

PROF. BASSAM Z. SHAKHASHIRI PUBLICATIONS

2023

GUEST EDITORIAL: CELEBRATING CARL DJERASSI, with R. Hoffmann, JL Seeman, RN Zare. *Chemical & Engineering News*, Volume 101, Issue 35. October 23, 2023.

2022

CONNECTING SCIENCE TO SOCIETY. *The Sifter*, UW-Madison Retirement Association, May 2022.

2021

A Q&A WITH BASSAM SHAKHASHIRI, with Terry Devitt. *UW News*, August 17, 2021.

CLIMATE SCIENCE CONCEPTS FIT YOUR CLASSROOM: A WORKBOOK FOR TEACHERS, with Jerry Bell. Accessible at scifun.org, the website of the Wisconsin Initiative for Science Literacy.

2019

CLIMATE CHANGE: THE GREATEST CHALLENGE TO SOCIETY & SCIENCE. *Badger Chemist*, 2019.

Q&A: BASSAM SHAKHASHIRI CELEBRATES 50 YEARS OF 'SCIENCE IS FUN', with Nicholas Garton. *The Cap Times*, December 1, 2019.

2018

ASSIGNED READING: BASSAM SHAKHASHIRI, with Niki Denison. *Badger Insider*, October 1, 2018.

2017

REACTIONS: BASSAM SHAKHASHIRI, with Marshall Brennan. *The Sceptical Chymist*, a blog from *Nature Chemistry*, February 24, 2017.

REMARKS AT THE MARCH FOR SCIENCE. Library Mall, UW-Madison, April 22, 2017.

2016

CELEBRATING TEACHERS AND TEACHING. Remarks at Education Week, UW-Madison School of Education, November 15, 2016.

2015

REMARKS AT THE MEMORIAL CELEBRATION OF THE LIFE OF CARL DJERASSI. Woodside, CA, March 7, 2015.

CLIMATE CHANGE AND OUR RESPONSIBILITIES AS SCIENTISTS, remarks at the ACS Chicago Section Meeting, March 12, 2015.

A FRIEND HAS LEFT US, with Roald Hoffmann. *Chemical & Engineering News*, September 7, 2015, Vol 93 Issue 35.

2014

ACTION ON CLIMATE CHANGE, with Jerry Bell. *Chemical & Engineering News*, March 17, 2014, Vol. 92, Number 11.

CLIMATE CHANGE AND OUR RESPONSIBILITIES AS CHEMISTS, with Jerry Bell. *Arabian Journal of Chemistry*, 2014;7:5-9.

EXHORTATIONS FOR RESPONSIBLE ACTION. *Sustainable Nano*, a blog by the NSF Center for Sustainable Nanotechnology, February 25, 2014.

2013

150 YEARS OF THE MORRILL ACT: THE PROMISE AND POTENTIAL OF A LAND-GRANT UNIVERSITY. *Bulletin of the History of Chemistry*, 2013, Volume 38, No. 2.

PRESENTATION OF THE REPORT OF THE ACS PRESIDENTIAL COMMISSION ON GRADUATE EDUCATION IN THE CHEMICAL SCIENCES, to the President's Council of Advisors on Science and Technology, March 15, 2013, Washington, DC.

REPORT OF THE 2012 PRESIDENT, Presented to the ACS Council, July 17, 2013.

ACS GLOBAL WATER INITIATIVE: THE GRAND CHALLENGE OF WATER, with DL Sedlak, JL Schnoor. *Chemical & Engineering News*, 2013;91:37-37.

CLIMATE CHANGE CONVERSATIONS, with Jerry Bell. *Science*, 2013;340:9-9

THE JOY OF CHEMISTRY, with Roald Hoffmann. *Chemical & Engineering News*, 2013;91:3-3.

ONWARD! *ACS Councilor Bulletin*, Volume 12, Number 3, December 2013.

2012

CHEMISTRY: A KEY TO HUMAN PROGRESS, *Chemical & Engineering News*, January 2, 2012.

Q&A BASSAM SHAKHASHIRI: THE SCIENCE SHOWMAN, with Jascha Hoffman. *Nature*, Vol 481, January 5, 2012.

ACS CLIMATE SCIENCE TOOLKIT: A NEW RESOURCE FOR MEMBERS. *Chemical & Engineering News*. 2012;90:38-38.

FROM THE ACS PRESIDENT. *ACS Councilor Bulletin*, Volume 11, Number 1, March 2012.

WELCOME TO SAN DIEGO AND THE 243RD NATIONAL MEETING. Intro to the Meeting Book, April 2012.

KEYNOTE ADDRESS. 17TH Annual Presidential Green Chemistry Challenge Awards, June 18, 2012.

WHAT IS HAPPENING WHEN THE BLUE BOTTLE BLEACHES: AN INVESTIGATION OF THE METHYLENE BLUE-CATALYZED AIR OXIDATION OF GLUCOSE, L Anderson, SM Wittkopp, CJ Painter, JJ Liegel, R Schreiner, JA Bell, et al. *Journal of Chemical Education*, 2012;89:1425-1431.

ACS, CHEMISTRY, AND THE GRAND CHALLENGES FACING SCIENCE AND SOCIETY. *ACS Councilor Bulletin*, Volume 11, Number 2, August 2012.

WELCOME TO PHILADELPHIA AND THE 244TH ACS NATIONAL MEETING. Intro to the Meeting Book, August 2012.

FOR THE BENEFIT OF EARTH AND ITS PEOPLE. *ACS Councilor Bulletin*, Volume 11, Number 3, December 2012.

2011

CHEMICAL DEMONSTRATIONS : A HANDBOOK FOR TEACHERS OF CHEMISTRY. Volume 5. University of Wisconsin Press; 2011.

LOOKING BACK, LOOKING AROUND, LOOKING AHEAD. Remarks to the ACS Leadership Institute, Fort Worth, January 23, 2011.

ON ADVANCING SCIENCE, TECHNOLOGY, AND HUMAN RIGHTS. 241st ACS Spring National Meeting, Anaheim, March 29, 2011.

LOOKING BACK, LOOKING AROUND, AND LOOKING AHEAD, *CHED Newsletter*, Spring 2011.

ADVANCING CHEMISTRY, COMMUNICATING CHEMISTRY. *ACS Presidents Column*, ACS Younger Chemists Committee Blog, August 19, 2011.

2009

ON WISCONSIN! *Wisconsin People & Ideas*, Vol. 55, No. 2, Spring 2009.

PRACTICAL WORK IN CHEMISTRY EDUCATION. Keynote Address at the 42nd IUPAC Congress, Glasgow, August 5, 2009.

2007

SCIENCE IS FUN STUDENT PUBLIC PRESENTATIONS MANUAL, with Rodney Schreiner and Linda Zelewski. (2007) (2008) (2009) (2015) (2016) (2017).

2006

DOING OUR BEST FOR ACS, CHEMISTRY EDUCATION, AND SOCIETY. *Journal of Chemical Education*, 2006;83:1455-1455.

2004

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2003

LEAD. *Chemical & Engineering News*, 2003.

ASK THE EXPERTS, with R. Schreiner, *The Science Teacher*.

SCIENCE FOR THE PEOPLE. *Wisconsin Academy Review*, Spring 2003.

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WORKBOOK FOR GENERAL CHEMISTRY, with R. Schreiner, Stipes Publishing Co., 2000.

1997

HUBERT N. ALYEA, 1903-1996. *Journal of Chemical Education*, 1997;74:20-21.

1992

CHEMICAL DEMONSTRATIONS : A HANDBOOK FOR TEACHERS OF CHEMISTRY. Volume 4.
University of Wisconsin Press; 1992.

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1992 MRS Spring Meeting Plenary Address. *MRS Bulletin*, July 1992.

1991

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ROBERT M. HAZEN AND JAMES TREFIL. *Chemical & Engineering News*, 1991.

INTERVIEW: BASSAM Z. SHAKHASHIRI, with Kotz & Purcell. *Chemistry and Chemical Relativity*, 2nd
Edition. Thomson Brooks/Cole.

1990

SUPPLY OF SCIENTISTS FOR THE 21ST CENTURY. 199th Meeting of the American Chemical Society,
Boston, April 22, 1990.

REFLECTIONS ON GEORGE PIMENTEL'S VISION FOR SCIENCE EDUCATION. Boston, April 24, 1990.

THE NATION'S NEED IN SCIENCE AND MATHEMATICS EDUCATION, National Science Foundation,
May 1990.

EDUCATING AMERICANS FOR A SCIENCE-ORIENTED FUTURE. *ASM News*, Volume 56, Number 1.

ARE WE READY TO ADVANCE? *Executive Forum*.

TOWARD THE 21ST CENTURY: ENHANCING THE QUALITY OF SCIENCE, MATHEMATICS AND ENGINEERING EDUCATION IN AMERICA. *L&S Magazine*, UW-Madison, Volume 8, Number 1, Fall 1990.

AMERICA CAN STILL SOLVE THE CRISIS IN SCIENCE EDUCATION, with Mark Wilsey. *Executive Intelligence Review (EIR)*, Volume 17, Number 33. August 17, 1990.

TALK WITH NSF'S DEPARTING DIRECTOR ON CHANGES, CRITICISM AND CONTRETEMPS, a Q&A with Irwin Goodwin in Washington Reports. *Physics Today*, August 1990.

WHY SCIENCE EDUCATION SHOULD BE A PRIORITY FOR GRANTMAKERS. *Philanthropy*, Number 18, July-August 1990.

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ENHANCING THE QUALITY OF SCIENCE EDUCATION IN AMERICA. *On Wisconsin*, Fall/Winter, 1989.

1986

AN EXHIBITION ON EVERYDAY CHEMISTRY - COMMUNICATING CHEMISTRY TO THE PUBLIC, with DA Ucko, R Schreiner. *Journal of Chemical Education*. 1986;63:1081-1086.

EXHORTATIONS FOR GOOD TEACHING. *Journal of Chemical Education*. 1986;63:777-780.

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THE NEED FOR SCIENCE INSTRUCTION IN YOUR CHILD'S SCHOOL. *PTA Today*, March 1985.

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CHEMICAL EDUCATION: LOOKING AHEAD. Opening Address of the 7th BCCE. August 8-12, 1982.

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COLOR, SOLUBILITY, AND COMPLEX ION EQUILIBRIA OF NICKEL(II) SPECIES IN AQUEOUS-SOLUTION, with GE Dirreen, F Juergens. *Journal of Chemical Education*. 1980;57:900-901.

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1973

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1972

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30 COLOR CHEMISTRY VIDEOTAPES, with assistants. UW Chemistry Department and WHA-TV. These tapes have been distributed for use in over 50 undergraduate institutions including University of Michigan, University of Colorado, Louisiana State University, State Univ of New York, Trinity College, Kankakee Community College.

1971

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1970

ONCE UPON A CHRISTMAS CHEERY, IN THE LAB OF SHAKHASHIRI, with Rodney Schreiner. Television program and DVD. Produced annually, 1970-2019.

1969

OXIDATION OF TRIS(1,10-PHENANTHROLINE)IRON(II) ION BY CHLORATE AND CHLORITE IONS AND CHLORINE DIOXIDE, with Gilbert Gordon. *Journal of the American Chemical Society*, 1969;91:1103-7.

1968

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