

CURRICULUM VITAE

Keisuke Ikehata, Ph.D., P.E., P.Eng.

CURRENT ACADEMIC POSITIONS HELD:

Assistant Professor

Ingram School of Engineering
Texas State University
601 University Drive
San Marcos, TX 78666-4684
U.S.A.

Tel.: +1 (512) 245-0855

E-mail: kikehata@txstate.edu

Adjunct Professor

Department of Chemical and Environmental Engineering
University of California, Riverside
A220 Bourns Hall
Riverside, California 92521
U.S.A.

E-mail: kikehata@ucr.edu

EDUCATION:

- Special Engineering Student, University of Alberta, 2007-2008: Toward Professional Engineer Registration in the Province of Alberta, Canada (12 courses taken, GPA = 3.8/4.0)
- Ph. D. (Civil & Environmental Engineering, November 20, 2003), University of Alberta, 1999-2003: Dissertation title “Production, Characterisation and Evaluation of *Coprinus* Peroxidase for Phenolic Wastewater Treatment”, Advisers: Drs. Ian D. Buchanan and Daniel W. Smith
- M. Eng. (Civil Engineering, Thesis Option, June 7, 1999), McGill University, 1997-1999: Thesis title “Characterisation of Tyrosinase for the Treatment of Aqueous Phenols”, Adviser: Dr. James A. Nicell
- B. Eng. (Applied Chemistry, March 21, 1996), Doshisha University, 1992-1996: Thesis title “Synthesis of Phenanthridine Terminated Poly(L-Glutamic Acid) as a DNA Intercalating Polypeptide” (in Japanese), Advisers: Drs. Masazo Niwa and Nobuyuki Higashi

RESEARCH INTERESTS & AREAS OF EXPERTISE:

- Advanced Water and Wastewater Treatment, Desalination and Water Reuse
 - Ozone, ultraviolet, and advanced oxidation processes (AOPs)
 - Disinfection and disinfection by-product
 - Taste & odor control
 - Brackish groundwater desalination
 - Water reclamation and reuse (non-potable and potable reuse)
 - Novel biological treatment using algae and fungi
 - Novel analytical techniques for potable reuse
 - Industrial and agricultural wastewater management

- Environmental Biochemistry, Microbiology and Toxicology
 - Novel biocatalysts for environmental applications (waste treatment, bioremediation, and waste bioconversion, energy production, and reuse)
 - Xenobiotics toxicology and human and environmental health risk assessment
 - Toxicology of carcinogenic disinfection byproducts (e.g., bromate)
- Environmental Chemistry and Geochemistry
 - River, lake, and reservoir water quality management
 - Contaminated site and groundwater remediation
 - Fate and transport of trace organic and inorganic contaminants
 - Irrigation water quality improvement
 - Stormwater quality management

PROFESSIONAL AFFILIATIONS:

- Member, American Chemical Society, 1999 (Orange County Section, 2009)
- Member, American Water Works Association, 2006 (Western Canada Section 2006-2009, California-Nevada Section, 2009)
- Member, Chemical Society of Japan, 1995
- Member, International Ozone Association – Pan American Group, 2006
- Member, International Water Association, 2018
- Member, Japan Ozone Association, 2014
- Member, Japanese Society of Environmental Toxicology, 1998
- Member, Japanese Society of Phycology, 2017
- Member, Mycological Society of Japan, 2006
- Member, Water Environment Federation, 2006 (Western Canada Section 2006-2009, California Water Environment Association, 2009)

PROFESSIONAL REGISTRATIONS:

- Professional Engineer (Environmental), Association of Professional Engineers, Geologists and Geophysicists of Alberta, August 24, 2011, License # 87949
- Professional Engineer (Environmental), Arizona Board of Technical Registration, January 22, 2013, License # 54466

PROFESSIONAL ACTIVITIES:

- Chair (2018-present), Vice chair (2017-2018), Joint Section Research Committee, American Water Works Association.
- Associate, Committee on Environmental Improvement, American Chemical Society, 2017-present.
- Member, Editorial Board, *Ozone: Science and Engineering*, 2017-present.
- Chair (2019-2019), Chair Elect (2017-2018), Alternate Councilor (2016-2019), and Executive Committee Member (2014-2019), Environmental Committee Member (2013-2019), Orange County Local Section, American Chemical Society
- Vice President, Executive Operating Committee and Board Member, International Ozone Association-Pan American Group, 2017-2019.
- Chair, Technical Program Committee, International Ozone Association-Pan American Group, 2018.

- Chair (2017-2019), Vice chair (2015-2017), Secretary (2013-2015), Research Committee, California-Nevada Section of the American Water Works Association, 2015-2017 (Committee member since 2012).
- Member, Water Quality Subcommittee, Promotion of Ozone Technologies in Drinking Water Treatment in Japan, Japan Ozone Association, 2014-present.
- Co-chair, Technical Program Committee, International Ozone Association World Congress in Washington, DC, August 13-17, 2017.
- Co-chair, Technical Program Committee, International Ozone Association-Pan American Group 2016 Annual Conference in Las Vegas, Nevada, August 28-31, 2016.
- Program Co-chair (with Dr. Michael Kleinman, University of California, Irvine), 2015 Western Regional Meeting of the American Chemical Society in San Marcos, California, November 6-8, 2015.
- Member, Technical Program Committee, International Ozone Association-Pan American Group 2015 Annual Conference in Dallas, Texas, September 19-22, 2015.
- Member, Technical Program Committee, International Ozone Association-Pan American Group 2014 Annual Conference in Montreal, Quebec, August 24-27, 2014.
- Member, Technical Program Committee, 3rd Joint International Ozone Association and International Ultraviolet Association World Congress in Las Vegas, Nevada, September 22-25, 2013.
- Member, Technical Program Committee, International Ozone Association – Pan American Group 2012 Annual Conference in Milwaukee, Wisconsin, September 23-26, 2012.
- Co-Chair (with Mr. Eric C. Wert, Southern Nevada Water Authority), Technical Program Committee, International Ozone Association – Pan American Group 2010 Annual Conference in Seattle, Washington, September 19-22, 2010.
- Member, Technical Program Committee, 19th Ozone World Congress & Exhibition in Tokyo, Japan, August 31-September 3, 2009.
- Co-Organizer (with Dr. Tadao Mizuno, Kyoto University) and Modulator, Emerging Contaminants Pre-Conference Workshop, 19th Ozone World Congress & Exhibition in Tokyo, Japan, August 31, 2009.
- Co-Chair (with Dr. Daniel W. Smith, University of Alberta), Technical Program Committee, International Ozone Association – Pan American Group 2008 Annual Conference in Orlando, Florida, August 24-27, 2008.
- Vice Chair, Technical Program Committee, International Ozone Association-International Ultraviolet Association Joint World Congress in Los Angeles, California, August 27-29, 2007.
- Mini-symposium Co-Organizer and Co-Chair (with Dr. Shane A. Snyder, Southern Nevada Water Authority), International Ozone Association-International Ultraviolet Association Joint World Congress in Los Angeles, California, August 27-29, 2007.
- Member, Technical Program Committee, International Ozone Association – Pan American Group Annual Conference in Arlington, Texas, September 17-20, 2006.
- Member, Water Environment Federation Technical Review Committee – Health Effects Associated with Wastewater Treatment, Disposal, and Reuse, 2006-2010, 2011-2015.
- Peer reviewer:
 - Journals: *AICHE Journal*, *Applied Catalysis B: Environmental*, *Applied Engineering in Agriculture*, *Applied Water Science*, *Bioresource Technology*, *Biotechnology and Bioengineering*, *Biotechnology Progress*, *Canadian Journal of Microbiology*, *CAB Reviews*, *Chemical Engineering Journal*, *Chemosphere*, *Enzyme and Microbial Technology*, *Environment International*, *Environmental Chemistry Letters*, *Environmental Research*, *Environmental Science & Technology*, *Environmental Toxicology and Chemistry*, *International Journal of Environmental Analytical Chemistry*, *International Journal of Quantum Chemistry*, *Journal of Advanced Oxidation*

Technologies, Journal of Chemical Technology and Biotechnology, Journal of Environmental Engineering, Journal of Environmental Engineering and Science, Journal of Environmental Management, Journal of Water and Environment Technology, Ozone: Science and Engineering, Process Biochemistry, Recent Patents on Engineering, Science of the Total Environment, Transactions of the ASABE, Water Research

- Conferences: 2017 IOA World Congress (Washington, DC), IOA-PAG Annual Conferences (2008, 2010, 2012, 2014, 2015, 2016), 2013 IOA-IUVA Joint World Congress (Las Vegas, Nevada), 2010 IWA World Water Congress (Montreal, Quebec), IOA-IUVA Joint World Congress 2007 (Los Angeles, California)
- Grants: Australian Antarctic Science Program (Australia), Environment and Water Industry Programme Office, PUB (Singapore), National Research Foundation (Singapore), Swiss National Science Foundation (Switzerland)

SCHOLARSHIPS & AWARDS:

- 2019 – Professional Development Fund Award for UCR Unit 18 Members, the University of California, Riverside, June 2019, US\$1,016.64
- 2018 – Professional Development Fund Award for UCR Unit 18 Members, the University of California, Riverside, June 2018, US\$1,169.12
- 2015 – Service Recognition Award, Western Regional Meeting, American Chemical Society, November 2015
- 2014 – Certificate of Appreciation, Japan Ozone Association, August 2014
- 2010 – Service Recognition Award, International Ozone Association-Pan American Group, September 2010
- 2008 – Service Recognition Award, International Ozone Association-Pan American Group, August 2008
- 2007 – Service Recognition Award, International Ozone Association-International Ultraviolet Association, August 2007
- 2002 – Certificate of Merit Award, Division of Environmental Chemistry, American Chemical Society, August 2002
- 2000-2003 – Graduate Intern Tuition Supplement, University of Alberta, Edmonton, AB, Canada
- 1996-1997 – Nihon Ikueikai Graduate Scholarship, Japan

FUNDED RESEARCH PROJECTS:

- 2020 – **Principal Investigator – Research Enhancement Program, Texas State University:** Dual-Purpose Water Purification System for Direct Potable Use of Stormwater and Reclaimed Water – Feasibility Study, US \$8,000
- 2019-2020 – **Principal Investigator – Industrial Collaborative Research:** US\$18,500
- 2017-2018 – **Principal Investigator – U.S. Bureau of Reclamation, Pitch-to-Pilot Program:** Development of Novel Photobiological Process to Improve Water Recovery in Brackish Groundwater Desalination, Agreement No. R17AC00036, US\$100,000
- 2017 – **Principal Investigator – National Science Foundation, Small Business Innovation Research, Phase I:** Development of Novel Photobiological Process to Improve Water Recovery in Brackish Groundwater Desalination, Award No. 1648495, US\$225,000
- 2009 – **Co-Principal Investigator – CONRAD Bitumen Production Fundamental Research Group:** Comparison of Deionization Technologies for the Treatment of Basal Depressurization Water and Oil Sands Process-Affected Water, Can\$80,500, PI: Y. Liu, K. Ikehata, M. Gamal El-Din and H. Li

- 2009 – **Lead Scientist – Hitachi Plant Technologies, Ltd.:** Development of COD Removal Process for Oil Sands Process Affected Waters, Can\$45,000, PI: I.D. Buchanan

EMPLOYMENT HISTORY:

July 2019 – Present

Assistant Professor, Ingram School of Engineering, Texas State University, San Marcos, TX

- Advising two graduate research assistants (1 PhD in Material Science, Engineering, and Commercialization and MS in Engineering, Civil Engineering) and one undergraduate research assistant (Biology)
- Co-advising one graduate student (MS in Engineering, Civil Engineering)

October 2018 – Present

Adjunct Professor, Department of Chemical and Environmental Engineering, University of California, Riverside, Riverside, CA

- Teaching undergraduate environmental engineering courses
 - ENVE 142 Water Quality Engineering in Winter 2019
 - ENVE 146 Water Quality Systems Design in Spring 2019
- Participating in multiple collaborative research projects on water quality, water treatment, and water reuse with researchers at the University of California, Riverside, California State University, Fullerton, Fukui Prefectural University, Orange County Water District, California State University, Dominguez Hills, Nagasaki University, and Kagoshima University

August 2018 – May 2019

Lecturer, Department of Chemistry and Biochemistry, California State University, Fullerton, Fullerton, CA

- Teaching undergraduate a general chemistry course for engineering students
 - Chem 123 Chemistry for Engineers in Fall 2018 and Spring 2019

April 2018 – October 2018

Lecturer, Department of Chemical and Environmental Engineering, University of California, Riverside, Riverside, CA

- Taught undergraduate environmental engineering course
 - ENVE 146 Water Quality Systems Design in Spring 2018

April 2018 – Present

Owner/Consultant, Jeux d'eau Knowledge and Innovation, New Braunfels, TX

- Provided professional consultation services in the areas of water and wastewater treatment, water quality engineering, water resources management, and water reuse

December 2009 – March 2018

Advanced Water R&D Manager, Technical Specialist II, Pacific Advanced Civil Engineering, Fountain Valley, CA

- Established and managed an R&D group and PACE Environmental Water Laboratory that consisted of a wet chemistry lab and a bench- and pilot-scale treatment lab with two full-time Ph.D. research scientists, two full-time MS/BS research engineer, one R&D technician, and one/two interns
- Established a federally funded R&D program to develop a novel photobiological treatment process for potable reuse and brackish water desalination

- NSF Small Business Innovation Research (SBIR) Phase I
- US Bureau of Reclamation Pitch to Pilot Program
- Provided professional consultation for >120 clients and partners world-wide in the areas of water quality (surface water, groundwater, recycled water, and stormwater), drinking water treatment, reservoir management, municipal, agricultural, and industrial wastewater treatment, treatment facility conceptual design, color, taste & odor control, disinfection and disinfection by-product control, trace contaminant removal, desalination, and water reuse facility design
- Conducted bench-, pilot-, and full-scale tests for >30 water treatment, wastewater treatment, contaminated site remediation, and water reuse projects
- Developed novel water and wastewater treatment technologies
 - RO concentrate management for potable water reuse and brackish groundwater desalination (one U.S. patent)
 - Agricultural water reuse
 - Oil and gas wastewater treatment
- Supervised and mentored two Ph.D. research scientists, five master's research engineers/scientists, four bachelor's engineers/scientists, one associate degree laboratory technician, four graduate interns (three Ph.D. and one master's), and one undergraduate student intern.

April 2009 – October 2009

Research Associate, Department of Civil & Environmental Engineering, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Yang Liu

- Investigated the toxicity of aqueous suspension of buckyball fullerene (C₆₀) in *Escherichia coli* using molecular and proteomic techniques
- Supervised one undergraduate summer student

January 2009 – October 2009

Research Associate, Department of Civil & Environmental Engineering, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Ian D. Buchanan

- Developed a novel water treatment system for oil sands process affected water in collaboration with Hitachi Plant Technologies, Ltd. and Suncor Energy Ltd.
- Supervised one M.Sc. student and one undergraduate summer student

August 2008 – December 2008

Research Associate (Casual), Department of Civil & Environmental Engineering, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Daniel W. Smith

- Investigated the reductions of nutrients and emerging contaminants in wastewater lagoons

July 2008 – August 2008

Research Associate (Casual), Department of Civil & Environmental Engineering, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Ian D. Buchanan

- Supervised two M.Sc. students' research projects at Gold Bar Wastewater Treatment Plant, Edmonton, Alberta

December 2006 – December 2007

Research Associate, Department of Civil & Environmental Engineering, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Mohamed Gamal El-Din

- Investigated chemical destruction methods for the treatment of prion proteins in water and wastewater by ozone and advanced oxidation
- Comprehensive literature review
- Advanced oxidation reactor design
- Preliminary experiments on engineered non-infectious prion model proteins by ozone and advanced oxidation (e.g., ozone/hydrogen peroxide, ozone/UV, and hydrogen peroxide/UV)
- Supervised research activities of a research group composed of seven M.Sc. students, one NSERC summer student, two WISEST summer students and one research assistant
- Advanced oxidation treatment of organic pollutants in water and wastewater (naphthenic acids, cyanotoxins, estrogens, and pesticides)
- Oil sands tailings pond water and oil sands bitumen upgrader wastewater treatment (in collaboration with Syncrude Canada and Suncor Energy)
- Petroleum refinery wastewater treatment and contaminant removal (in collaboration with Petro Canada)
- Optimization of secondary clarifier and aerated grit chambers in municipal wastewater treatment plant

January 2006 – April 2007

Sessional Lecturer/Laboratory Instructor, University of Alberta, Edmonton, AB, Canada

- Environmental Engineering Fundamentals Laboratories (CivE 221, Undergraduate Level)
- Environmental Engineering Measurement I (Civ E 620, Graduate Level)
- Environmental Engineering Measurement II (Civ E 627, Graduate Level)

August 2005 – November 2006

Postdoctoral Research Associate, University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Mohamed Gamal El-Din

- Investigated the destruction of cyanobacterial toxins by ozonation and advanced oxidation
- Conducted comprehensive literature surveys on advanced oxidation treatment of pharmaceuticals in water and wastewater
- Participated in the following research projects:
 - Chlorination of cyanobacterial toxins in water
 - Physical-chemical, ultraviolet irradiation, and soil-based treatment of liquid swine manure and reuse of treated liquid manure
- Advanced wastewater treatment of petroleum refinery wastewater, oil sands tailings water, and biologically treated municipal wastewater for reclamation and reuse
- Degradation of naphthenic acids in oil sands process waters (in collaboration with Syncrude Canada)
- Advanced oxidation treatment of estrogenic endocrine disrupting compounds in municipal wastewater
- Supervised research activities of a group consisting of three Ph.D. and five M.Sc. students

June 2004 – June 2005

Postdoctoral Research Associate, Department of Medicinal Chemistry, University of Kansas, Lawrence, KS, USA, Advisor: Dr. Robert P. Hanzlik

- Conducted research on cytotoxic reactive metabolites of xenobiotics, including thiobenzamide and halothane, identified hepatic target proteins of reactive metabolites

- Syntheses of ¹⁴C- and ¹³C-labelled thiobenzamide for dosing
- Syntheses and characterisation of haptenised proteins for polyclonal antibody production
- Production and characterisation of polyclonal antibodies specific to trifluoroacetylated and benzoylated proteins by enzyme-linked immunosorbent assay (ELISA) and western blotting with synthesised competitive inhibitors
- Analysis and identification of rat liver proteins modified by reactive metabolites of thiobenzamide using ELISA, 2-D electrophoresis, western blotting, and phosphor image
- Hands-on experience with radio synthesis, rabbit immunization, rat liver protein preparation, ¹H-, ¹³C-, and ¹⁹F-NMR, electrophoresis, HPLC, and LC-ESI-MS

December 2003 – May 2004

Postdoctoral Research Associate, Department of Civil & Environmental Engineering,
University of Alberta, Edmonton, AB, Canada, Advisor: Dr. Mohamed Gamal El-Din

- Investigated the degradation of toxic and persistent organic compounds such as resin and fatty acids, and cyanotoxins by ozonation and advanced oxidation
- Conducted comprehensive literature surveys on advanced oxidation treatment of synthetic surfactants and pesticides in water and wastewater

BIBLIOGRAPHY:

Refereed journal articles (including research papers and invited reviews):

1. Ikehata, K., Nakamura, N., Kulkarni, H.V., Zhao, Y., Maleky, N., and Sato, S. (2019) Isolation and evaluation of brackish water diatoms from evaporation ponds for the treatment of silica- and nutrient-rich brackish wastewater. (submitted)
2. Ikehata, K., Zhao, Y., Kulkarni, H. V., Li, Y. (2019) Treatment of RO concentrate from six potable reuse facilities in the southwestern U.S. with a new photobiological process. *Water Supply* **19**:6, 1661-1667.
3. Kulkarni, H., Zhao, Y., and Ikehata, K. (2019) Factors influencing photobiological treatment process to remove reactive silica from brackish groundwater reverse osmosis concentrate. *Desalination* **452**, 114-122, DOI: 10.1016/j.desal.2018.11.009.
4. Ikehata, K., Zhao, Y., Kulkarni, H.V., Li, Y., Snyder, S.A., Ishida, K.P., Anderson, M.A. (2018) Water recovery from advanced water purification facility reverse osmosis concentrate by photobiological treatment followed by secondary reverse osmosis. *Environmental Science & Technology* **52**:12, 8588-8595, DOI: 10.1021/acs.est.8b00951.
5. Ikehata, K., Li, Y., Komor, A.T., and Gibson, G.W. (2018) Free chlorine disinfection of full-scale MBR effluent to achieve 5-log virus inactivation. *Water Environment Research* **90**:7, 623-633, DOI: 10.2175/106143017X15131012153103.
6. Ikehata, K., Zhao, Y., Ma, J., Komor, A.T., Maleky, N., and Anderson, M.A. (2018) A novel photobiological process for reverse osmosis concentrate treatment using brackish water diatoms. *Water Science and Technology: Water Supply* **18**:2, 594-602, DOI: 10.2166/ws.2017.142.
7. Fujioka, T., Masaki, S., Kodamatani, H., and Ikehata, K. (2017) Degradation of *N*-nitrosodimethylamine by UV-based advanced oxidation processes for potable reuse: A short review. *Current Pollution Report*, **3**:2, 79-87, DOI 10.1007/s40726-017-0052-x.
8. Ikehata, K., Zhao, Y., Maleky, N., Komor, A.T., and Anderson, M.A. (2017) Aqueous silica removal from agricultural drainage water and reverse osmosis concentrate by brackish water diatoms in semi-batch photobioreactors. *Journal of Applied Phycology* **29**:1, 223-233, DOI 10.1007/s10811-016-0907-3.
9. Ikehata, K., Wang-Staley, L., Qu, X., and Li, Y. (2016) Treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds

- using advanced oxidation processes. *Ozone: Science and Engineering* **38**:6, 413-424, DOI 10.1080/01919512.2016.1198686.
10. Anderson, M.A., Komor, A.K., and Ikehata, K. (2014) Flow routing with bottom withdrawal to improve water quality. *Lake and Reservoir Management* **30**:2, 131-142.
 11. Ikehata, K., Wang, L., Nessler, M.B., Komor, A.T., Cooper, W.J., and McVicker R.R. (2013) Effect of ammonia and chloramine pretreatment during the ozonation of a colored groundwater with elevated bromide. *Ozone: Science and Engineering* **35**:6, 438-447.
 12. Ikehata, K., Duzhak, T.G., Galeva, N.A., Ji, T., Koen, Y.M., and Hanzlik, R.P. (2008) Protein targets of reactive metabolites of thiobenzamide in rat liver *in vivo*. *Chemical Research in Toxicology* **21**:7, 1432-1442.
 13. Nakonechny, M., Ikehata, K., and Gamal El-Din, M. (2008) Kinetics of estrone ozone/hydrogen peroxide advanced oxidation treatment. *Ozone: Science and Engineering* **30**:4 249-255.
 14. Ikehata, K., Gamal El-Din, M., and Snyder, S.A. (2008) Ozonation and advanced oxidation treatment of emerging organic pollutants in water and wastewater. *Ozone: Science and Engineering* **30**:1, 21-26.
 15. Ji, T., Ikehata, K., Koen, Y.M., Esch, S.W., Williams, T.D., and Hanzlik, R.P. (2007) Covalent modification of microsomal lipids by thiobenzamide metabolites *in vivo*. *Chemical Research in Toxicology* **20**:4, 701-708.
 16. Yang, H., Xiao, J., Gamal El-Din, M., Buchanan, I.D., Bromley, D. and Ikehata, K. (2007) Soil-based treatment of partially treated liquid swine manure. *Environmental Technology* **28**:1, 59-70.
 17. Ikehata, K., Naghashkar, N.J., and Gamal El-Din, M. (2006) Degradation of aqueous pharmaceuticals by ozonation and advanced oxidation processes: A review. *Ozone: Science and Engineering* **28**:6, 353-414.
 18. Gamal El-Din, M., Smith, D.W., Al Momani, F., and Ikehata, K. (2006) Ozone treatment for the degradation of resin and unsaturated fatty acids at low temperatures. *Journal of Environmental Engineering and Science* **5**:S1, S95-S102.
 19. Singh, P., Gamal El-Din, M., Ikehata, K., Bromley, D., and Craik, S.A. (2006) UV inactivation of bacteria in raw and pre-treated liquid swine manure. *Environmental Technology* **27**:11, 1261-1270.
 20. Singh, P., Gamal El-Din, M., Bromley, D., and Ikehata, K. (2006) Alum settling and filtration treatment of liquid swine manure. *Transactions of the ASABE* **49**:5, 1487-1494.
 21. Ikehata, K. and Gamal El-Din, M. (2006) Aqueous pesticide degradation by hydrogen peroxide/ultraviolet irradiation and Fenton-type advanced oxidation processes: A review. *Journal of Environmental Engineering and Science* **5**:2, 81-135.
 22. Ikehata, K., Buchanan, I.D., Pickard, M.A., and Smith, D.W. (2005) Purification, characterization and evaluation of extracellular peroxidase from two *Coprinus* species for aqueous phenol treatment. *Bioresource Technology* **96**:16, 1758-1770.
 23. Ikehata, K. and Gamal El-Din, M. (2005) Aqueous pesticide degradation by ozonation and ozone-based advanced oxidation processes: A review (Part II). *Ozone: Science and Engineering* **27**:3, 173-202.
 24. Ikehata, K. and Gamal El-Din, M. (2005) Aqueous pesticide degradation by ozonation and ozone-based advanced oxidation processes: A review (Part I). *Ozone: Science and Engineering* **27**:2, 83-114.
 25. Ikehata, K., Pickard, M.A., Buchanan, I.D., and Smith, D.W. (2004) Optimization of extracellular fungal peroxidase production by two *Coprinus* species. *Canadian Journal of Microbiology* **50**:12, 1033-1040.
 26. Ikehata, K. and Gamal El-Din, M. (2004) Degradation of recalcitrant surfactants in wastewater by ozonation and advanced oxidation processes: A review. *Ozone: Science and Engineering* **26**:4, 327-343.

27. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2004) Recent developments in the production of extracellular fungal peroxidases and laccases for waste treatment. *Journal of Environmental Engineering and Science* **3**:1, 1-19.
28. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2004) Extracellular peroxidase production by *Coprinus* species from urea treated soil. *Canadian Journal of Microbiology* **50**:1, 57-60.
29. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2003) Treatment of oil refinery wastewater using crude *Coprinus cinereus* peroxidase and hydrogen peroxide. *Journal of Environmental Engineering and Science* **2**:6, 463-472.
30. Ikehata, K. and Buchanan, I.D. (2002) Screening of *Coprinus* species for the production of extracellular peroxidase and evaluation of the enzyme for the treatment of aqueous phenol. *Environmental Technology* **23**:12, 1355-1368.
31. Ikehata, K. and Nicell, J.A. (2000) Color and toxicity removal following tyrosinase-catalyzed oxidation of phenols. *Biotechnology Progress* **16**:4, 533-540.
32. Ikehata, K. and Nicell, J.A. (2000) Characterization of tyrosinase for the treatment of aqueous phenols. *Bioresource Technology* **74**:3, 191-199.

Invited book chapters and articles:

33. Ikehata, K. (2018) Chapter 9: Recent research on ozonation by-products in water and wastewater treatment: Formation, control, mitigation, and other relevant topics. in *Recent Advances in Water and Wastewater Treatment*, Thanh, B.X, Chiemchaisri, C., Fujioka, T., and Varjani, S. (Eds.), Springer Publishing Company, pp. 117-144.
34. Ikehata, K. and Li, Y. (2018) Chapter 5: Ozone-based Processes. in *Advanced Oxidation Processes for Wastewater Treatment – Emerging Green Chemical Technology*, Ameta, S. and Ameta, R. (Eds.), Elsevier S&T Book, Academic Press, Cambridge, MA, ISBN: 978-0-128104996, pp. 115-134.
35. Ikehata, K. (2016) Chapter 2: Applications of ozone technologies in North America (in Japanese). in *Ozone Handbook*, 2nd Edition, Japan Ozone Association (Ed.), Sanyu Publishing, Yokohama, Japan, ISBN 978-4-9909233-0-3, pp. 17-36.
36. Ikehata, K. (2015) Enzymatic treatment of wastewater containing synthetic dyes using fungal laccases and peroxidases. in *Dyes Removal from Waste Water Using Green Technologies*. Sharma, S.K. (Ed.) Wiley-Scrivener Publishing, Beverly, Massachusetts, ISBN 978-1-118-72099-8, pp. 203-260.
37. Ikehata, K., Komor, A.T., and Jin, Y. (2015) Removal of iron and manganese from water – Chemistry and engineering considerations. in *Heavy Metals in Water: Presence, Removal and Safety*. Sharma, S.K. (Ed.) Royal Society of Chemistry, London, UK, ISBN 978-1-84973-885-9, pp. 122-140.
38. Ikehata, K., Jin, Y., Maleky, N., and Lin, A. (2015) Heavy metal pollution in water resources in China – Occurrence and public health implications. in *Heavy Metals in Water: Presence, Removal and Safety*. Sharma, S.K. (Ed.) Royal Society of Chemistry, London, UK, ISBN 978-1-84973-885-9, pp. 141-167.
39. Ikehata, K. (2013) Wastewater treatment using a fungal peroxidase from *Coprinopsis* species (in Japanese). in *Kinrui no Jiten (Encyclopedia of Fungi)*, Mycological Society of Japan (Ed.) Asakura Publishing, Tokyo, Japan, ISBN 978-4-254-17147-1 C3545, pp. 544-545.
40. Ikehata, K. (2013) Hazardous agents in wastewater: Public health impacts and treatment options for safe disposal and reuse. In *Wastewater Reuse and Management*, Sharma, S.K. and Sanghi (Eds.) Springer, Dordrecht, the Netherlands, ISBN 978-94-007-4942-9 (eBook), 978-94-007-4941-2 (Hardcover), pp. 165-191.
41. Ikehata, K. and Liu, Y. (2011) Land disposal of wastes. in *Encyclopedia of Environmental Health*, Nriagu, J. (Ed.) Elsevier B.V., Amsterdam, Netherlands, ISBN 978-0444522733, pp. 353-361.

42. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2003) Production of enzymes for environmental applications. A review. in *Wastewater Treatment Using Enzymes*, A. Sakurai (Ed.) Research Signpost, Kerala, India, ISBN 81-7736-172-4, pp. 1-40.

Project reports:

43. Ikehata, K. and Kulkarni, H.V. (2018) Development of a Novel Photobiological System to Improve Water Recovery in Brackish Groundwater Desalination. Desalination and Water Purification Research and Development Program Report Prepared for the Bureau of Reclamation under Agreement No. R17AC00036, March 23, 2018, U.S. Department of the Interior, Bureau of Reclamation, Technical Service Center, Denver, Colorado.
44. Yamamura, S., Ikehata, K., Isa, T., Kato, Y., Kakinuma, M., Kawachi, T., Sasaki, T., Nagashio, D., Yao, M., Yamaguchi, T., Tanaka, K. (2015) Ozone Drinking Water Treatment Water Quality Subcommittee Report (in Japanese). Japan Ozone Association, Tokyo, Japan.
45. Ikehata, K. and Buchanan, I.D. (2000) Colour and chloride removal from pulp mill effluent using ion-exchange resins. Sustainable Forest Management Network Project Report 2000-18, University of Alberta, Edmonton, Alberta.

Books (Edited proceedings):

46. Wert, E.C. and Ikehata, K., Eds. (2010) *Proceedings of the International Ozone Association-Pan American Group 2010 Annual Conference*, International Ozone Association, Scottsdale, Arizona, ISBN 978-0-9818837-4-8 (CD-ROM).
47. Ikehata, K. and Smith, D.W., Eds. (2008) *Proceedings of the International Ozone Association-Pan American Group 2008 Annual Conference*, International Ozone Association, Scottsdale, Arizona, ISBN 978-0-9818837-1-7 (CD-ROM), 681 pages.
48. Ikehata, K., Bolton, J.R., Gamal El-Din, M., and Smith, D.W., Eds. (2007) *Proceedings of the IOA-IUVA Joint World Congress*, International Ozone Association and International Ultraviolet Association, Scottsdale, Arizona (CD-ROM), 260 papers.

Water Environment Research annual literature review sections:

49. Qu, X., Zhao, Y., Yu, R., Li, Y., Falzone, C., Smith, G., and Ikehata, K. (2016) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **88**:10, 1823-1855.
50. Li, Y., Qu, X., Yu, R. and Ikehata, K. (2015) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **87**:10, 1817- 1848.
51. Jin, Y., Qu, X., Li, Y., Yu, R. and Ikehata, K. (2014) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **86**:10, 1970-1993.
52. Jin, Y., Maleky, N. Kramer, N.A. and Ikehata, K. (2013) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **85**:10, 1954-1977.
53. Wang, L., Ferons, D.P., Ma, W., Nessler, M.B., Peterson, J.D., Jin, Y. and Ikehata, K. (2012) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **84**:10, 1824-1855.
54. Peterson, J.D., Murphy, R.R., Jin, Y., Wang, L., Nessler, M.B., and Ikehata, K. (2011) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **83**:10, 1853-1875.
55. Ikehata, K., Murphy, R.R., Liu, Y., Sun, R.N., and Nessler, M.B. (2010) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **82**:10, 2047-2066.
56. Yang, X., Ikehata, K., Lerner, R., Hu, Y., Josyula, K., Chang, S., and Liu, Y. (2010) Agricultural wastes. *Water Environment Research* **82**:10, 1396-1425.
57. Ikehata, K., Liu, Y., and Sun, R. (2009) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **81**:10, 2126-2146.

58. Yang, X., Pattison, S., Lin, Y., Ikehata, K., Lau, B., Chang, S. and Liu, Y. (2009) Agricultural wastes. *Water Environment Research* **81**:10, 1490-1544.
59. Buchanan, I.D., Liang, H.-C., Khan, W., Singh, R., Liu, Z., Ikehata, K. and Chelme-Ayala, P. (2009) Pesticides and herbicides. *Water Environment Research* **81**:10, 1731-1816.
60. Ikehata, K. and Pui, O. (2008) Health effects associated with wastewater treatment, reuse, and disposal. *Water Environment Research* **80**:10, 1980-1996.
61. Chelme-Ayala, P., Li, X., Nour, M., Gamal El-Din, M., Ikehata, K., and Smith, D.W. (2007) Pesticides and Herbicides. *Water Environment Research* **79**:10, 1766-1850.
62. Fu, H., Ikehata, K., Buchanan, I.D., and Gamal El-Din, M. (2007) Health effects associated with wastewater treatment, disposal, and reuse. *Water Environment Research* **79**:10, 2161-2169.
63. Oppenländer, T., Molla, S., Ikehata, K., El-Din, A.G., and Gamal El-Din, M. (2007) Petrochemicals. *Water Environment Research* **79**:10, 1698-1732.
64. Wesley, M.J., Pikus, W., Ikehata, K., Fu, H., El-Din, A.G., Bressler, D., and Gamal El-Din, M. (2007) Agricultural wastes. *Water Environment Research* **79**:10, 1568-1612.
65. Hoeksema, G., Cheperdak, L., Ikehata, K., Gamal El-Din, M., Kindzierski, W.B., and El-Din, A.G. (2007) Automotive wastes. *Water Environment Research* **79**:10, 1613-1629.
66. Ikehata, K., Gamal El-Din, M., and Gochenour, L.N. (2006) Health effects associated with wastewater treatment, disposal, and reuse. *Water Environment Research* **78**:10, 2086-2096.
67. Guest, R.K., Ikehata, K., Gamal El-Din, M., and Smith, D.W. (2006) Pesticides and Herbicides. *Water Environment Research* **78**:10, 1755-1801.
68. Eman, B., Ikehata, K., Singh, P., and Gamal El-Din, M. (2006) Petrochemicals. *Water Environment Research* **78**:10, 1699-1716.
69. Ikehata, K., Bressler, D., Singh, P., Kaddah, M., and Gamal El-Din, M. (2006) Agricultural wastes. *Water Environment Research* **78**:10, 1525-1562.
70. Cheperdak, L., Hoeksema, G., Wesley, M.J., Singh, P., El-Din, A.G., Ikehata, K., Kindzierski, W.B., and Gamal El-Din, M. (2006) Automotive wastes. *Water Environment Research* **78**:10, 1563-1584.

Papers in conference proceedings:

71. Ikehata, K., Kulkarni, H.V., Zhao, Y., and Li, Y. (2018) Enhanced fresh water recovery from brackish groundwater RO concentrate by a photobiological process and secondary RO, *Proceedings of the IWA World Water Congress & Exhibition 2018*, 16-21 September 2018, Tokyo, Japan.
72. Ikehata, K., Zhao, Y., Kulkarni, H.V., Li, Y. (2018) Treatment of RO concentrate from 5 potable reuse facilities in the southwestern U.S. with a new photobiological process. *Proceedings of the IWA World Water Congress & Exhibition 2018*, 16-21 September 2018, Tokyo, Japan.
73. Ikehata, K. (2018) International Ozone Association – Pan American Group (IOA-PAG) Activity Report 2018. *Proceedings of the 27th Annual Conference on Ozone Science and Technology in Japan*, June 21-22, 2017, Hiroshima, Japan, 151-152.
74. Ikehata, K., Zhao, Y., Ma, J., Komor, A.T., Maleky, N., Anderson, M.A. (2017) A novel photobiological process for reverse osmosis concentrate treatment using brackish water diatoms. *Proceedings of the 11th IWA International Conference on Water Reclamation and Reuse*, July 23-27, 2017, Long Beach, CA.
75. Ikehata, K., Zhao, Y., and Kulkarni, H.V. (2017) Application of ozone in wastewater treatment – Use in potable reuse (in Japanese), *Proceedings of the 26th Annual Conference on Ozone Science and Technology in Japan*, June 15-16, 2017, Tokyo, Japan, 97-100.

76. Ikehata, K. (2016) Recent progress in wastewater treatment using ozone in the United States (in Japanese), *Proceedings of the 34th Ozone Technology Workshop*, December 1-2, 2016, Tokyo, Japan, 45-51.
77. Ikehata, K., Isaji, C., Kakinuma, M. and Yamamura, S. (2016) Role of ozone in advanced water treatment and advanced water purification – Japanese and North American perspectives (in Japanese), *Proceedings of the 25th Annual Conference on Ozone Science and Technology in Japan*, May 26-27, 2016, Kyoto, Japan, 77-80.
78. Isaji, C., Ikehata, K. and Yamamura, S. (2016) Combination of ozonation with slow sand or rapid sand filtration (in Japanese), *Proceedings of the 25th Annual Conference on Ozone Science and Technology in Japan*, May 26-27, 2016, Kyoto, Japan, 93-96.
79. Overby, J. and Ikehata, K. (2016) IOA Pan American Group activity report – 2016 (in English with Japanese translation), *Proceedings of the 25th Annual Conference on Ozone Science and Technology in Japan*, May 26-27, 2016, Kyoto, Japan, 17-24.
80. Ikehata, K., Wang-Staley, L., Qu, X., and Li, Y. (2015) Advanced oxidation treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds. *Proceedings of the International Ozone Association-Pan American Group Annual Conference & Expo – Dallas, Texas 2015*, September 20-23, 2015, Dallas, Texas, 26 pages.
81. Ikehata, K. (2015) Remediation of contaminated groundwater with advanced oxidation processes (in Japanese), *Proceedings of the 24th Annual Conference on Ozone Science and Technology in Japan*, May 28-29, 2015, Tokyo, Japan, 95-98.
82. Ikehata, K., Jin, Y., Yamamura, S., Cotruvo, J.A. (2014) Recent progress on bromate control in water treatment. *Proceedings of the International Ozone Association-Pan American Group Annual Conference & Expo – Montreal 2014*, August 24-27, 2014, Montreal, Quebec, 14 pages.
83. Mizuno, T., Ishi, K., Yamamura, S., Ikehata, K., and Takahara, H. (2014) Introduction to the Japan Ozone Association's new project toward promotion of ozone technologies in drinking water treatment in Japan, *Proceedings of the International Ozone Association-Pan American Group Annual Conference & Expo – Montreal 2014*, August 24-27, 2014, Montreal, Quebec, 6 pages.
84. Ikehata, K. (2014) Applications of advanced oxidation processes in water reuse (in Japanese), *Proceedings of the 23rd Annual Conference on Ozone Science and Technology in Japan*, August 7 and 8, 2014, Tokyo, Japan, pp. 1-4.
85. Ikehata, K., Jin, Y., Yamamura, S., Cotruvo, J.A. (2014) Recent progress on bromate control during ozone water treatment (in Japanese), *Proceedings of the 23rd Annual Conference on Ozone Science and Technology in Japan*, August 7 and 8, 2014, Tokyo, Japan, pp. 75-78.
86. Ikehata, K., Komor, A.T., Jin, Y., Peterson, J.D., Camarena, E., and Maleky, N. (2013) Ozone applications in golf course irrigation water treatment, *Proceedings of the 2013 World Congress & Exhibition, International Ozone Association & International Ultraviolet Association*, September 22-26, 2013, Las Vegas, Nevada, 12 pages.
87. Ikehata, K. and Komor, A.T. (2013) Ozone treatment of surface water in Anaheim, California (in Japanese), *Proceedings of the 22nd Annual Conference on Ozone Science and Technology in Japan*, August 8 and 9, 2013, Tokyo, Japan, pp. 71-74.
88. Ikehata, K. (2013) New toxicological data on low dose bromate carcinogenicity (in Japanese), *Proceedings of the 22nd Annual Conference on Ozone Science and Technology in Japan*, August 8 and 9, 2013, Tokyo, Japan, pp. 95-98.
89. Ikehata, K., Wang, L., Nessler, M.B., Komor, A.T., Cooper, W.J., and McVicker, R.R. (2012) Revisiting ozonation for colored groundwater treatment – The impact of the ammonia-free chlorine process for bromate control. *Proceedings of 2012 International Ozone Association Pan American Group Annual Conference and Exposition*, September 23-26, 2012, Milwaukee, Wisconsin, 15 pages (CD-ROM).

90. Ikehata, K. and Komor, A.T. (2012) Applications of ozone oxidation in groundwater treatment in Southern California (in Japanese), *Proceedings of the 21st Annual Conference on Ozone Science and Technology in Japan*, June 21 and 22, 2012, Hiroshima, Japan, pp. 97-100.
91. Ikehata, K., Komor, A.T., and Bogdanoff, P. (2011) Mitigation of anoxic hypolimnetic water in a drinking water reservoir by bottom water withdrawal and treatment – Bench-scale ozone test and full-scale water treatment. *Proceedings of the 2nd North American Conference on Ozone, Ultraviolet and Advanced Oxidation Technologies*, September 19-20, 2011, Toronto, Ontario, 16 pages (CD-ROM).
92. Ikehata, K., Sheng, Z., Sun, R.N., Liang, J., Fayant, P., Stuart, D.T., and Liu, Y. (2010) Biochemical investigation on the antibacterial activity of aqueous nano-C₆₀ against *Escherichia coli*. *Proceedings of the International Water Association- World Water Congress and Exhibition*, September 19-24, 2010, Montreal, Quebec, 7 pages (CD-ROM).
93. Fu, H., Ikehata, K., Gamal El-Din, M., Smith, D.W., MacKinnon, M.D., and Zubot, W. (2008) Degradation of naphthenic acids in Athabasca oil sands process-affected water using ozone. *Proceedings of the International Ozone Association-Pan American Group 2008 Annual Conference*, August 25-26, 2008, Orlando, Florida, pp. 412-418.
94. Afzal, A., Ikehata, K., Oppenländer, T., Bolton, J.R., and Gamal El-Din, M. (2008) Degradation of anatoxin-a in water by the ultraviolet/hydrogen peroxide process. *Proceedings of the International Ozone Association-Pan American Group 2008 Annual Conference*, August 25-26, 2008, Orlando, Florida, pp. 574-579.
95. Ikehata, K., Gamal El-Din, M., and Snyder, S.A. (2007) Ozonation and advanced oxidation treatment of emerging organic pollutants in water and wastewater. *Proceedings of the International Ozone Association-International Ultraviolet Association Joint World Congress*, August 27-29, 2007, Los Angeles, California, 9 pages (CD-ROM). [Keynote Paper]
96. Nakonechny, M., Ikehata, K., and Gamal El-Din (2007) Degradation of estrone using ozone/hydrogen peroxide advanced oxidation treatment. *Proceedings of the International Ozone Association-International Ultraviolet Association Joint World Congress*, August 27-29, 2007, Los Angeles, California, 5 pages (CD-ROM).
97. Gamal El-Din, M., Smith, D.W., Al Momani, F., Wang, W., and Ikehata, K. (2006) Application of ozone treatment to degrade microcystin-LR and -RR: Treatability and rate constants. *Proceedings of the 19th National and 7th International Scientific and Technical Conference, Water Supply and Water Quality*, June 18-21, 2006, Zakopane, Poland, pp. 463-469.
98. Ikehata, K. and Gamal El-Din, M. (2004) Degradation of recalcitrant surfactants in wastewater by ozonation and advanced oxidation processes: A review. *Proceedings of the 2004 IOA-PAG Regional Conference*, September 12-15, 2004, Windsor, Ontario, International Ozone Association, 23 Pages (CD-ROM).
99. Ikehata, K. and Gamal El-Din, M. (2004) Degradation of pesticides in water by ozonation and ozone-based advanced oxidation processes: An overview. *Proceedings of the 2004 IOA-PAG Regional Conference*, September 12-15, 2004, Windsor, Ontario, International Ozone Association, 46 Pages (CD-ROM).
100. Ikehata, K. and Buchanan, I.D. (2002) Screening of *Coprinus* species for the production of extracellular peroxidase and evaluation of its applicability to the treatment of aqueous phenol. *Proceedings of the Joint CSCE/EWRI of ASCE International Conference on Environmental Engineering*, July 21-24, 2002, Niagara Falls, Ontario, R.G. Zytner and W.H. Stiver (Eds.), Canadian Society for Civil Engineering, Montreal, Quebec, 14 pages (CD-ROM).
101. Yun, G.-Y., Ikehata, K., and Buchanan, I.D. (2002) Colour and chloride removal from Kraft pulp mill effluent using ion exchange. *Proceedings of the Joint CSCE/EWRI of ASCE International Conference on Environmental Engineering*, July 21-24, 2002, Niagara Falls, ON, W.H. Stiver and R.G. Zytner (Eds.), Canadian Society for Civil Engineering, Montreal, Quebec, 16 pages (CD-ROM).

102. Ikehata, K. and Buchanan, I.D. (2002) Removal of phenols from oil refinery wastewater with extracellular fungal peroxidase and hydrogen peroxide. *Preprints of Extended Abstracts, Environmental Chemistry Division Symposia, 224th the American Chemical Society National Meeting*, August 18-22, 2002, Boston, MA, T. Mill and R. Hathaway (Eds.), ACS Division of Environmental Chemistry, Cape Girardeau, Montana, pp. 142-145.

Co-authored conference abstracts and posters:

103. Lee, D., Ikehata, K., Kleinheinz, J., Komor, A., Li, Y. (2018) Biological filtration of groundwater well No. 9 to remove hydrogen sulfide. American Water Works Association Annual Conference and Exposition (ACE18), June 11-14, 2018 Las Vegas, Nevada.
104. Ikehata, K., Li, Y., Komor, A.T., Kleinheinz, J.A., and Lee, D.S. (2018) Biological filtration of groundwater for low-level hydrogen sulfide removal. 2018 International Symposium on Biological Treatment, January 24-25, 2018, Austin, TX.
105. Ikehata, K., Li, Y., Zhao, Y., Sanchez, S., and Kulkarni, H.V. (2018) Recovering more usable water and reducing concentrate with photobiological treatment followed by secondary reverse osmosis. 2018 International Symposium on Potable Reuse, January 22-23, 2018, Austin, TX.
106. Zhao, Y., Kulkarni, H.V., Komore, A.T., Ikehata, K., Cottrell, B.A., Anderson, M.A., and Snyder, S.A. (2017) Characterization of photobiologically-treated reverse osmosis concentrate from advanced water reclamation facilities. 32nd Annual WateReuse Symposium, September 10-13, 2017, Phoenix, AZ.
107. Kulkarni, H.V., Zhao, Y., Mihara, T.D., Sanchez, S., Li, Y., Komor, A.T., Ikehata, K. (2017) A pilot-scale continuous flow photobioreactor to improve water recovery from reverse osmosis-based brackish groundwater desalination. 32nd Annual WateReuse Symposium, September 10-13, 2017, Phoenix, AZ.
108. Ikehata, K., Komor, A.T., Li, Y., Kleinheinz, J.A., and Lee, D.S. (2017) Removal of hydrogen sulfide by biological filtration: Impacts of filter media, electron acceptors and microbiology. CA-NV AWWA Annual Spring Conference, April 10-13, 2017, Anaheim, California.
109. Qu, L., Li, Y., Wang, L., and Ikehata, K. (2015) Treatment of groundwater contaminated with volatile and semi-volatile organics using ozone- and UV-based advanced oxidation processes. The 45th Western Regional Meeting of the American Chemical Society, November 6-8, 2015, San Marcos, California.
110. Ikehata, K. (2015) Enzymatic treatment of dye wastewater using fungal laccases and peroxidases – An overview. The 45th Western Regional Meeting of the American Chemical Society, November 6-8, 2015, San Marcos, California.
111. Ikehata, K., Komor, A.T., Li, Y., Qu, X., Kleinheinz, J., Lee, D.S., Trussell, C.B., Hokanson, D.R. (2015) Removal of hydrogen sulfide from groundwater by granular activated carbon. 2015 CA-NV AWWA Annual Fall Conference, October 26-29, 2015, Las Vegas, Nevada.
112. Ikehata, K., Komor, A.T., Trussell, C.B., Hokanson, D.R., Lee, D.S., Kleinheinz, J.A. (2015) Biological hydrogen sulfide removal by granular activated carbon filtration Pilot- and full-scale studies. 2015 American Water Works Association Annual Conference and Exposition (ACE15). June 7-10, 2015, Anaheim, California.
113. Ikehata, K., Jin, Y., Komor, A.T. (2014) Iron and manganese removal by chemical oxidation and filtration. 2014 CA-NV AWWA Annual Spring Conference, March 24-27, 2014, Anaheim, California.
114. Ikehata, K., Komor, A.T., Jin, Y., Kramer, N.A., Matthews, J.A., Fordunski, J.A. (2013) Multiple benefits of nanofiltration in brackish groundwater treatment. 2013 CA-NV AWWA Annual Fall Conference, September 30-October 3, 2013, Sacramento, California.

115. Ikehata, K., Komor, A.T., Anderson, M.A., and Bogdanoff, P. (2013) Year-around bottom water withdrawal and treatment for minimizing the impact of anoxia and algal blooms. 2013 CA-NV AWWA Annual Spring Conference, March 25-28, 2013, Las Vegas, Nevada.
116. Anderson, M., Komor, A., and Ikehata, K. (2011) Flow routing with bottom withdrawal to improve water quality in Walnut Canyon Reservoir, California. North American Lake Management Society (NALMS) 31st International Symposium, October 26-28, 2011, Spokane, Washington.
117. Williams, T., Galeva, N.A., Ikehata, K., Koen, Y.M., Ji, T., and Hanzlik, R.P. (2007) Reconciling the products of reactive metabolites of xenobiotic thiobenzamide in liver protein and lipid pools with isotope labeled compound. 55th American Society for Mass Spectrometry Conference on Mass Spectrometry, June 3-7, 2007, Indianapolis, Indiana.
118. Ji, T., Ikehata, K., Koen, Y.M., Esch, S.W., Williams, T.D., and Hanzlik, R.P. (2006) Covalent modification of microsomal lipids by thiobenzamide metabolites *in vivo*. American Association of Pharmaceutical Scientists Annual Meeting and Exposition, October 29-November 2, 2006, San Antonio, Texas.
119. Gamal El-Din, M., Smith, D.W., Wang, W., and Ikehata, K. (2006) Destruction of cyanobacteria toxin by ozone. American Water Works Association Annual Conference and Exposition (ACE06). June 10-15, 2006, San Antonio, Texas.
120. Hanzlik, R.P., Koen, Y.M., Yue, W., Ikehata, K., Duzhak, T., and Ji, T. (2006) Tissue injury by reactive metabolites: Chemistry, proteomics and beyond. Keystone Symposia, The Molecular and Integrative Basis for Toxic Responses, May 7-11, 2006, Victoria, British Columbia.
121. Koen, Y.M., Ikehata, K. and Hanzlik, R.P. (2006) Proteomic analysis of reactive metabolite target proteins: A case study with bromobenzene and thiobenzamide. Biological Reactive Intermediates Conference VII: BRIs and Human Health and Disease. January 4-7, 2006, Tucson, Arizona.
122. Gamal El-Din, M., Smith, D.W., Al Momani, F., Wang, W., and Ikehata, K. (2005) Ozonation kinetics of two cyanobacterial toxins: Microcystin-LR and -RR. IOA-PAG Annual Conference, October 8-12, 2005, Lake Lanier Islands, Georgia.
123. Koen, Y.M., Ikehata, K. and Hanzlik, R.P. (2005) Proteomic analysis of reactive metabolite target proteins: A case study with bromobenzene and thiobenzamide. Gordon Research Conference on Adverse Drug Reactions. June 5-10, 2005, New London, Connecticut.
124. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2003) Enzymatic treatment of phenol with crude fungal peroxidase from *Coprinus* species. 225th the American Chemical Society National Meeting, Biochemical Technology Division Symposia, March 23-27, 2003, New Orleans, Louisiana.
125. Ikehata, K. and Nicell, J.A. (1999) Characterisation of tyrosinase enzyme for the treatment of aqueous phenols. 34th Central Canadian Symposium on Water Pollution Research, February 8-9, 1999, Burlington, Ontario.

Professional magazine articles:

126. Ikehata, K. (2019) Ozone Facility Report – Metropolitan Water District of Southern California, Henry J. Mills Water Treatment Plant (in Japanese), *Ozone News in Japan*, **111**, 15-18.
127. Ikehata, K. (2019) Ozone Facility Report – Anderson Regional Joint Water System, Lake Hartwell Water Treatment Plant (in Japanese), *The Suido Kouron*, **55**:9, 52-55.
128. Ikehata, K. (2019) Ozone Facility Report – City of Anaheim Lenain Water Treatment Plant (in Japanese), *The Suido Kouron*, **55**:5, 59-62.
129. Ikehata, K. (2019) Ozone Facility Report – Wylie Water Treatment Plant, Wylie, TX (in Japanese), *The Suido Kouron*, **55**:2, 59-61.
130. Ikehata, K. (2018) Applications of Ozone in Drinking Water and Wastewater Treatment in the United States (in Japanese), *The Suido Kouron*, **54**:12, 42-44.

131. Ikehata, K. (2018) International Water Association World Water Congress and Exhibition Report (in Japanese), *The Suido Kouron*, **54**:11, 34-35.
132. Ikehata, K. (2018) Ozone Facility Report – Edward C. Little Water Recycling Facility (in Japanese), *Ozone News in Japan*, **107**, 20-23.
133. Ikehata, K. (2018) Ozone Treatment in the United States – Examples and Future Outlook (in Japanese), *Core*, **30**:6, 20-22.
134. Ikehata, K. (2018) Ozone Facility Report – Advanced Water Purification Facility, Rio Rancho, New Mexico (in Japanese). *Ozone News in Japan*, **105**, 7-10.
135. Ikehata, K. and Isaji, C. (2016) International Ozone Association-Water Research Foundation Recent Developments in Biofiltration Performance Workshop Report – Part II (in Japanese). *Ozone News in Japan*, **98**, 13-17.
136. Ikehata, K. and Isaji, C. (2016) International Ozone Association-Water Research Foundation Recent Developments in Biofiltration Performance Workshop Report – Part I (in Japanese). *Ozone News in Japan*, **97**, 8-13.
137. Ikehata, K. (2016) North American Water Treatment Plant Report – Wylie Water Treatment Plant, Wylie, TX (in Japanese). *Ozone News in Japan*, **97**, 15.
138. Mizuno, T., Ishi, K., Yamamura, S., Ikehata, K., Takahara, H. (2015) Introduction to the Japan Ozone Association's new project towards promotion of ozone technologies in drinking water treatment in Japan. *Ozone News*, **43**:1, 15-18.
139. Ikehata, K. (2014) Shale revolution and its impact on the water environment (in Japanese). *Sangyou to Kankyou (Industry and Environment)*, **43**:12, 20.
140. Ikehata, K. (2014) IOA-IUVA Joint World Congress report - Bromate panel discussion (in Japanese). *Ozone News in Japan*, **90**, 3-9.
141. Ikehata, K., Komor, A.K., Jin, Y., Peterson, J.D., Camarena, E., and Maleky, N. (2014) Ozone applications in golf course irrigation water treatment. *Ozone News*, **42**:1, 15-22.
142. Ikehata, K. (2013) New insights into the carcinogenicity of low-dose bromate in drinking water (in Japanese). *Ozone News in Japan*, **87**, 3-9.
143. Ikehata, K. (2013) International Ozone Association-Pan American Group meetings (in Japanese). *Ozone News in Japan*, **86**, 3-6.
144. Ikehata, K. (2011) Water reclamation and reuse – From toilet to tap (in Japanese). *Gekkan "Mizu" (Water)*, **53**:2, 65.
145. Ikehata, K. and Gamal El-Din, M. (2008) Advanced oxidation of wastewater containing micro-pollutants. *Canadian Civil Engineer*, **25**:1, 12-14.

Newspaper articles:

146. Ikehata, K. (2015) 2015 IOA-PAG Annual Conference Report #1 (in Japanese), Nihon Suido Shinbun, December 17, 2015.
147. Ikehata, K. (2016) 2015 IOA-PAG Annual Conference Report #2 (in Japanese), Nihon Suido Shinbun, January 21, 2016.
148. Ikehata, K. and Isaji, C. (2016) 2015 IOA-PAG Annual Conference Report #3 (in Japanese), Nihon Suido Shinbun, February 8, 2016.
149. Ikehata, K. and Isaji, C. (2016) 2015 IOA-PAG Annual Conference Report #4 (in Japanese), Nihon Suido Shinbun, February 18, 2016.

Patent:

150. Ikehata, K. and Komor, A. (2016) Method for treating contaminated water. United States Patent and Trademark Office, US9416036 B2, August 16, 2016.

CONFERENCE & WORKSHOP PRESENTATION:

Oral Presentations:

1. Ikehata, K. (2019) Photobiological Treatment of Brackish Water and Wastewater – Applications in RO Brine Management. 2nd Annual WIN Workshop, Brackish Groundwater National Desalination Facility (BGNDRF), October 28-29, 2019, Alamogordo, NM.
2. Ikehata, K., Zhao, Y., Kulkarni, H.V., Li, Y. (2018) Treatment of RO concentrate from 5 potable reuse facilities in the southwestern U.S. with a new photobiological process. IWA World Water Congress & Exhibition 2018, 16-21 September 2018, Tokyo, Japan.
3. Ikehata, K. (2018) International Ozone Association – Pan American Group (IOA-PAG) Activity Report 2018. The 27th Annual Conference on Ozone Science and Technology in Japan, June 21-22, 2017, Hiroshima, Japan
4. Ikehata, K. (2018) Photobiological treatment of reverse osmosis concentrate using brackish water diatoms and natural sunlight. AWWA Joint Section Research Committee Webinar Series, March 23, 2018.
5. Ikehata, K., Li, Y., Komor, A.T., Kleinheinz, J.A., and Lee, D.S. (2018) Biological filtration of groundwater for low-level hydrogen sulfide removal. 2018 International Symposium on Biological Treatment, January 24-25, 2018, Austin, TX.
6. Ikehata, K., Li, Y., Zhao, Y., Sanchez, S., and Kulkarni, H.V. (2018) Recovering more usable water and reducing concentrate with photobiological treatment followed by secondary reverse osmosis. 2018 International Symposium on Potable Reuse, January 22-23, 2018, Austin, TX.
7. Zhao, Y., Kulkarni, H.V., Komore, A.T., Ikehata, K., Cottrell, B.A., Anderson, M.A., and Snyder, S.A. (2017) Characterization of photobiologically-treated reverse osmosis concentrate from advanced water reclamation facilities. 32nd Annual WateReuse Symposium, September 10-13, 2017, Phoenix, AZ.
8. Ikehata, K., Zhao, Y., Ma, J., Komor, A.T., Maleky, N., Anderson, M.A. (2017) A novel photobiological process for reverse osmosis concentrate treatment using brackish water diatoms. 11th IWA International Conference on Water Reclamation and Reuse, July 23-27, 2017, Long Beach, CA.
9. Ikehata, K., Zhao, Y., and Kulkarni, H.V. (2017) Application of ozone in wastewater treatment – Use in potable reuse (in Japanese), The 26th Annual Conference on Ozone Science and Technology in Japan, June 15-16, 2017, Tokyo, Japan.
10. Ikehata, K., Komor, A.T., Li, Y., Kleinheinz, J.A., and Lee, D.S. (2017) Removal of hydrogen sulfide by biological filtration: Impacts of filter media, electron acceptors and microbiology. CA-NV AWWA Annual Spring Conference, April 10-13, 2017, Anaheim, California.
11. Ikehata, K., Isaji, C., Kakinuma, M. and Yamamura, S. (2016) Role of ozone in advanced water treatment and advanced water purification – Japanese and North American perspectives (in Japanese), The 25th Annual Conference on Ozone Science and Technology in Japan, May 26-27, 2016, Kyoto, Japan.
12. Ikehata, K. (2015) Enzymatic treatment of dye wastewater using fungal laccases and peroxidases – An overview. The 45th Western Regional Meeting of the American Chemical Society, November 6-8, 2015, San Marcos, California.
13. Ikehata, K., Komor, A.T., Li, Y., Qu, X., Kleinheinz, J., Lee, D.S., Trussell, C.B., Hokanson, D.R. (2015) Removal of hydrogen sulfide from groundwater by granular activated carbon. 2015 CA-NV AWWA Annual Fall Conference, October 26-29, 2015, Las Vegas, Nevada.
14. Ikehata, K., Wang-Staley, L., Qu, X., and Li, Y. (2015) Advanced oxidation treatment of groundwater contaminated with 1,4-dioxane, tetrahydrofuran, and chlorinated volatile organic compounds. The International Ozone Association-Pan American Group Annual Conference & Expo – Dallas, Texas 2015, September 20-23, 2015, Dallas, Texas.

15. Ikehata, K. (2015) Remediation of contaminated groundwater with advanced oxidation processes (in Japanese), The 24th Annual Conference on Ozone Science and Technology in Japan, May 28-29, 2015, Tokyo, Japan.
16. Ikehata, K., Jin, Y., Yamamura, S., Cotruvo, J.A. (2014) Recent progress on bromate control in water treatment. The International Ozone Association-Pan American Group Annual Conference & Expo – Montreal 2014, August 24-27, 2014, Montreal, Quebec.
17. Ikehata, K. (2014) Applications of advanced oxidation processes in water reuse (Invited Speech in Japanese), The 23rd Annual Conference on Ozone Science and Technology in Japan, August 7 and 8, 2014, Tokyo, Japan.
18. Ikehata, K., Jin, Y., Yamamura, S., Cotruvo, J.A. (2014) Recent progress on bromate control during ozone water treatment (in Japanese), The 23rd Annual Conference on Ozone Science and Technology in Japan, August 7 and 8, 2014, Tokyo, Japan.
19. Ikehata, K., Jin, Y., Komor, A.T. (2014) Iron and manganese removal by chemical oxidation and filtration. 2014 CA-NV AWWA Annual Spring Conference, March 24-27, 2014, Anaheim, California.
20. Ikehata, K., Komor, A.T., Jin, Y., Peterson, J.D., Camarena, E., and Maleky, N. (2013) Ozone applications in golf course irrigation water treatment, 2013 World Congress & Exhibition, International Ozone Association & International Ultraviolet Association, September 22-26, 2013, Las Vegas, Nevada.
21. Ikehata, K. and Komor, A.T. (2013) Ozone treatment of surface water in Anaheim, California (in Japanese), 22nd Annual Conference on Ozone Science and Technology in Japan, August 8 and 9, 2013, Tokyo, Japan.
22. Ikehata, K. (2013) New toxicological data on low dose bromate carcinogenicity (in Japanese), 22nd Annual Conference on Ozone Science and Technology in Japan, August 8 and 9, 2013, Tokyo, Japan.
23. Ikehata, K. (2013) Low dose risks from bromate: Chemistry and modes of action – Introduction to the Water Research Foundation report # 4042 by Joseph Cotruvo et al. – American Chemical Society Orange County Section Environmental Group Monthly Presentation, April 25, 2013, Irvine, California.
24. Ikehata, K. (2013) [on behalf of Dr. Joseph A. Cotruvo] Bromate risk at high and low doses from drinking water. AMERICANA 2013 International Environmental Technology Trade Show and Conference, March 19-21, 2013, Montreal, Quebec.
25. Ikehata, K., Komor, A.T., Anderson, M.A., and Bogdanoff, P. (2013) Year-round bottom water withdrawal and treatment for minimizing the impact of anoxia and algal blooms. 2013 CA-NV AWWA Annual Spring Conference, March 25-28, 2013, Las Vegas, Nevada.
26. Ikehata, K., Wang, L., Nessler, M.B., Komor, A.T., Cooper, W.J., and McVicker, R.R. (2012) Revisiting ozonation for colored groundwater treatment – The impact of the ammonia-free chlorine process for bromate control. 2012 International Ozone Association Pan American Group Annual Conference and Exposition, September 23-26, 2012, Milwaukee, Wisconsin.
27. Ikehata, K. and Komor, A.T. (2012). Applications of ozone oxidation in groundwater treatment in Southern California (in Japanese), 21st Annual Conference on Ozone Science and Technology in Japan, June 21 and 22, 2012, Hiroshima, Japan.
28. Ikehata, K., Komor, A., and Anderson, M. (2011) Mitigation of anoxic hypolimnetic water in a drinking water reservoir by bottom water withdrawal and treatment – Bench-scale ozone test and full-scale water treatment. 2nd North American Conference on Ozone, Ultraviolet & Advanced Oxidation Technologies, September 19-20, 2011, Toronto, Ontario.
29. Ikehata, K. and Gamal El-Din, M. (2007) Water treatment and reclamation for oil sands process-affected waters. 2007 Canadian Oil Sands Network for Research and Development (CONRAD) Water Usage Workshop and Seminar, November 21-22, 2007, Calgary, Alberta.

30. Wang, Y., Sadek, A., Ikehata, K., and Gamal El-Din, M. (2007) Water treatment options and their applicability to oil sands operations for reuse and safe discharge. OSTRF 3rd Graduate Student – Industry Interaction Day Workshop, September 27, 2007, Edmonton, Alberta.
31. Ikehata, K., Gamal El-Din, M., and Snyder, S.A. (2007) Ozonation and advanced oxidation treatment of emerging organic pollutants in water and wastewater. International Ozone Association-International Ultraviolet Association Joint World Congress, August 27-29, 2007, Los Angeles, California [Keynote Paper].
32. Yang, H., Xiao, J., Gamal El-Din, M., Buchanan, I., Bromley, D., and Ikehata, K. (2006) Land application of pre-treated liquid swine manure. Alberta Ingenuity Centre for Water Research, 3rd Annual AICWR Research Conference, November 3-4, 2006, Edmonton, Alberta.
33. Ikehata, K. and Gamal El-Din, M. (2006) Water treatment options and their applicability to oil sands operations for reuse and safe discharge. OSTRF 2nd Graduate Student – Industry Interaction Day Workshop, September 28, 2006, Edmonton, Alberta.
34. Gamal El-Din, M., Smith, D.W., Wang, W., and Ikehata, K. (2006) Destruction of cyanobacteria toxin by ozone. American Water Works Association Annual Conference and Exposition (ACE06). June 10-15, 2006, San Antonio, Texas.
35. Gamal El-Din, M. and Ikehata, K. (2006) Treatment of estrogenic endocrine disrupting compounds in wastewater by advanced oxidation processes. Pharmaceuticals and Endocrine Disruptors Workshop at the Edmonton Waste Management Centre of Excellence. May 18, 2006, Edmonton, Alberta.
36. Ikehata, K., Buchanan, I.D., and Smith, D.W. (2003) Enzymatic treatment of phenol with crude fungal peroxidase from *Coprinus* species. 225th the American Chemical Society National Meeting, Biochemical Technology Division Symposia, March 23-27, 2003, New Orleans, Louisiana.
37. Ikehata, K. and Buchanan, I.D. (2002) Screening of *Coprinus* species for the production of extracellular peroxidase and evaluation of its applicability to the treatment of aqueous phenol. Joint CSCE/EWRI of ASCE International Conference on Environmental Engineering, July 21-24, 2002, Niagara Falls, Ontario.
38. Ikehata, K. and Nicell, J.A. (1999) Characterisation of tyrosinase enzyme for the treatment of aqueous phenols. 34th Central Canadian Symposium on Water Pollution Research, February 8-9, 1999, Burlington, Ontario.

Poster presentations:

39. Ikehata, K., Kulkarni, H.V., Zhao, Y., and Li, Y. (2018) Enhanced fresh water recovery from brackish groundwater RO concentrate by a photobiological process and secondary RO, IWA World Water Congress & Exhibition 2018, 16-21 September 2018, Tokyo, Japan.
40. Ikehata, K., Komor, A.T., Trussell, C.B., Hokanson, D.R., Lee, D.S., Kleinhenz, J.A. (2015) Biological hydrogen sulfide removal by granular activated carbon filtration Pilot- and full-scale studies. 2015 American Water Works Association Annual Conference and Exposition (ACE15). June 7-10, 2015, Anaheim, California.
41. Ikehata, K., Sheng, Z., Sun, R.N., Liang, J., Fayant, P., Stuart, D.T., and Liu, Y. (2010) Biochemical investigation on the antibacterial activity of aqueous nano-C₆₀ against *Escherichia coli*. The International Water Association- World Water Congress and Exhibition, September 19-24, 2010, Montreal, Quebec.
42. Gamal El-Din, M., Smith, D.W., Al Momani, F., Wang, D.W., and Ikehata, K. (2005) Application of ozone treatment for the destruction of two cyanobacteria toxins: MC-LR and –RR. Alberta Ingenuity Centre for Water Research, 2nd Annual AICWR Research Conference, October 29-30, 2005, Calgary, Alberta.
43. Ikehata, K. and Buchanan, I.D. (2002) Removal of phenols from oil refinery wastewater with extracellular fungal peroxidase and hydrogen peroxide. Environmental Chemistry Division

Symposia, 224th the American Chemical Society National Meeting, August 18-22, 2002, Boston, Massachusetts.

Invited Seminars:

44. Ikehata, K. (2019) Journey to IPR/DPR 2009-2019, University of California, Los Angeles, UCLA Chapter American Water Works Association, January 31, 2019, Los Angeles, California.
45. Ikehata, K. (2018) Developing a Novel Photobiological Water Treatment Process Using Brackish Water Diatoms, California State University, Stanislaus, Chemistry Career Club Seminar, October 12, 2018, Turlock, California.
46. Ikehata, K. (2018) Recovering More Usable Water and Reducing Concentrate with Photobiological Treatment Followed by Secondary Reverse Osmosis, University of California, Riverside, CEE Seminar, June 1, 2018, Riverside, California.
47. Ikehata, K. (2017) Current Status of Drinking Water in the Southwestern United States – Conservation, Desalination, Stormwater Use, and Potable Reuse, Green Science 21 & Suidanren, June 13, 2017, Tokyo, Japan
48. Ikehata, K. (2017) Development of a Novel Water Treatment Technology Using Brackish Water Diatoms, Fukui Prefectural University, Faculty of Marine Bioscience, June 8, 2017, Obama, Fukui, Japan.
49. Ikehata, K. (2017) Innovative Water Projects – From Ozone Water Treatment to Water Reuse, June 7, 2017, Mitsubishi Electric Corporation, Amagasaki, Hyogo, Japan.
50. Ikehata, K. (2017) 20 Years of Research in Chemistry – From Polymer Synthesis to Water Reuse, California State University Fullerton, Chemistry and Biochemistry Careers Class, April 7, 2017, Fullerton, California.
51. Ikehata, K. (2016) Recent progress in wastewater treatment using ozone in the United States (in Japanese), The 34th Ozone Technology Workshop, December 1-2, 2016, Tokyo, Japan.
52. Ikehata, K. (2016) 20 Years of Research in Chemistry – From Polymer Synthesis to Water Reuse, California State University Fullerton, Chemistry and Biochemistry Careers Class, November 4, 2016, Fullerton, California.
53. Ikehata, K. (2016) 20 Years of Research in Chemistry – From Polymer Synthesis to Water Reuse, California State University Fullerton, 2nd Annual Department of Chemistry and Biochemistry Alumni Day, April 8, 2016, Fullerton, California.
54. Ikehata, K. (2015) Living as a Global Researcher – From Japan to North America & Beyond, Swing Corporation, May 26, 2015, Tokyo, Japan.
55. Ikehata, K. (2015) Water Resources Management in Southern California – Drought and Water Reuse, Research Seminar at the Research Center for Environmental Quality Management, Kyoto University, May 23, 2015, Otsu, Shiga, Japan.
56. Ikehata, K. (2012) Introduction to Environmental Engineering Careers. For the Society of Environmental Engineers Meeting, California State University Fullerton, November 7, 2012, Fullerton, California.
57. Ikehata, K. (2011) Being Abroad for 14 Years. For the Department of Civil & Environmental Engineering Student Society, University of California, Irvine, March 25, 2011, Irvine, California.

REFERENCES:

Available upon request