

-CURRICULUM VITAE-

Masahiro Tokumura, Ph.D.

Specially Appointed Assistant Professor

Laboratory of Atmospheric Environment,
Graduate Division of Nutritional and Environmental Sciences,
University of Shizuoka

Address : 52-1 Yada, Suruga-ku, Shizuoka 422-8526, Japan

Tel/Fax : +81-54-264-5789

E-mail : tokumura@u-shizuoka-ken.ac.jp

Website : <https://sites.google.com/site/mtokumura88/>
<http://sfns.u-shizuoka-ken.ac.jp/sfnseng/index.html>

Education

Doctor of Engineering, Toyo University, Kawagoe, Japan, 2010.

Mater of Engineering, Toyo University, Kawagoe, Japan, 2007.

Bachelor of Engineering, Toyo University, Kawagoe, Japan, 2005.

Employment

University of Shizuoka, Graduate Division of Nutritional and Environmental Sciences, 2016-present

Yokohama National University, Faculty of Environment and Information Sciences, 2012-2016

University of Tokyo, Graduate School of Frontier Sciences, 2010-2012

Books

- 1) **Tokumura M.** and Kawase Y., Excel VBA for Wastewater treatment, Tokyo Denki University Press, 2014.
- 2) **Tokumura M.** and Kawase Y., Excel for Wastewater treatment, Tokyo Denki University Press, 2014

Journal articles

- 1) Md. Habibullah-Al-Mamun, Md. Kawser Ahmed, Mohammad Raknuzzaman, Md. Saiful Islam, Mir Mohammad Ali, **Masahiro Tokumura**, Shigeki Masunaga, Occurrence and assessment of perfluoroalkyl acids (PFAAs) in commonly consumed seafood from the coastal area of Bangladesh, Marine Pollution Bulletin, in press, 2017.
- 2) **Masahiro Tokumura**, Kouichi Tatsu, Rurika Hatayama, Shigeki Masunaga, A Simulation Study to Evaluate the Feasibility of a Simple Car Cabin Air Cleaning Device Using Windshield Washer Fluid as a Wet Scrubber, Environmental science, in press, 2017.
- 3) Yuichi Miyake, **Masahiro Tokumura**, Qi Wang, Zhiwei Wang, Takashi Amagai, Comparison of the Volatile Organic Compound Recovery Rates of Commercial Active Samplers for Evaluation of Indoor Air Quality in Work Environments, Air Quality, Atmosphere & Health, 1-10, 2017.
- 4) **Masahiro Tokumura**, Yuki Yamatori, Rurika Hatayama, Yoich Negishi, Shigeki Masunaga, Screening and Source Identification of Hazardous Substances in Car Indoor Dust Using Marker Elements by Field Emission Electron Probe Micro Analyzer, Environmental science, 30, 34-43, 2017.
- 5) **Masahiro Tokumura**, Rurika Hatayama, Kouichi Tatsu, Toshiyuki Naito, Tetsuya Takeda, Mohammad Raknuzzaman, Md. Habibullah-Al-Mamun, Shigeki Masunaga, Organophosphate Flame Retardants in the Indoor Air and Dust in Cars in Japan, Environmental Monitoring and Assessment, 189: 48, 2017.
- 6) Md. Habibullah-Al-Mamun, Md. Kawser Ahmed, Mohammad Raknuzzaman, Md. Saiful Islam, Junya Negishi, Shihori Nakamichi, Makoto Sekine, **Masahiro Tokumura**, Shigeki Masunaga, Occurrence and distribution of perfluoroalkyl acids (PFAAs) in surface water and sediment of a tropical coastal area (Bay of Bengal coast, Bangladesh), Sci. Total Environ., 571, 1089-1104, 2016.
- 7) **Masahiro Tokumura**, Rurika Hatayama, Kouichi Tatsu, Toshiyuki Naito, Tetsuya Takeda, Mohammad Raknuzzaman, Md. Habibullah-Al-Mamun, Shigeki Masunaga, Car Indoor Air Pollution by Volatile Organic Compounds and Aldehydes in Japan, AIMS Environmental Science, 3, 362-381, 2016.
- 8) **Masahiro Tokumura**, Asato Sugawara, Mohammad Raknuzzaman, Md. Habibullah-Al-Mamun, Shigeki Masunaga, Comprehensive Study on Effects of Water Matrices on Removal of Pharmaceuticals by Three Different Kinds of Advanced Oxidation Processes, Chemosphere, 159, 317-325, 2016.

- 9) Mohammad Raknuzzaman, Md. Kawser Ahmed, Md. Saiful Islam, Md. Habibullah-Al-Mamun, Masahiro Tokumura, Makoto Sekine, Shigeki Masunga, Trace metal contamination in commercial fish and crustaceans collected from coastal area of Bangladesh and health risk assessment, *Environmental Science and Pollution Research*, 23, 17298-17310, 2016.
- 10) Masahiro Tokumura, Atsushi Mizukoshi, Miyuki Noguchi, Yuko Wada, Yuri Usami, Takako Yamaki, Yukio Yanagisawa, Removal of acetaldehyde gas using wet scrubber coupled with photo-Fenton reaction, *AIMS Environmental Science*, 3, 159-167, 2016.
- 11) Mohammad Raknuzzaman, Md. Kawser Ahmed, Md. Saiful Islam, Md. Habibullah-Al-Mamun, Masahiro Tokumura, Makoto Sekine, Shigeki Masunga, Assessment of trace metals in surface water and sediment corrected from polluted coastal area of Bangladesh., *J. Water Environ. Technol.*, 14, 247-259, 2016.
- 12) Feng Ye, Masahiro Tokumura, Md. Saiful Islam, Yasuyuki Zushi, Jungkeun Oh, Shigeki Masunaga, Spatial distribution and importance of potential perfluoroalkyl acid precursors in urban rivers and sewage treatment plant effluent – Case study of Tama River, Japan, *Water Res.*, 67, 77-85, 2014.
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- 16) Waraluk Sabaikai, Makoto Sekine, Masahiro Tokumura, Yoshinori Kawase, UV light photo-Fenton degradation of polyphenols in oolong tea manufacturing wastewater, *J. Environ. Sci. Heal. A*, 49, 193-202, 2014.
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- 19) Masahiro Tokumura, Mai Shibusawa, Yoshinori Kawase, Dynamic simulation of degradation of toluene in waste gas by the photo-Fenton reaction in a bubble column, *Chem. Eng. Sci.*, 100, 212-224, 2013.
- 20) Masahiro Tokumura, Rurika Hatayama, Yoshinori Kawase, Yukio Yanagisawa, Improving biodegradability of non-biodegradable compounds using photo-Fenton reaction, *J. Water Environ. Technol.*, 11, 121-130, 2013.
- 21) Masahiro Tokumura, Risa Morito, Yoshinori Kawase, Photo-Fenton process for simultaneous colored wastewater treatment and electricity and hydrogen production, *Chem. Eng. J.*, 221, 81-89, 2013.
- 22) Jung Keun Oh, Satoshi Managaki, Masahiro Tokumura, Shigeki Masunaga, Identification of Hexabromocyclododecane enantiomer and its brominated derivatives in Japanese riverine environment, *Organohalogen Compounds*, 75, 1016-1019, 2013.
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- 24) Masahiro Tokumura, Yuko Wada, Yuri Usami, Takako Yamaki, Atsushi Mizukoshi, Miyuki Noguchi, Yukio Yanagisawa, Method of removal of volatile organic compounds by using wet scrubber coupled with photo-Fenton reaction -Preventing emission of by-products-, *Chemosphere*, 89, 1238-1242, 2012.
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 - 41) Masahiro Tokumura, Mayumi Baba and Yoshinori Kawase, Dynamic modeling and simulation of absorption of carbon dioxide, *Chem. Eng. Sci.*, 62, 7305-7311, 2007.
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