

Louise L. Ko Huang, Ph.D.

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EDUCATION

Ph.D. Agricultural & Environmental Chemistry, University of California, Davis, 2002

M.S. Polymer Science, University of California, Davis, 1999

B.S. Fiber Science, Cornell University, 1996

ACADEMIC APPOINTMENTS

2018 – Present *Assistant Dean for Undergraduate Studies*, College of Liberal Arts and Sciences (CLAS), Azusa Pacific University

2020 – Present *Assistant Director of General Education*, Azusa Pacific University

2019 – 2020 *Interim Director of General Education*, Azusa Pacific University

2016 – Present *Director*, Center for Research in Science (CRIS), Azusa Pacific University

2020 – Present *Faculty Fellow*, Honors College, Azusa Pacific University

INSTITUTIONAL APPOINTMENTS

2021 – Present *Program Director*, Environmental Studies Minor, Azusa Pacific University

2021 – Present *Chair*, Provost-Led Working Group on Student Success, RENEWAL Strategic Plan, Azusa Pacific University

2021 – Present *Co-chair*, Diversity, Equity & Inclusion Equitable Student Experience Working Group, RENEWAL Strategic Plan, Azusa Pacific University

2020 – Present *Chair*, STEM Curriculum Committee, Azusa Pacific University

2019 – Present *Chair*, Segerstrom Advisory Committee, Azusa Pacific University

2018 – Present *Launching Coordinator*, STEM Research Symposium, Azusa Pacific University

2018 – 2020 *Fulbright Program Advisor*, Azusa Pacific University

2016 – Present *Coordinator*, Association of Christian Schools International Science Fair, Azusa Pacific University

EXTERNAL AND INTERNAL GRANTS

National Science Foundation S-STEM grant administrator with James H. Yeh, Ph.D. as principal investigator, \$649,987 (2021-2026)

Scholarship & Christianity in Oxford: Supporting Structures project coordinator with Denise Edwards-Neff, Ph.D. as project director, \$104,000 (2021-2023)

Lilly Fellows Program Regional Conference grant recipient with Denise Edwards-Neff, Ph.D. as principal investigator, \$12,500 (2020-2021)

NASA California Space Grant Consortium: Workforce Development Program recurring grant recipient and campus director, \$10,000 (2020); \$8,000 (2019); \$8,000 (2018).

Oxford Seminars in Science and Religion: Bridging the Two Cultures of Science and the Humanities II, Templeton Religion Trust grant recipient, \$14,500 (2017-2019)

APU Faculty Research Council grant co-recipient with Chong-Ho Alex Yu, Ph.D., titled, “The Relevance of Undergraduate Education and Global Environmental Issues”, \$6,000 (2017-2020)

SELECTED PRESENTATIONS

Huang, L. K. and Roller, R. M. Galileo and Global Warming. 75th American Scientific Affiliation Annual Meeting, July 2021.

Yu, C. Y., **Huang, L. K.** and Yip, R. Diverse Perspectives of the Theology of Creation Care and the Science of Climate Change. 75th American Scientific Affiliation Annual Meeting, July 2021.

Huang, L. K. Faith Integration Through Building a Center for Faith, Living, and Learning. *Leaders and Faculty Retreat keynote addresses*. UniEVANGÉLICA, Anápolis, Brazil. June, 2021.

Huang, L. K. Catastrophe Meets Unity: 35 Years of Protecting the Ozone Layer. *International Day of Preservation of the Ozone Layer keynote address*. Vimala College, Kerala, India. September 2020.

Huang, L. K. Understanding Science and Our Role in a Changing Climate. *APU Alumni Academy*, Azusa, California, Fall 2020.

Huang, L. K. Could Inclusive Excellence be the Secret for the Winning Team? Classroom Strategies for Fostering Student Success. *Diversity Workshop on Classroom Strategies*. APU Center for Diversity, Equity and Inclusive Excellence, Azusa, January 2020 and November 2018.

Huang, L. K. Beauty Out of Ashes: Unexpected Transformation When We Encounter Jesus. *APU Chapel Message*. Azusa, California, September 2019.

Huang, L. K. Science and Faith: Understanding the Truth through God’s Two Books. Azusa Pacific University School of Theology and College of Liberal Arts and Sciences Kick-Off, Azusa, California, August 2019.

Huang, L. K. New Lenses for Creation Care in the Anthropocene. *Keynote address*. Heal the Land and Sea Eco Tour, Mountain and Sea Adventures, Catalina Island, California, September 2018.

Huang, L. K. Running the Race with a Secure Identity in Christ. *APU Chapel Message*. Azusa, California, December 2017.

Huang, L. K. and Yu, C. Y. The Relevance of Undergraduate Education and Climate Change Issues. 72nd American Scientific Affiliation National Meeting, Golden, Colorado, July 2017.

SELECTED PUBLICATIONS

Huang, L. K. Truly Caring for All God’s People: Combating Healthcare Disparity. *BioLogos*, April 27, 2021, www.biologos.org

Roller, R. M. and **Huang, L. K.** Galileo and Global Warming: Parallels between the Geocentrism Debate and Current Evangelical Skepticism about Anthropogenic Climate Change. *Perspectives on Science and Christian Faith*, 2020, 72:1, 3-14.

Huang, L. K. and Sun, G. Durable and Regenerable Antimicrobial Cellulose with Oxygen Bleach: Concept Proofing. *AATCC Review*, **2003**, V. 3, No. 10, 17-21.

Huang, L. K. and Sun, G. Durable and Oxygen Bleach Rechargeable Antimicrobial Cellulose: Sodium Perborate as an Activating and Recharging Agent. *Industrial and Engineering Chemistry Research*, **2003**, Vol. 42. No. 22, 5417- 5422.

Ko, L. L., Shibamoto, T. and Sun, G. A Novel Detoxifying Pesticide Protective Clothing for Agricultural Workers. *Textile Chemists & Colorists and American Dyestuff Reporter*, **2000**, V32(N2):34-38.

Ko, L. L. and Obendorf, S. K. Effect of Starch on Reducing the Retention of Methyl Parathion by Cotton and Polyester Fabrics in Agricultural Protective Clothing. *Journal of Environmental Science and Health Part B-Pesticides, Food Contaminants and Agricultural Wastes*, **1997**, V32(N2):283-294.

PATENTS

Sun, G. and **Huang, L.K.** Regenerable Antimicrobial Polymers and Fibers with Oxygen Bleaches. US Patent-No. 6,962,608. 2005.

Sun, G., **Ko, L. L.** and Shibamoto, T. US Provisional Patent-UC No. 99-393-1. 2000.

SELECTED MEDIA INTERVIEWS

“New Cotton Clothes are Healthier.” *Perspectives: A Journal of the National Institute of Environmental Health Science*, 1999, V107(N8):396.

“Clothing for Ag Workers Detoxifies Pesticides.” *Chemical & Engineering News*, 1999, V77(N15):51.

“Cotton Keeps Pesticides at Bay.” *Chemistry & Industry* (United Kingdom), 1999, N7:250.

“Rechargeable Pesticide Protective Clothing.” *KXTV 10 Evening News* (Sacramento), April 14, 1999.

SELECTED AWARDS AND HONORS

American Scientific Affiliation Fellow, 2020

Congressional Recognition for Dedication to Education, 32nd District of California Congresswoman Grace Napolitano, 2018 and 2019

Senatorial Recognition for Educational Contribution in the Community, 22nd District of California Senator Susan Rubio, 2019; 25th District of California Senator Anthony Portantino, 2018

California Legislature Assembly Certificate of Recognition for STEM Educational Service, District 48 Assemblywoman Blanca E. Rubio, 2019

Women’s Leadership Development Institute Fellow, Council for Christian Colleges and Universities, 2018

Teaching Excellence, College of Liberal Arts & Sciences, Azusa Pacific University, 2014-15

PROFESSIONAL ORGANIZATIONS

American Chemical Society

American Scientific Affiliation

SELECTED UNIVERSITY SERVICES

Member, Presidential Search Committee, APU, 2021

Member, General Education Reading & Recommendation Group funded by the Lilly Fellows Program, APU, 2021

Member, Faculty Affairs and Curricular Program Affinity Groups, Office of the Provost, APU, 2020

Member, Faculty Search Committee, Department of Math, Physics, & Statistics, APU, 2020-21;
Department of Engineering & Computer Science, APU, 2017-20

Member, Academic Vision Think Tank, APU, 2019

Member, Director Search Committee, Undergraduate & International Admissions, APU, 2019

Launching Faculty Team Member, Environmental Studies Minor Program, APU, 2018-present

Inaugural Faculty Advisor, Science & Religion Club, APU, 2018-present

Member, Engineering & Computer Science Advisory Board, APU, 2018-present

Member, Influencing Change Program, APU, 2018-19

Member, Creation Care Council, APU, 2017-present

Launching Advisory Committee Member, Big Data Discovery Summit, APU, 2016-2019

Co-chair, Department of Biology & Chemistry Internship Committee, APU, 2016-2018

Spiritual Mentor, Campus Pastor's Office, APU, 2006-present

SELECTED PROFESSIONAL SERVICES

Grant Reviewer, Scholarship & Christianity in Oxford, 2021

Planning Committee Member, American Scientific Affiliation International Winter Symposium with Dr. Francis Collins, 2020-21

Board Member, Young Life California Mount Baldy Chapter, 2020-present

Executive Editorial Board Member, Vimala Research Journal, Kerala, India, 2020-present

Curriculum Reviewer, BioLogos INTEGRATE, Spring 2020

External Program Reviewer, Chemical Sciences, California Baptist University, April 2020

Reviewer, Journal of Christian Higher Education (Faith Integration Section), 2017-present

Launching Faculty Advisor, Canyon City Environmental Project, 2017-present

Vice President of Fundraising, La Fetra School Foundation, Glendora, CA, 2013-17

INTERNATIONAL SERVICES

Faculty Advisor, Kolkata (India) Action Team, Center for Student Action, APU, Summer 2016

Team Leader, Pune (India) Short-term Mission Trip (with APU students), Summer 2014

Team Leader, Thailand and Myanmar Short-term Mission Trip (with APU students), Summer 2012 and 2013

Faculty Advisor, Mexicali Short-term Mission Team (with APU students), November 2010

REFERENCES

Available upon request