Promotion Increase (PPI) Committee, Department of Chemistry&Biochemistry, CSUN;
- XI. Judge, 12<sup>th</sup> Annual Sigma Xi Student Research Symposium, CSUN;
- XII. Member, Part-time faculty personnel committee, Department of Chemistry and Biochemistry, CSUN;
- XIII. Member, Department Chair Search and Screen Committee, Department of Chemistry and Biochemistry, CSUN;
- XIV. Member, Post-tenure faculty evaluation committee, Department of Chemistry and Biochemistry, CSUN;
- XV. Organic Chemistry Faculty Hiring Committee, Department of Chemistry & Biochemistry, CSUN.

### **EXTRAMURAL FUNDING**

2011 National Science Foundation (NSF) - \$240K;  
 2007 National Science Foundation (NSF) - \$240K;  
 2003 American Chemical Society, Petroleum Research Fund (ACS PRF) - \$50K;  
 2001 NATO, Physical and Engineering Science and Technology - \$7K;  
 1998 Hewlett Packard - \$83K;  
 1997 Civilian Research & Development Foundation (CRDF) - \$40K.

**MEDIA COVERAGE**

- 1994 The Norman Transcript, Norman, OK (article titled “Accelerated Course in Organic Chemistry Offered by University of Oklahoma);
- 1995-2005 SCOPE, College of Science&Math Newsletter (quarterly; multiple publication and presentation reports);
- 2003 *Chemical and Engineering News*, Science & Technology Concentrate page (Sept 22; p.28) featuring a new reaction discovered at CSUN and published in *Organic Letters* 2003, 5, 3395;
- 2004 CSUN Press Release “Cal State Northridge Chemistry Professor on a Quest to Defeat Breast Cancer”;
- 2004 Northridge Magazine (article titled “Cancer Research and Outreach”);
- 2005 New Times (Novoye Vremya) newspaper, Yerevan, Armenia; an interview on the US and Armenian educational systems and reorganization plan of the Armenian National Academy of Sciences;
- 2005 Northridge Magazine (article titled “Chemistry Professor on a Quest to Defeat Breast Cancer”);
- 1998-2008 @CSUN newspaper (multiple presentation and publication reports);
- 2006-2008 CSUN web banner “Gagik Melikyan is on a mission to find a breast cancer cure”;
- 2008 The Armenian Reporter, April 2008, No. 58, p.3;
- 2009 Asbarez daily newspaper, February 2, 2009; “ARPA Board Members Elected as Foreign Members of National Academy of Sciences of Armenia”;
- 2009 @CSUN newspaper, January 20, 2009; “Chemistry Professor Elected to Armenian Science Academy”;
- 2009 California Courier, February 5, 2009;
- 2009 The Armenian Reporter, February 14, 2009;
- 2009 The Armenian Observer, February 18, 2009;
- 2011 North Valley Community News, January 2011;
- 2011 The Armenian Observer, January 5, 2011;
- 2011 The California Courier, January 13, 2011;
- 2011 In Focus, California Writers Club / West Valley, February, 2011;
- 2011 Daily Sundial, CSUN, Northridge, CA; February 2, 2011;
- 2011 Community@CSUN, CSUN, Northridge, CA; February 2011 (Vol X, #5);
- 2011 @CSUN, CSUN, Northridge, CA;
- 2011 Northridge Magazine, Word’s Out, #61, Summer 2011, CSUN, Northridge, CA;
- 2012 *Valley Scribe*, California Writers Club /San Fernando Valley, February, 2012;
- 2012 *USA Armenian Life* Magazine, March 23, 2012;
- 2012 Radio-TV Interview Report (RTIR), March-June 2012;
- 2012 *Chemical and Engineering News*, June 25, 2012;
- 2012 *Speaker Showcase*, Bradley Communications, Broomall, PA;
- 2013 *Discussing the Facts vs. Hypes of Antioxidants, Supplements and Cosmetics*, CSUN Today, Feb 25, 2013;
- 2013 Northridge Magazine, Spring 2013, CSUN, Northridge, CA;

- 2013 *Writer's Website of the Month*, The Valley Scribe, California Writers Club / West Valley, CA, February, 2013;
- 2014 *CSUN SHINE*, Spring 2014, CSUN, Northridge, CA;
- 2014 *TheRoundUp*, May 2014, Pierce College, Woodland Hills, CA;
- 2015 *CSUN SHINE*, Spring 2015, CSUN, Northridge, CA;
- 2015 *The Marquee, News and Views from MTI*, New York, NY;
- 2015 *Massis Post*, Thousand Oaks, CA;
- 2015 *SCV News*, Santa Clarita, CA;
- 2015 *Groong News ANN*, April 6, 2015, Los Angeles, CA;
- 2015 *Aravot*, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Asbarez News*, April 13, 2015, CA (in Armenian);
- 2015 *USA ARMENIAN LIFE*, April 10, 2015; Glendale, CA;
- 2015 *ARPA Institute Newsletter*, April 2015, Tarzana, CA;
- 2015 *Novoye Vremya*, May 2015, Yerevan, Armenia (in Russian);
- 2015 *Lragyr*, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Tert* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Hetq* media outlet, April 2015, Yerevan, Armenia;
- 2015 *Armenpress* media outlet, April 2015, Yerevan, Armenia;
- 2015 *Armenpress* media outlet, April 2015, Yerevan, Armenia (in Russian);
- 2015 *Armenpress* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *News.am* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *168.am* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Blognews.am* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Slaq.am* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Ankakh.com (Independent)*, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Hetq* media outlet, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Tert* media outlet, April 2015, Yerevan, Armenia (in Russian);
- 2015 *Digital News World*, April 2015;
- 2015 *NewHub*, April 2015;
- 2015 *Nyut.am*, April 2015, Yerevan, Armenia (in Armenian);
- 2015 *Analitikaua*, May 2015 (in Russian);
- 2015 *Makarats*, May 2015 (in Russian);
- 2015 *MaxInfo*, May 2015 (in Armenian);
- 2015 *Norlur*, May 2015 (in Armenian);

### **TV APPEARANCES**

- 2009 AMGA channel, Glendale, CA;
- 2011 USArmenia channel, Burbank, CA;
- 2011 CBS KCAL9, Studio City, CA;
- 2012 USArmenia channel, Burbank, CA;
- 2013 The Book Beat, LA TALK LIVE channel, Los Angeles, CA.

### **RADIO INTERVIEWS**

- 2012 DresserAfterDark, BBS Radio;
- 2012 KYNT KSWR radio;
- 2012 KCWR radio;
- 2012 KERN Bakersfield Good Morning News radio;
- 2012 WOCM radio;

2012 KCSN-FM radio;  
 2012 KFNN radio;  
 2012 IssuesToday radio;  
 2012 Dr. Joe Radio Show.

**PUBLIC APPEARANCES (from a total of 30)**

2002 Invited speaker, U.S. Civilian Research & Development Foundation (CRDF) and Armenian Diaspora meeting, Glendale, CA;  
 2007 Speaker, Alumni & Friends of Armenian Studies program (AFASP) banquet, CSUN, Northridge, CA;  
 2008 Speaker, Graduation Ceremony, Armenian Studies Program, CSUN, Northridge, CA;  
 2008 Speaker, 25<sup>th</sup> Anniversary Meeting of the Armenian Studies Program, CSUN, Northridge, CA;  
 2009 Invited speaker, Ferrahian High School, Tarzana, CA;  
 2009 Invited speaker, High School Junior Honor's Day, CSUN, Northridge, CA;  
 2010 Invited speaker, ARPA Institute, book presentation, Thousand Oaks, CA;  
 2011 Invited speaker, Ararat-Eskijian Museum, book presentation, Mission Hills, CA;  
 2011 Invited speaker, Phi Delta Epsilon, book presentation, CSUN, Northridge, CA;  
 2011 Invited speaker, Organization of Istanbul Armenians (OIA), Glendale, CA;  
 2011 Invited speaker, California Writers' Club, San Fernando Valley Chapter, Canoga Park, CA;  
 2011 Invited speaker, Mission Community Hospital, Panorama City, CA;  
 2011 Invited speaker, Provost Colloquium, Jeromy Richfield Award presentation, CSUN, Northridge, CA;  
 2011 Keynote Health Speaker, Filipino American Chamber of Commerce of Orange County (FACCOC), Garden Grove, CA;  
 2011 Keynote Health Speaker, *Staying Healthy and Insights into "Natural" in Health Foods, Remedies, and Cancer Prevention*. Inland Empire Asian Business Association (IEABA), Riverside, CA;  
 2011 Invited speaker, *Health is Wealth*. USANA Inc. Regional Center, Signal Hills, CA;  
 2012 Book Bazaar, California Writers' Club, San Fernando Valley, Woodland Hills, CA;  
 2012 Invited speaker, Armenian Engineers and Scientists of America (AESAs), Glendale, CA;  
 2013 Panelist, California Writers' Club, San Fernando Valley, Woodland Hills, CA;  
 2013 Invited speaker, Student Organization for a Holistic Approach to Health and Leadership (SOHHL), Phi Delta Epsilon Fraternity, Chicanos for Community Medicine (CCM) Student Organization, CSUN, Northridge, CA;  
 2013 Guest Speaker, *Women's History Month event*, United States Citizenship and Immigration Services (USCIS) San Fernando Valley Field Office (SFV);

- 2013 Speaker, 30<sup>th</sup> Anniversary of the Armenian Studies Program, CSUN, Northridge, CA;
- 2013 Guest Speaker, Kiwanis International, Northridge Chapter, Northridge, CA;
- 2014 Invited Speaker, *Toxicity of Heavy Metals and a Long-Term Impact of Irresponsible Mining on Public Health*, CSUN, Northridge, CA;
- 2014 Invited Speaker, *Antioxidants and Natural Supplements: Unraveling the Truth*, Pierce College, Woodland Hills, CA;
- 2014 Invited Speaker, *American Public's Perpetual Struggle Against Harmful Business Practices*, Public Advocacy Group Renaissance Armenia (via satellite), Yerevan;
- 2014 Speaker, *Why "Natural" Is Not Synonymous to "Good" and Harmless,* Vroman's Bookstore, Pasadena, CA;
- 2014 Invited Speaker, *Antioxidants, Supplements, and Cosmetics: Perils of Ignoring Science*, Regional High School Science Teachers' Conference, Ferrahian High School, Encino, CA;
- 2014 Invited Speaker, *Teaching Science in the 21<sup>st</sup> Century: Challenges and Solutions*, Regional High School Science Teachers' Conference, Ferrahian High School, Encino, CA;
- 2015 Invited Speaker, *The Centennial of Armenian Genocide: Did the World Learn the Lesson, or How to Prevent Genocides in the 21<sup>st</sup> Century?* CSUN, Northridge, CA.

#### **REVIEWER / EVALUATOR / PANELIST / CONSULTANT / ADVISOR**

- Reviewer:** National Science Foundation (NSF), American Chemical Society, Petroleum Research Fund (ACS PRF), *J. Amer. Chem. Soc.*, *Chem. Rev.*, *Org. Lett.*, *Tetrahedron*, *J. Organometal. Chem.*, *J. Cluster Sci.*, and *Canadian J. Chem.*; ARPA Institute, Student Innovation Competition; State Committee on Science and Technology, Armenia.
- Panelist:** National Science Foundation (NSF), Washington, D.C.; California Writers' Club, San Fernando Valley, CA.
- Expert/Consultant:** Consumer Advocacy Group, Los Angeles, CA; Renaissance Armenia Los Angeles, Los Angeles, CA; Thomson Reuters Expert Witness Services; Round Table Group, Washington, D.C.; National Academy of Sciences, Armenia.
- National Registries:** *2013-2014 Business Who's Who Registry*; *American Men and Women of Science*.
- Scientific Advisory Board:** Center for Responsible Mining's Independent Monitoring Technical Advisory Board (IM TAB), American University of Armenia (AUA), Yerevan, Armenia; ARPA Institute, Tarzana, CA.
- Thesis committee:** Department of Chemistry and Biochemistry, CSUN; Department of Family and Consumer Sciences, CSUN.

**AFFILIATIONS**

American Chemical Society; American Chemical Society, Organic Division; ACS Consulting Network; California Faculty Association (CFA); American Association of University Professors (AAUP); California Teachers Association (CTA); National Education Association (NEA); Service Employees International Union (SEIU); California Writers' Club - San Fernando Valley & West Hills Chapters; Independent Writers of Southern California (IWOSC); Institute for Community Health and Wellbeing (CSUN); Book Publicists of Southern California (BPSC); Union of Concerned Scientists (UCS); Public Citizen Foundation; Council on Undergraduate Research (CUR).