CURRICULUM VITAE

Name: Kazuo YAMAMOTO

Nationality: Japanese Date of Birth: July 3, 1954

Present status: Professor, Environmental Science Center,

The University of Tokyo

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 Scholl of Engineering, The University of

Tokyo.

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

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

Administrative experiences in academic sector

The University of Tokyo

-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 (UT 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 Tecnische 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 to date)
- -Member, Hongo Campus traffic management committee (2008 to date)
- -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)
- -Senior Advisor to the President, Asian Institute of Technology (October 7 December 31, 2013)

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 to date)
- -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 to date)
- -Inspector, Japan Institute of Environmental Statistics (2005 to 2012)
- -Member of Executive Board, Japan Institute of environmental Statistics (2013 to date)

Administrative experiences in other organizations

- -President (Chair of Board of Directors), Water Reuse Promotion Center (2009 to date)
- -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 to date)
- -Member, Planning & Management Committee, Industrial Waste Management Enterprise Development Foundation (2010 to date)
- -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 to date)
- Japan Waste Management & 3R Research Foundation (2011 to date)
- Kurita Water and Environment Foundation (2007 to date)
- River Foundation (2013 to date)
- Society of Environmental Science, Japan (2003-2007)
- The Japan Containers and Packaging Recycling Association (2009 to date)

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 to 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 to date)
- -Chairperson, National Certification Examination Committee on Jokaso Kanrishi (O & M manager), Japan Education Center of Environmental Sanitation (2004 to date)
- Member, Water Resources Development Division, National Land Council, Ministry of Land, Infrastructure, Transportation and Tourism, The Government of Japan (2003 to date)
- Adviser, Japan Environmental Sanitation Center (2010 to date)
- Member of Technology Committee, Steel Foundation for Environmental Protection Technology (2007 to date)
- Expert Member, Technical Evaluation Committee on Municipal Solid Waste Incinerators,

Clean Association of Tokyo23 (Waste Disposal of Tokyo's 23 Cities) (2008 to date)

- 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)

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]

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 date), Chairperson of Membrane Technology Specialist Group (MTSG) (1997-1999), Managing Committee Member of MTSG (to date)
- -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 Inverse Manufacturing Forum
- -Member of Institute of Environmental Statistics
- -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 (UT & 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)

On-going 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 Unoversity, 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

AWARDS

- **-Hirose Award** for a young researcher, Japan Society on Water Pollution Research (Presently JSWE), March, 1990
- -Yuko Award (Best paper award), Japan Water Works Association, May 1995
- -Water Ronbun Prize for an excellent scientific paper, Monthly Journal Mizu, April, 1997
- -Ronbun Award for excellent scientific papers, Japan Society on Water Environment, June 2004
- -Sidney Loeb Award 2008 for the invention of the submerged membrane bioreactor concept,

European Desalination Society, November, 2008.

- -Membrane Technology Award as the first awardee from Membrane Technology Specialist Group, IWA, September 2009.
- **-Consociation Award,** The Academic Consociation of Environmental Safety and Waste Management, October 2009
- -Environment Minister Award (R&D), Ministry of Environment, October 2010.
- -Water Prize, Monthly Journal Mizu, May, 2012
- -Ronbun Award for the excellent scientific paper in Year 2012, Japan Society of Material Cycle and Waste Management, Japan Society of Material Cycle and Waste Management, May 2013.
- -Academic Award, Japan Society on Water Environment, June, 2013.

Publication List

1. Papers published in peer-reviewed journals

The following 100 papers in two categories are listed on the Web of Science, showing 1828 times cited according to the Web.

1.1 Membrane related research listed in Web of Science

Descending order of <times cited as of March 19, 2013> from Web of Science

Total 1353 times cited in 64 papers: the average times cited of 21.1 per paper.

	Membrane related topic	Times cited
1	Yamamoto,K., Hiasa,M., Mahmood,T. and Matsuo,T.(1989), Direct solid liquid	257
	separation using hollow fiber membrane in an activated aeration tank, Water	
	Science and Technology, Vol.21, No.4-5, 43-54.	
2	Chiemchaisri, C., Yamamoto, K. and Vigneswaran, S. (1993), Household	91
	membrane bioreactor in domestic wastewater treatment, Water Science and	
	<i>Technology</i> , Vol.27,No.1,171-178.	
3	Chiemchaisri, C., Wong, Y.K., Urase, T. and Yamamoto, K. (1992), Organic	85
	stabilization and nitrogen removal in membrane separation bioreactor for	
	domestic wastewater treatment, Water Science and Technology, Vol.25,	
	No.10, 231-240 (selected and reprinted in Filtration & Separation (1993),	
	Vol.30, No.3,247-252)	
4	Zhang, B., Yamamoto, K., Ohgaki, S., and Kamiko, N. (1997), Floc size	64
	distribution and bacterial activities in membrane separation activated sludge	
	process for small-scale wastewater treatment and reclamation, Water Science	
	and Technology, Vol.35, No.6, 37-44.	
5	Chiemchaisri, C. and Yamamoto, K .(1994), Performance of membrane	57
	separation bioreactor at various temperatures for domestic wastewater	
	treatment, Journal of Membrane Science, Vol.87,119-129	
6	Urase, T., Oh J.I., and Yamamoto, K. (1998), Effect of pH on rejection of	55
	different species of arsenic by nanofiltration , <i>Desalination</i> , 117, 11-18.	
7	Urase,T, Yamamoto,K., and Ohgaki S.(1996), Effect of pore structure of	49
	membranes and module configuration on virus retention, Journal of	
	Membrane Science, Vo115, 21-29.	

8	Yamamoto,K. and Win,K.M.(1991), Tannery wastewater treatment using a	38
	sequencing batch membrane reactor, Water Science and Technology, Vol.23,	
	No.7-9,1639-1648.	
9	Hai FI, Yamamoto K and Fukushi K (2006) Development of a submerged	37
	membrane fungi reactor for textile wastewater treatment, Desalination,	
	192(1-3), 315-322.	
10	Monthon Thanuttamavong, Kazuo Yamamoto, Jeong Ik Oh, Kwang Ho Choo	34
	and Sang June Choi (2002) Rejection characteristics of organic and inorganic	
	pollutants by ultra-low pressure nanofiltration of surface water for drinking	
	water treatment, Desalination, 145(1-3), 257-264.	00
11	Dharmappa, H.B., Verink, J., Aim, R.B., Yamamoto, K. and	30
	Vigneswaran, S. (1992), A comprehensive model for cross-flow filtration	
	incorporating polydispersity of the effluent, <i>Journal of Membrane Science</i> ,	
10	Vol.65, 173-185 Luymy P.S. Nakajima F. and Vamamata K. (2000). Analysis of hactavial.	29
12	Luxmy, B.S., Nakajima, F., and Yamamoto, K . (2000), Analysis of bacterial community in membrane separation Bioreactors by fluorescent in situ	29
	hybridization (FISH) and denaturing gradient gel electrophoresis (DGGE)	
	techniques, Water Science and Technology, 41, 10/11,259-268.	
13	Oh, J.I., Yamamoto, K., Kitawaki, H., Nakao, S., Sugawara, T., Rahman,	27
10	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.	
14	Gemunu Herath, Kazuo Yamamoto and Taro Urase (1999) Removal of	27
	Viruses by Microfiltration Membranes at Different Solution Environments,	
	Water Science and Technology, 40(4-5), 331-338.	
15	Chiemchaisri, C. and Yamamoto, K. (1993), Biological nitrogen removal under	27
	low temperature in a membrane separation bioreactor, Water Science and	
	<i>Technology</i> , Vol.28,No.10,325-333.	
16	Choi J.H., Dockko, S., Fukushi K., and Yamamoto K. (2002), A novel	26
	application of a submerged nanofiltration membrane bioreactor (NF MBR)	
	for wastewater treatment, <i>Desalination</i> , 146, 413-420.	
17	Rhatanatamuskul, C., Yamamoto, K., Urase, T., and Ohgaki, S.(1996), Effect	23
	of operation conditions on rejection of anionic pollutants in water	
	environment by nanofiltration especially in very low pressure range, Water	
10	Science and Technology, Vol.34, No.9,149-156.	01
18	Ratanatamskul, C., Urase, T. and Yamamoto, K (1998), Description of behavior	21
	in rejection of pollutants in ultra-low pressure nanofiltration, Water Science	
10	and Technology, 38,4/5,453-462. Urase,T., Yamamoto,K . and Ohgaki,S.(1994), Effect of pore size distribution	90
19	of ultrafiltration membranes on virus rejection in cross flow conditions, <i>Water</i>	20
	Science and Technology, Vol.30, No.9, 199-208.	
20	Ozaki, N., and Yamamoto,K. (2001) Hydralic effects on sludge	19
40	Ozam, 1., and Immunovita (2001) Hydrano oncome on stude	10

accumulation on membrane surface in crossflow filtration. Water Research, 35, 13, 3137-3146.	
Urase T, Salequzzaman M, Kobayashi S, Matsuo T, Yamamoto K , and Suzuki N (1997), Effect of high concentration of organic and inorganic matters in landfill leachate on the treatment of heavy metals in very low concentration level, Water Science and Technology, 36: (12) 349-356.	9
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.	9
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.	7
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.	7
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.	6
Jae-Hoon Choi, Kensuke Fukushi and Kazuo Yamamoto (2007) A submerged nano- filtration 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	5
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.	4
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.	3
Faisal Ibney Hai, Kazuo Yamamoto , Kensuke Fukushi, Fumiyuki 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.	2
Choi J.H., Fukushi K. and Yamamoto K . (2005) Comparison of treatment efficiency of submerged nanofiltration membrane bioreactors using cellulose	2
triacetate and polyamide membrane, Water Science & Technology, 51(6-7), 305-312. 31 Oh J.I., Lee S.H. and Yamamoto K. (2004) Relationship between molar 12	

	volume and rejection of arsenic species in groundwater by low-pressure nanofiltration process, <i>Journal of Membrane Science</i> , 234(1-2), 167-175.	
32	Urase, T., Yamamoto, K. and Ohgaki, S. (1993), Evaluation of virus removal in membrane separation processes using coliphage Q6, Water Science and Technology, Vol. 28, No. 7,9-15.	12
33	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.	11
34	Faisal Ibney Hai, Kazuo Yamamoto , Fumiyuki 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.	10
35	Gemunu Herath, Kazuo Yamamoto and Taro Urase (1998) Mechanism of bacterial and viral transport through microfiltration membranes, <i>Water Science and Technology</i> , 38(4-5), 489-496.	10
36	Choi J.H., Fukushi, K., Yamamoto, K . (2008) A stude on the removal of organic acids from wastewaters using nanofiltration membranes, <i>Separation and Purification</i> , 59,1 17-25	9
37	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.	9
38	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.	9
39	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.	9
40	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.	8
41	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.	8
42	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 bioreactore for municipal wastewater	7

	treatment, Water Research, 45, 2, 863-871.	
43	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.	7
44	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.	6
45	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.	6
46	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.	6
47	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	6
48	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.	5
49	Modin, O, Fukushi, K., Rabaey, K., Rozendal, RA, Yamamoto, K .(2011) Redistribution of wastewater alkalinity with a microbial fuel cell to support nitrification of reject water. <i>Water Research</i> , 45, 8, 2691-2699.	4
50	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.	4
51	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 conbined with high dose of PAC. <i>Desalination</i> , 249, 2, 713-720.	4
52	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.	4
53	O. Modin, K. Fukushi, F. Nakajima, K. Yamamoto (2008) A membrane biofilm reactor achieves aerobic methane oxidation coupled to denitrification (AME-D) with high efficiency, <i>Water Science & Technology</i> , 58(1), 83-87.	4

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54	Srisukphun, T., Chiechaisri, C., Urase, T., Yamamoto, K. (2010) Foulant interaction and RO productivity in textile wastewater reclamation plant,	3
	Desalination, 250, 2,	
55	Hai, F.I., Yamamoto, K ., Fukushi, K. (2006) Performance of newly developed	3
	hollow-fiber module with spacer in integrated anaerobic-aerobic fungi reactor	
	treating textile wastewater, <i>Desalination</i> ,199(1-3), 305-307.	
56	Theepharaksapan, S., Chiemchaisri, C., Chiemchaisri, W., Yamamoto, K.	2
	(2011). Removal of pollutants and reduction of bio-toxicity in a full scale	
	chemical coagulation and reverse osmosis leachate treatment system.	
	Bioresource Technology, 102, 9, 5381-5388.	
57	P.M. Fontanos, K. Yamamoto , F. Nakajima and K. Fukushi (2010)	2
	Identification and Quantification of the Bacterial Community on the Surface	
	of Polymeric Membranes at Various Stages of Biofouling Using Fluorescence	
	In Situ Hybridization, Separation Science and Technology, Vol.45, No.7,	
	pp.904-910.	
58	Boonyaroj, V., Chiemchaisri, C., Chiemchaisri, W., Theepharaksapan, S.,	1
	Yamamoto, K. (2012) Toxic organic micro-pollutants removal mechanisms	
	in long-term operated membrane bioreactor treating municipal solid waste	
	leachate. Bioresouce Technology, 113, SI, 174-180.	
59	Faisal Ibney Hai, Kazuo Yamamoto , Fumiyuki Nakajima, Kensuke Fukushi	1
	(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.	
60	Srisukphun, T., Chiechaisri, C., Yamamoto, K. (2009), Modeling of RO flux	1
	decline in textile wastewater reclamation plants using variable fouling index. <i>Separation science and Technology</i> , 44, 8, 1704-1721.	
61	Ratanatamskul, C., Glingeysorn, N., Yamamoto, K., (2012) The BNR-MBR	0
	(biological nutrient removal from high-rise building in hot climate region.	
	Membrane Water Treatment, 3, 2, SI, 133-140.	
62	Boonyaroj V., C. Chiemchaisri, W. Chiemchaisri and K. Yamamoto (2012),	0
	Removal of organic micro-pollutants from solid waste landfill leachate in	
	membrane bioreactor operated without excess sludge discharge, Water	
	Science & Technology, 66(8), 1774-1780.	
63	Chitapornpan S., C. Chiemchaisri, W. Chiemchaisri, R. Honda and K.	0
	Yamamoto (2012), Photosynthetic bacteria production from food processing wastewater in sequencing batch and membrane photo-bioreactors, Water	
	Science & Technology, 65(3), 504-512.	
64	P.M. Fontanos, K. Yamamoto and F. Nakajima (2011) Effect of upflow	0
04	velocity on the performance of an inclined plate membrane bioreactor	
	treating municipal wastewater, Water Science & Technology, Vol.64, No.5,	
	pp.1102-1107.	

1.2 Other research listed in Web of Science
Descending order of <times cited as of March 19, 2013> from Web of Science

Total 475 times cited in 36 papers: the average times cited of 13.2 per paper.

100	Other topics Other topics	Times cited
1	Hai, F.I, Yamamoto, K . and Fukushi, K. (2007) Hybrid treatment systems for	93
	dye wastewater, Critical Reviews in Environmental Science and Technology,	- -
	37, 315-377	
2	Chetwittayachan, T., Shimazaki, D., and Yamamoto, K. (2002), A comparison	65
	of temporal variation of particle-bound polycyclic aromatric hydrocarbons	
	(pPAHs) concentration in diferrent urban environments: Tokyo, Japan, and	
	Bangkok, Thailand, Atmospheric Environment, 36, 2027-2037.	
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Patents

- Patent No. 3789446, In-site Catalyst for supercritical water oxidation and treatment process using the catalyst (in Japanese) (Inventors: **Yamamoto K.,** Takahashi, F., Fukushi, F., Oshima, Y.)
- 2 US Patent 7,311,833, Zero Excess Sludge Membrane Bioreactor (Inventors: Yamamoto, K. and Chuan-Hong Xing).