

CURRICULUM VITAE

(as of 15th July, 2017)

Name: Kazuo YAMAMOTO
 Nationality: Japanese
 Date of Birth: July 3, 1954
 Present status: Vice President for Administration,
 Asian Institute of Technology (effort share 60%)
 Professor, Environmental Science Center,
 The University of Tokyo (effort share 40%)

Summary Table of main contents

	Outcomes	go to page
Degree	B.Eng., M.Eng., and D.Eng. (The Univ. of Tokyo)	2
Academic career	RA, Lecturer, Assoc. Prof., and Prof. (The Univ. of Tokyo), RA (Tohoku University), Assist. & Assoc. Prof, and Prof. (AIT)	2
Graduate student advising	Master: 74 advisees (45 Japanese, 29 non-Japanese) PhD: 48 advisees (15 Japanese, 33 non-Japanese) (the sum total at The Univ. of Tokyo and AIT)	3
Administrative experience	Director (The Univ. of Tokyo), Vice President (AIT), and 5 presidents (chairing 2 boards-of-directors included) and 6 trustees, in other organizations, approved by The Univ. of Tokyo as subsidiary business with no salary	4-5
R&D leadership	Subleader of a NEDO project, PI of a JST/JICA project, and Subtheme leader of a Cabinet office/JSPS/NEDO project	6
Publication	131 scientific papers in English (3168 times cited in total, 24.2 times cited per paper), 16 books/book chapters, and 4 editions	7-21
Awards	Sidney Loeb Award 2008 and other 11 awards	22
Other International recognition	The 6 th of WWi's TOP25 global thought leaders in the water/wastewater industries (2016)	22

Educational background

April 1973 - March 1977 Undergraduate Program, Department of Urban Engineering, The University of Tokyo

April 1977 - March 1979 Master's Program, Department of Urban Engineering, The University of Tokyo.

April 1979 - April 1981 Doctoral program, Department of Urban Engineering, The University of Tokyo.

March 1983 Doctor of Engineering (PhD equivalent), The University of Tokyo
title of doctoral dissertation: Basic studies on biological wastewater treatment in rotating biological contactors

Academic career:

May 1981 - March 1983 Research associate, Department of Urban Engineering, The University of Tokyo.

April 1983 - March 1984 Research associate, Department of Civil Engineering, Tohoku University

April 1984 - March 1985 Lecturer, Department of Urban Engineering, The University of Tokyo.

April 1985 - August 1995 Associate professor, Department of Urban Engineering, The University of Tokyo.

*May 1987 - August 1989: Assistant professor (promoted to Associate professor in 1989), Environmental Engineering Division, Asian Institute of Technology, Bangkok, Thailand, seconded by Japanese Government.

August 1995 – present Professor in charge of graduate program, Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo.

January 1996 - present Professor, Environmental Science Center, The University of Tokyo.

October 7 – December 31, 2013 Visiting Professor, Asian Institute of Technology

January 1, 2014- June 30, 2016 Professor and Vice President for Resource Development, Asian Institute of Technology

July 1, 2016- present Professor and Vice President for Administration, Asian Institute of Technology

Academic association membership and scientific activities related to the associations:

-Fellow Member, Japan Society of Material Cycle & Waste Management (JSWCWM), Chief Editor of Journal of Material Cycles and Waste Management(2005-2012))

-Member, International Water Association (IWA), IWA Fellow (2010 to 2016), Chairperson of Membrane Technology Specialist Group (MTSG) (1997-1999), Advisor of MTSG (-present)

-Member, The Academic Consociation of Environmental Safety and Waste Management

- Member, Japan Society of Civil Engineers, Chairperson of editorial board committee, 7th division, Journal JSCE (2008-2010)
- Editorial Committee Member, Civil & Environment Core Textbook Series, Corona Publishing Co. Ltd.
- Editorial Board Member, Frontiers of Environmental Science & Engineering (China)
- Member of Japan Water Works Association
- Member of The Membrane Society of Japan
- Member of Society of Environmental Science, Japan,
- Editorial Board Member of Monthly Journal Jokaso
- Member of Japan Institute of Environmental Statistics (NPO)
- Visiting Professor (2010-2011), The Institute of Statistical Mathematics

Educational Experiences

Regular Course Taught (past and present)

The University of Tokyo

[Graduate program]

Membrane Technology for Water and Wastewater Treatment

Solid Waste Management

Advanced course in Physicochemical Water Treatment (in Japanese)

Advanced course in Water Treatment Technology (in Japanese)

[Undergraduate program (in Japanese)]

Environmental Fluid Dynamics

Applied Hydraulics

Solid Waste Management

Material Cycle and Solid Waste Management

Mathematics for Urban Engineering

Outlines of Urban & Environmental Engineering

Frontier in Environmental Engineering

[University training course]

Environment and Safety (5 times in Japanese, **2 times in English per year**)

Asian Institute of Technology

EV 7 Biological Processes

EV18 Marine Environment and Related Ecosystems

EV27 Water Quality Management

Advising experiences (UTokyo & AIT)

Cumulative Number of advisees as of March, 2013(graduate program)

Master Course: 74 advisees

(Japan 45, Thailand 6, China 5, Taiwan 3, Korea 2, Myanmar 2, Malaysia 2, Indonesia 2, Brazil 2, Sri Lanka 1, Vietnam 1, Nepal 1, Bangladesh 1, Pakistan 1)

PhD Course: 48 advisees

(Japan 15, Thailand 12, China 5, Korea 5, Bangladesh 3, Sri Lanka 2, Philippine 2, Malaysia 1, Vietnam 1, France 1, Sweden 1)

Administrative experiences in academic sector

The University of Tokyo (UTokyo)

-**Director**, Environmental Science Center (2003-2007)

[Note: Environmental Science Center was established in 1975 as a university-wide center on a similar rank with institutes and was recognized and set by the ministerial ordinance (Ministry of Education, Science and Culture) in 1993]

-Member, Council of the heads of faculties, institutes and centers (2003-2007)

-Member, Hongo Campus planning committee (2003-2007)

-Member, Safety Supervision Committee (2003-2007)

-Chairperson, Editorial Committee, University Environmental Safety Guideline 2005

-Secretary (UTokyo side), AGS (Alliance for Global Sustainability) (1996-1998)

[Note: AGS was established in 1996 by the leadership of the presidents of UT, MIT (Massachusetts Institute of Technology) and ETH (Eidgenössische Technische Hochschule)]

-**Member, Standing Committee**, Graduate School of Engineering (2002-2003, 2011-2012)

-Professor in charge (Head), Graduate Program of Urban Engineering (2002-2003, 2011-2012)

-Chairperson, Entrance examination committee, Graduate program, Department of Urban Engineering (2002-2003, 2011-2012)

-Member, Education Council, Graduate School of Engineering (2008 -2013)

-Member, Hongo Campus traffic management committee (2008 - 2013)

-**Adviser to the President**, The University of Tokyo (2010-2011)

-Member, Alumni Office (2010-2011)

-Member, Barrier-free Support Office (2010-2011)

-Member, the President's Awarding committee (2010-2011)

-Chairperson of an inspection committee on an academic harassment-related case (2010-2011)

Asian Institute of Technology (AIT)

-Senior Advisor to the President (October 7 - December 31, 2013)

-Vice President for Resource Development (January 1, 2014 - June 30, 2016)

-Vice President for Administration (July 1, 2016 - present)

Other academic societies

-**President, Japan Society of Waste Management Experts (2005-2006)**

-Vice president, Japan Society of Waste management Expert (2004-2005)

-Member, Executive Board, Japan Society of Waste Management Expert (2000-2008)

- **President, Head of Executive Board, Japan Society of Material Cycle and Waste Management (2008-2010)**

-Member, Executive Board, Japan Society of Material Cycle and Waste Management (2008 -2013)

-**President, The Academic Consociation of Environmental Safety and Waste Management (2007-2009)**

-Vice President, The Academic Consociation of Environmental Safety and Waste Management (2005-2007)

-Executive Director, The Academic Consociation of Environmental Safety and Waste

Management (1997-2009)

- Adviser, The Academic Consociation of Environmental Safety and Waste Management (2009 - present)
- Inspector, Japan Institute of Environmental Statistics (2005 - 2012)
- Member of Executive Board, Japan Institute of Environmental Statistics (2013 - present)

Administrative experiences in other organizations

- President (Chair of Board of Directors), Water Reuse Promotion Center (2009 - present)**
- Vice Chair of Board of Directors, The Japan Containers and Packaging Recycling Association (2007)**
- Chair of Board of Directors, The Japan Containers and Packaging Recycling Association (2008)**
- Member, Board of Directors, Japan Environmental Facilities Manufactures Association (2005 - present)
- Member, Board of Directors, Kurita Water and Environment Foundation (2017.7-present)
- Member, Planning & Management Committee, Industrial Waste Management Enterprise Development Foundation (2010 - 2014)
- Member, Executive Board, Environmental Engineering Professor's Association, Japan (2003-2008)

Board of Trustee member of various organizations

- Japan Education Center of Environmental Sanitation (2008 - present)
- Japan Waste Management & 3R Research Foundation (2011 - present)
- Kurita Water and Environment Foundation (2007 -2017.6)
- River Foundation (2013 - present)
- Society of Environmental Science, Japan (2003-2007)
- The Japan Containers and Packaging Recycling Association (2009 - 2013)

Expertizing Experiences (selected)

- Expert Member, National University Education & Research Evaluation Committee, National Institution for Academic Degrees and University Evaluation, Japan (2007-2008)
- Member, Advisory Committee on Research for 3R Systems/Evaluation/Statistical-technics, National Institute for Environmental Studies (2009-2011)
- External Evaluation Member, Center for Environmental Nano and Bio Engineering, Hokkaido University (2011)
- Member, Evaluation Committee, Creative Research Institution, Hokkaido University (2012)
- Member, 6th Division, Environmental Research Planning Committee, Ministry of Environment, The Government of Japan (2010 - 2013)
- Expert Member, Joint Committee on Waste Recycling (3R), Central Environmental Council (Ministry of Environment) and Industrial Structure Council (Ministry of Economy, Trade and Industry), The government of Japan (2004-2009)
- Expert Member, Jokaso (on-site wastewater treatment systems) Expert Committee, Central Environmental Council, Ministry of Environment, The government of Japan (2005 - present)
- Chairperson, National Certification Examination Committee on Jokaso Kanrishi (O & M manager), Japan Education Center of Environmental Sanitation (2004 - 2013)

- Member, Water Resources Development Division, National Land Council, Ministry of Land, Infrastructure, Transportation and Tourism, The Government of Japan (2003 – 2015), and its specialist member (2016- present)
- Advisor, Japan Environmental Sanitation Center (2010 - present)
- Member of Technology Committee, Steel Foundation for Environmental Protection Technology (2007 - present)
- Expert Member, Technical Evaluation Committee on Municipal Solid Waste Incinerators, Clean Association of Tokyo23 (Waste Disposal of Tokyo's 23 Cities) (2008 - present)
- Chair, Selection Committee of Treatment Processes and the Construction/ O&M business enterprise for New Solid Waste Incineration Plant, Hujimi Sanitation Association, Mitaka and Chofu cities (2009-2010)

R&D Leadership

National R&D project management

- Sub project leader in charge of Technology R&D part, R&D for Water-saving and Eco-friendly Water Recycle Technology, NEDO (New Energy and Industrial Technology Development Organization) [Research periods: 2009-2013, Participating organizations: 10 enterprises, 10 universities & research institutes, Budget: app. 10 billion JPY]

Recent R&D projects

- R&D for Water Reuse Technology in Tropical Regions (Science and Technology Research Partnership for Sustainable Development (SATREPS), JST/JICA)

Project Leader: **Kazuo Yamamoto**

Collaborating Organizations:

Japan side: The University of Tokyo, Tohoku University, Waseda University, Ritsumeikan University, Yamagata University

Thai side: Environmental Research & Training Center, DEQP/MoNRE, Chulalongkorn University, Kasetsart University, Mahidol University, AIT

Period: 2009-2013 (Sep.)

Budget: app. 500 million JPY

- Resources productive membrane integral system for sewage in 'Mega-ton Water System(Funding Program for World-leading Innovative R&D on Science and Technology(FIRST), The Cabinet office/JSPS/NEDO)'

Subtheme leader: **Kazuo Yamamoto**

Collaborating Organizations: The University of Tokyo, Hokkaido University, Water Reuse Promotion Center, Japan Sewage Works Agency, Tokyo Metropolitan Government (Sewage Works Bureau), Toray, Mitsubishi Rayon

Period: 2010 -2013

Budget: app. 300 million JPY

Publication List

1. Papers published in peer-reviewed journals in English

The following 131 papers in two categories are listed on the Web of Science Core Collection, showing 3168 (24.2 per paper) times cited according to the Web as of 15th, July, 2017.

1.1 Membrane related research listed in the Web of Science Core Collection

Descending order of <times cited as of 15th July, 2017> from the Web of Science

Total 2277 times cited in 92 papers (the average times cited of 24.7 per paper)

	membrane related topic	year	times cited (as of July 15, 2017)
1	Yamamoto,K., Hiasa,M., Mahmood,T. and Matsuo,T.(1989), Direct solid liquid separation using hollow fiber membrane in an activated aeration tank, <i>Water Science and Technology</i> , Vol.21, No.4–5, 43–54. Note: Because a part of research was done at AIT and had been submitted to IWA during the first author's stay at AIT, the affiliation of the first author was AIT.	1989	297
2	Chiemchaisri,C., Yamamoto,K. and Vigneswaran,S.(1993), Household membrane bioreactor in domestic wastewater treatment, <i>Water Science and Technology</i> , Vol.27,No.1,171–178. Note: The results were obtained from a pilot plant at AIT.	1993	96
3	Chiemchaisri,C., Wong,Y.K., Urase,T. and Yamamoto,K.(1992), Organic stabilization and nitrogen removal in membrane separation bioreactor for domestic wastewater treatment, <i>Water Science and Technology</i> , Vol.25, No.10, 231–240 (selected and reprinted in <i>Filtration & Separation</i> (1993), Vol.30, No.3,247–252)	1992	93
4	Urase, T., Oh J.I., and Yamamoto, K. (1998), Effect of pH on rejection of different species of arsenic by nanofiltration , <i>Desalination</i> , 117, 11–18.	1998	72
5	Zhang, B., Yamamoto, K., Ohgaki, S., and Kamiko, N. (1997), Floc size distribution and bacterial activities in membrane separation activated sludge process for small-scale wastewater treatment and reclamation, <i>Water Science and Technology</i> , Vol.35, No.6, 37–44.	1997	71
6	Urase,T, Yamamoto,K., and Ohgaki S.(1996), Effect of pore structure of membranes and module configuration on virus retention, <i>Journal of Membrane Science</i> , Vo..115, 21–29.	1996	71
7	Chiemchaisri,C. and Yamamoto,K.(1994), Performance of membrane separation bioreactor at various temperatures for domestic wastewater treatment, <i>Journal of Membrane Science</i> , Vol.87,119–129	1994	68
8	Hai FI, Yamamoto K and Fukushi K (2006) Development of a submerged membrane fungi reactor for textile wastewater treatment, <i>Desalination</i> , 192(1–3), 315–322.	2006	58

9	Boonyaroj, V., Chiemchaisri, C., Chiemchaisri, W., Theeparaksapan, S., Yamamoto, K. (2012) Toxic organic micro-pollutants removal mechanisms in long-term operated membrane bioreactor treating municipal solid waste leachate. <i>Bioresouce Technology</i> , 113, SI, 174–180.	2012	44
10	Choi J.H., Fukushi, K., Yamamoto, K. (2008) A study on the removal of organic acids from wastewaters using nanofiltration membranes, <i>Separation and Purification</i> , 59,1 17–25	2008	43
11	Choi J.H., Dockko, S., Fukushi K., and Yamamoto K. (2002), A novel application of a submerged nanofiltration membrane bioreactor (NF MBR) for wastewater treatment, <i>Desalination</i> , 146, 413–420.	2002	43
12	Monthon Thanuttamavong, Kazuo Yamamoto, Jeong Ik Oh, Kwang Ho Choo and Sang June Choi (2002) Rejection characteristics of organic and inorganic pollutants by ultra-low pressure nanofiltration of surface water for drinking water treatment, <i>Desalination</i> , 145(1–3), 257–264.	2002	40
13	Faisal Ibney Hai, Kazuo Yamamoto, Fumiyuki Nakajima, Kensuke Fukushi (2008) Removal of structurally different dyes in submerged membrane fungi reactor-biosorption/ PAC-adsorption, membrane retention and biodegradation, <i>Journal of Membrane Science</i> , 325(1), 395–403.	2008	40
14	Yamamoto, K. and Win, K.M. (1991), Tannery wastewater treatment using a sequencing batch membrane reactor, <i>Water Science and Technology</i> , Vol.23, No.7–9, 1639–1648.	1991	39
15	Luxmy, B.S., Nakajima, F., and Yamamoto, K. (2000), Analysis of bacterial community in membrane separation bioreactors by fluorescent in situ hybridization (FISH) and denaturing gradient gel electrophoresis (DGGE) techniques, <i>Water Science and Technology</i> , 41, 10/11, 259–268.	2000	38
16	Gemunu Herath, Kazuo Yamamoto and Taro Uruse (1999) Removal of Viruses by Microfiltration Membranes at Different Solution Environments, <i>Water Science and Technology</i> , 40(4–5), 331–338.	1999	37
17	Faisal Ibney Hai, Kazuo Yamamoto, Fumiyuki Nakajima, Kensuke Fukushi (2011) Bioaugmented membrane bioreactor (MBR) with a GAC-packed zone for high rate textile wastewater treatment, <i>Water Research</i> , Vol.45, No.6, pp.2199–2206.	2011	37
18	Oh, J.I., Yamamoto, K., Kitawaki, H., Nakao, S., Sugawara, T., Rahman, M.M., and Rahman M.H. (2000), Application of low-pressure nanofiltration coupled with a bicycle pump for the treatment of arsenic-contaminated groundwater, <i>Desalination</i> , 13, 307–314.	2000	36
19	Wei, C.H., Huang, X., Ben Aim R., Yamamoto, K., Amy, G. (2011) Critical flux and chemical cleaning-in place during the long-term operation of a pilot-scale submerged membrane bioreactor for municipal wastewater treatment, <i>Water Research</i> , 45, 2, 863–871.	2011	36

20	Jae-Hoon Choi, Kensuke Fukushi and Kazuo Yamamoto (2007) A submerged nanofiltration membrane bioreactor for domestic wastewater treatment: the performance of cellulose acetate nanofiltration membranes for long-term operation, <i>Separation and Purification Technology</i> , 52(3), 470-4	2007	35
21	Jae-Hoon Choi, Sang Hyon Lee, Kensuke Fukushi and Kazuo Yamamoto (2007) Comparison of sludge characteristics and PCR-DGGE based microbial diversity of nanofiltration and microfiltration membrane bioreactors, <i>Chemosphere</i> , 67(8), 1543-1550.	2007	33
22	Dharmappa,H.B., Verink,J., Aim,R.B., Yamamoto,K. and Vigneswaran,S.(1992), A comprehensive model for cross-flow filtration incorporating polydispersity of the effluent, <i>Journal of Membrane Science</i> , Vol.65, 173-185	1992	32
23	Chiemchaisri,C. and Yamamoto,K.(1993), Biological nitrogen removal under low temperature in a membrane separation bioreactor, <i>Water Science and Technology</i> , Vol.28,No.10,325-333.	1993	32
24	Ozaki, N., and Yamamoto,K. (2001) Hydraulic effects on sludge accumulation on membrane surface in crossflow filtration. <i>Water Research</i> , 35, 13, 3137-3146.	2001	30
25	Uruse,T., Yamamoto,K. and Ohgaki,S.(1994), Effect of pore size distribution of ultrafiltration membranes on virus rejection in cross flow conditions, <i>Water Science and Technology</i> , Vol.30, No.9, 199-208.	1994	28
26	Faisal Ibney Hai, Kazuo Yamamoto, Fumiyuki Nakajima, Kensuke Fukushi (2012) Application of a GAC-coated hollow fiber module to couple enzymatic degradation of dye on membrane to whole cell biodegradation within a membrane bioreactor, <i>Journal of Membrane Science</i> , 389, 67-75.	2012	27
27	Honda R., J. Boonnorat, C. Chiemchaisri, W.Chiemchaisri and K.Yamamoto (2012), Carbon dioxide capture and nutrients removal utilizing treated sewage by concentrated microalgae cultivation in a membrane photobioreactor, <i>Bioresource Technology</i> , 125, 59-64.	2012	27
28	Zhang, B. and Yamamoto, K.(1996), Seasonal changes of microbial population and activities in a building wastewater reuse system using a membrane separation activated sludge process. <i>Water Science and Technology</i> , Vol.34, No.5-6,295-302.	1996	26
29	Luo WH, Hai FI, Kang JG, Price WE, Guo WS, Ngo NH, Yamamoto K, Nghiem LD (2014) High retention membrane bioreactors: Challenges and opportunities. <i>Bioresource Technology</i> , 167, 539-546.	2014	26
30	Rhatanatamuskul, C., Yamamoto, K., Uruse, T., and Ohgaki, S.(1996), Effect of operation conditions on rejection of anionic pollutants in water environment by nanofiltration especially in very low pressure range, <i>Water Science and Technology</i> , Vol.34, No.9,149-156.	1996	25

31	Faisal Ibney Hai, Kazuo Yamamoto, Fumiuyuki Nakajima, Kensuke Fukushi (2009) Factors governing performance of continuous fungal reactor during non-sterile operation – The case of a membrane bioreactor treating textile wastewater, <i>Chemosphere</i> , 74, 810–817.	2009	25
32	Luo WH, Hai FI, Kang JG, Price WE, Guo WS, Ngo NH, Yamamoto K, Nghiem LD (2015) Effects of salinity build-up on biomass characteristics and trace organic chemical removal: Implications on the development of high retention membrane bioreactors. <i>Bioresource Technology</i> , 117, 274–281	2015	25
33	Ratanatamskul, C., Urase, T. and Yamamoto, K (1998), Description of behavior in rejection of pollutants in ultra-low pressure nanofiltration, <i>Water Science and Technology</i> , 38, 4/5, 453–462.	1998	24
34	Xing CH, Yamamoto K, Fukushi K (2006) Performance of an inclined-plate membrane bioreactor at zero excess sludge discharge, <i>Journal of Membrane Science</i> , 275(1–2), 175–186.	2006	24
35	Jinhua P, Fukushi K, Yamamoto K (2006) Bacterial community structure on membrane surface and characteristics of strains isolated from membrane surface in submerged membrane bioreactor, <i>Separation Science and Technology</i> , 41(7), 1527–1549	2006	23
36	Hai FI, Yamamoto K, Fukushi K (2005) Different fouling modes of submerged hollow-fiber and flat-sheet membranes induced by high strength wastewater with concurrent biofouling, <i>Desalination</i> , 180(1–3), 89–97.	2005	22
37	Chitapornpan S., C. Chiemchaisri, W. Chiemchaisri, R. Honda and K. Yamamoto (2013) Organic carbon recovery and photosynthetic bacteria population in an anaerobic membrane photo-bioreactor treating food processing wastewater, <i>Bioresource Technology</i> , 141, 65–74.	2013	22
38	Faisal Ibney Hai, Kazuo Yamamoto, Kensuke Fukushi, Fumiuyuki Nakajima (2008) Fouling resistant compact hollow-fiber module with spacer for submerged membrane bioreactor treating high strength industrial wastewater, <i>Journal of Membrane Science</i> , 317(1–2), 34–42.	2008	20
39	Lee KW, Choo KH, Choi SJ, Yamamoto K (2002) Development of an integrated ion oxide adsorption/membrane separation system for water treatment, <i>Water Science and Technology: Water Supply</i> , 2, 5/6, 293–300.	2002	19
40	Theepharaksapan, S., Chiemchaisri, C., Chiemchaisri, W., Yamamoto, K. (2011). Removal of pollutants and reduction of bio-toxicity in a full scale chemical coagulation and reverse osmosis leachate treatment system. <i>Bioresource Technology</i> , 102, 9, 5381–5388.	2011	19
41	Luxmy., B.S., Kubo, T., and Yamamoto, K. (2001), Sludge reduction potential of metazoa in membrane bioreactors, <i>Water Science & Technology</i> , Vol. 44, 10, 197–202.	2001	18

42	Oh J.I., Lee S.H. and Yamamoto K. (2004) Relationship between molar volume and rejection of arsenic species in groundwater by low-pressure nanofiltration process, <i>Journal of Membrane Science</i> , 234(1-2), 167-175.	2004	18
43	Oskar Modin, Kensuke Fukushi, Fumiyuki Nakajima, Kazuo Yamamoto (2010) Nitrate removal and biofilm characteristics in methanotrophic membrane biofilm reactors with various gas supply regimes, <i>Water Research</i> , Vol.44, No.1, pp.85-96.	2010	18
44	Boonnorat J, Chiemchasri C, Chiemchaisri W, Yamamoto K (2014) Removal of phenolic compounds and phthalic acid esters in landfill leachate by microbial sludge of two-stage membrane bioreactor. <i>J. Hazardous Materials</i> , 277 (SI) 93-101	2014	18
45	Wong,Y.K., Yamamoto,K. and Ohgaki,S.(1992), Optimal fiber spacing in externally pressurized hollow fiber module for solid liquid separation, <i>Water Science and Technology</i> , Vol.26,No.5-6,1245-1254.	1992	17
46	Xue Wenchao, Nakajima F, Yamamoto K (2015) Seawater-driven forward osmosis for enriching nitrogen and phosphorus in treated municipal wastewater: Effect of membrane properties and feed solution chemistry. <i>Water Research</i> , 69, 120-130.	2015	17
47	Choi J.H., Fukushi K. and Yamamoto K. (2005) Comparison of treatment efficiency of submerged nanofiltration membrane bioreactors using cellulose triacetate and polyamide membrane, <i>Water Science & Technology</i> , 51(6-7), 305-312.	2005	16
48	Oskar Modin, Kensuke Fukushi, Fumiyuki Nakajima, Kazuo Yamamoto (2008) Performance of a membrane biofilm reactor for denitrification with methane, <i>Bioresource Technology</i> , 99, 8054-8060.	2008	16
49	Hai FI, Yamamoto K, Nakajima F, Fukushi K, Nghiem LD, Prince WE, Jin B (2013) Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of <i>Coriolus versicolour</i> , <i>Bioresource Technology</i> , 141, 29-34.	2013	15
50	Boonnorat J, Chiemchasri C, Chiemchaisri W, Yamamoto K (2014) Microbial adaptation to biodegradable toxic organic micro-pollutants in membrane bioreactor using different sludge sources. <i>Bioresource Technology</i> , 165, 50-59.	2014	14
51	Urase,T., Yamamoto,K. and Ohgaki,S.(1993),Evaluation of virus removal in membrane separation processes using coliphage Q β <i>Water Science and Technology</i> , Vol.28,No.7,9-15.	1993	13
52	Srisukphun T., Chiemchaisri, C., Urase., T., Yamamoto, K.(2009) Experimentation and modeling of foulant interaction and reverse osmosis membrane fouling during textile wastewater reclamation, <i>Separation and Purification</i> , 68, 1, 37-49.	2009	13

53	Chiemchaisri C., W. Chiemchaisri, P. Nindee, C.Y. Chang and K. Yamamoto (2011), Treatment performance and microbial characteristics in two-stage membrane bioreactor applied to partially stabilized leachate, <i>Water Science & Technology</i> , 64(5), 1064–1072.	2011	13
54	Chitapornpan S., C. Chiemchaisri, W. Chiemchaisri, R. Honda and K. Yamamoto (2012), Photosynthetic bacteria production from food processing wastewater in sequencing batch and membrane photo-bioreactors, <i>Water Science & Technology</i> , 65(3), 504–512.	2012	13
55	JI Oh, T Urase, H Kitawaki, MM Rahman, MH Rhahman and K Yamamoto (2000) Modeling of arsenic rejection considering affinity and steric hindrance effect in nanofiltration membranes, <i>Water Science & Technology</i> , 42(3–4), 173–180.	2000	13
56	Oskar Modin, Kensuke Fukushi, Kazuo Yamamoto (2008) Simultaneous removal of nitrate and pesticides from groundwater using a methane-fed membrane biofilm reactor (M-MBFR), <i>Water Science & Technology</i> , 58(6), 1273–1279.	2008	13
57	Srisukphun, T., Chiechaisri, C., Urase, T., Yamamoto, K. (2010) Foulant interaction and RO productivity in textile wastewater reclamation plant, <i>Desalination</i> , 250, 2, 845–849	2010	13
58	Luo WH, Hai FI, Kang JG, Price WE, Guo WS, Ngo NH, Yamamoto K, Nghiem LD (2016) Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , 200, 305–310.	2016	13
59	C. Ratanatamskul, C. Chiemchaisri and K. Yamamoto (1995) The use of a zeolite-iron column for residual ammonia and phosphorus removal in the effluent from a membrane process as an on-site small-scale domestic wastewater treatment, <i>Water Science and Technology</i> , 31(9), 145–152.	1995	12
60	Luxmy Begum Shaila, Fumiyuki Nakajima and Kazuo Yamamoto (2000) Predators grazing effect on the bacterial size distribution and floc size variation in the membrane-separated activated sludge, <i>Water Science & Technology</i> , 42(3–4), 211–217.	2000	12
61	Khan MMT, Lewandowski, Z., Takizawa, S., Yamada, K., Katayama, H., Yamamoto, K., Ohgaki, S.(2009). Continuous and efficient removal of THMs from river water using MF membrane combined with high dose of PAC. <i>Desalination</i> , 249, 2, 713–720.	2009	12
62	Gemunu Herath, Kazuo Yamamoto and Taro Urase (2000) The effect of suction velocity on concentration polarization in microfiltration membranes under turbulent flow conditions, <i>Journal of Membrane Science</i> , 169(2), 175–183.	2000	12

63	Sanguanpak S, Chiemchaisri C, Chiemchaisri W, Yamamoto K (2015) Influence of operating pH on biodegradation performance and fouling propensity in membrane bioreactors for landfill leachate treatment, <i>International Biodeterioration & Biodegradation</i> , 102, 64–72.	2015	12
64	Chiemchaisri C. and Yamamoto K. (2005) Enhancement of oxygen transfer and nitrogen removal in a membrane separation bioreactor for domestic wastewater treatment, <i>Water Science & Technology</i> , 51(10), 85–92.	2005	11
65	Choi JH, Fukushi K, Ng HY, Yamamoto K (2006) Evaluation of a long-term operation of a submerged nanofiltration membrane bioreactor (NF MBR) for advanced wastewater treatment, <i>Water Science & Technology</i> , 53(6), 131–136.	2006	11
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Plenary lecture/Invited speech with the joint affiliation of AIT & UTokyo (2014-)

1. Kazuo Yamamoto, Water Reuse Technology in Tropical Regions - a Thai-Japan SATREPS (Science and Technology Research Partnership for Sustainable Development), Promotion of Thailand - Japan cooperation through technological development, Bangkok, January, 2014
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4. Kazuo Yamamoto, Towards Sustainable Wastewater Management, the IWA Specialist Conference on "Global Challenges: Sustainable Wastewater Treatment and Resource Recovery", Kathmandu, October, 2014.
5. Kazuo Yamamoto, Tropical Technologies for Water Environment in South East Asia, The 11th International Symposium on Southeast Asian Water Environment, Bangkok, November, 2014
6. Kazuo Yamamoto, Membrane Bioreactor: its diversity in biomass water management, 4th IWA Regional Conference on Membrane Technology, Ho Chi Minh, December, 2014
7. Kazuo Yamamoto, Diversity in Membrane Bioreactor Application in Urban Water Management, 1st International MBR Workshop, Tianjin, April, 2015
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9. Kazuo Yamamoto, Contribution of Water Reuse to improve and Sustain Water Environment in Urbanized Area, Global Expansion of Smart Water Treatment System for Sustainable Water Management—Locally-fitted, Compact and Decentralized Water Treatment and Management Technologies for Asia and Africa—, SATREPS Seminar, Kathmandu, December, 2015
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11. Kazuo Yamamoto, Invited speaker, Session 'Water', STS Forum, Kyoto, October, 2016.
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AWARDS

- 1) **Hirose Award** for a young researcher, Japan Society on Water Pollution Research (Presently Japan Society on Water Environment), March, 1990
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- 3) **Water Ronbun Prize** for an excellent scientific paper, Monthly Journal Mizu, April, 1997
- 4) **Ronbun Award** for excellent scientific papers, Japan Society on Water Environment, June 2004.
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- 8) **Environment Minister Award (R&D)**, Ministry of Environment, October 2010.
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- 11) **Academic Award**, Japan Society on Water Environment, June, 2013.
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Other International Recognition

The 6th of WWI's TOP25 global thought leaders in the water/wastewater industries (2016) (<http://www.waterworld.com/articles/wwi/print/volume-31/issue-1/headline/top-25-leaders.html>)