Curriculum Vitae

Name	Toshinari MAEDA	
Birthday	May 26, 1978	
Nationality	Japan	
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Work Experience

* April, 2006 – September, 2007 : Postdoctoral Fellowship, Artie McFerrin Department of Chemical Engineering, Texas A&M University
* October, 2007 – September, 2011 : Assistant Professor, Department of Biological Functions and Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology
* March, 2010 – August, 2010 : Visiting Researcher, Excellent Young Researcher Overseas Visit Program of Japan Society for the Promotion of Science
* October, 2011 –October 2021 : Associate Professor, Department of Biological Functions Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology
* November 2021-Present : Professor, Associate Professor, Department of Biological Functions Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology

Education

* April, 1995 – March, 1999 : Associate degree, Departmet of Applied Chemistry, Kurume National College of Technology
* April, 1999 – March, 2001 : Bachelor, Department of Applied Chemistry, School of Engineering, Kyushu Institute of Technology
* April, 2001 – March, 2003 : Master, Department of Biological Functions and Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology
* April, 2003 – March, 2006 : Doctor (Dr. Eng.), Department of Biological Functions and Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology

Honors and Awards

* June 25, 2008 : The best paper award at the 2008 annual meeting of Japan Society of Environmental Biotechnology
* June 24, 2009 : The incentive award of Japan Society of Environmental

Biotechnology

* March, 2010 – August, 2010 : Excellent Young Researcher Overseas Visit Program of Japan Society for the Promotion of Science
* May 31, 2013 : The best paper award at the 2013 annual meeting of Japan Society of Environmental Biotechnology

Research fields

* Biotechnology (Microbial Biotechnology and Environmental Biotechnology)
* Environmental Chemistry
* Molecular Genetics (cloning, metabolic engineering, and protein engineering)

Research Projects

* Bioenergy production (e.g. biohydrogen)
* Eco-fitting technology to reduce the amount of waste activated sludge
* Recycle of waste activated sludge
* Biodegradation of pollutants (bioremediation)
* Quorum quenching, biofilm formation (control of microbial communication)
* Inactivation of oral pathogens
* Construction of microbial biosensors

Number of Postgraduate Students Supervised:

Program	**Status**	**As a Chairman (Main Supervisor)**	**As a Member (Co-supervisor)**
PhD	Graduated	11	3
	Ongoing	5	3
Masters (with thesis)	Graduated	42	30
	Ongoing	13	10

Number of Publications:

H-index : 28

List 10 Significant **Journal Publications** (Latest):

(1) Phuong Thi Dong Nguyen, Nurul Asyifah Mustapha, Kiwao Kadokami, Rodolfo Garcia-Contreras, Thomas K. Wood, Toshinari Maeda*, Quorum sensing between Gram-negative bacteria responsible for methane production in a complex waste sewage sludge consortium, Applied Microbiology and Biotechnology, Vol. 103, No. 3, 1485-1495, 2019.

(2) Nurul Asyifah Mustapha, Anyi Hu, Chang-Ping Yu, Siti Suhailah Sharuddin, Norhayati Ramli, Yoshihito Shirai, Toshinari Maeda*. Seeking key microorganisms for enhancing methane production in anaerobic digestion of waste sewage sludge, Applied Microbiology and Biotechnology, Vol. 102, No. 12, 5323-5334, 2018.

(3) Nurul Asyifah Mustapha, Siti Suhailah Sharuddin, Mohd Huzairi Mohd Zainudin, Norhayati Ramli, Yoshihito Shirai, Toshinari Maeda*, Inhibition of methane production by the palm oil industrial waste phospholine gum in a mimic enteric fermentation, Journal of Cleaner Production, Vol. 165, 621-629, 2017.

(4) Nazlina Haiza Mohd Yasin, Azusa Ikegami, Thomas K. Wood, Chang-Ping Yu, Tetusya Haruyama, Mohd Sobri Takriff, Toshinari Maeda*, Oceans as bioenergy pools for methane production using activated methanogens in waste sewage sludge, Applied Energy, Vol. 202, 399-407, 2017.

(5) Nurul Asyifah Mustapha, Kenji Sakai, Yoshihito Shirai, Toshinari Maeda*, Impact of different antibiotics on methane production using waste-activated sludge: mechanisms and microbial community dynamics, Applied Microbiology and Biotechnology, Vol. 100, No. 21, 9355-9364, 2016.

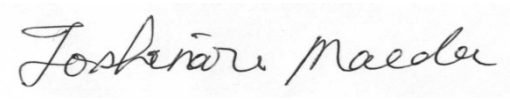
(6) Norzawani Jaffar, Yuya Ishikawa, Kouhei Mizuno, Toshinori Okinaga, Toshinari Maeda*, Mature biofilm degradation by potential probiotics: Aggregatibacter actinomycetemcomitans versus Lactobacillus spp., PLoS One, Vol. 11, e0159466, 2016.

(7) Nazlina Haiza Mohd Yasin, Toshinari Maeda*, Anyi Hu, Chang-Ping Yu, Thomas K. Wood, CO2 sequestration by methanogens in activated sludge for methane production, Applied Energy, Vol. 142, 426-434, 2015.

(8) Kien Trung Tran, Toshinari Maeda*, Viviana Sanchez-Torres, Thomas K. Wood, Beneficial knockouts in Escherichia coli for producing hydrogen from glycerol, Applied Microbiology and Biotechnology, Vol. 99, No. 6, 2573-2581, 2015.

(9) Nazlina Haiza Mohd Yasin, Viviana Sanchez-Torres, Toshinari Maeda*, Enhanced reduction of waste activated sludge at a low temperature by locally isolated strains Pseudomonas sp. VNT and Aeromonas sp. VNT, Bioresource Technology, Vol. 174C, 134-141, 2014

(10) Minh Tuan Nguyen, Nazlina Haiza Mohd Yasin, Toshiki Miyazaki, Toshinari Maeda*, Enhancement of sludge reduction and methane production by removing extracellular polymeric substances from waste activated sludge, Chemosphere, Vol. 117, 552-558, 2014.



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