

CURRICULUM VITAE

NAME LEUNG Ho Man Homan (梁浩文)
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RESEARCH INTEREST Green Biology, Environmental Sciences

QUALIFICATIONS

1997-2000 Higher Diploma in Applied Biology, Hong Kong Technical College, Hong Kong Vocational Council
2000-2002 BSc (Hons) in Applied Biology, Hong Kong Baptist University
2002-2004 MSc in Environmental and Public Health Management, Hong Kong Baptist University
2005-2008 PhD in Biology (Environmental Sciences), Hong Kong Baptist University

WORKING EXPERIENCE

1996-1997 Office Assistant, Apple Computer Co. Ltd.
1998-1999 Part-time Aquarium Conservator, Ocean Park, Hong Kong.
1999-2001 Summer Instructor, S.K.H. Kei Oi School.
2000-2002 Student Helper (UNEP data analysis), Biology Department, Hong Kong Baptist University
2002-2005 Research Assistant, Croucher Institute for Environmental Sciences, Hong Kong Baptist University
2005-2008 Lab Demonstrator, Department of Biology, Hong Kong Baptist University
2008-2011 Research Associate, Croucher Institute for Environmental Sciences, Hong Kong Baptist University
2011- Research Associate, Department of Biology, Hong Kong Baptist University
2012- Part time Lecturer, Open University of Hong Kong
(Teaching module: Environmental Leadership and Decision-making)
2013- Part time Lecturer, Shue Yan University
(Teaching module: Energy Technology and Environment)
2014- Guest Editor (Environmental Research and Pollution Control)

TRAINING RECORDS

2008 Ecotourism Ambassador, Green Produce Foundation
2009-2010 Advanced Certificate in Quality Control and Food Safety Management, HKU-SPACE
2008-2010 Diploma in Occupational Safety and Health, Open University of Hong Kong
2011 Certificate in Pharmaceutical Care
2011- Certificate in Laboratory Technician, Hong Kong Institute of Vocational Education
2012 Certified Energy Auditor, Hong Kong College of Engineering

SCHOLARSHIP

2008 Wai Tak Land Investment & Loan Co., Ltd. Research Scholarship
(懷德置業按揭有限公司研究生獎學金) HKD 22,000

PUBLICATIONS

Papers in international refereed journals

1. **Leung HM**, Ye ZH, Wong MH. 2006. Interactions of mycorrhizal fungi with *Pteris vittata* (As hyperaccumulator) in As contaminated soils. *Environmental Pollution* 139, 1-8.
2. **Leung HM**, Ye ZH, Wong MH. 2007. Survival strategies of plants associated with arbuscular mycorrhizal fungi on toxic mine tailings. *Chemosphere* 66, 905-915.

3. Cheung KC, **Leung HM**, Kong KY, Wong MH. 2007. Residual levels of DDTs and PAHs in freshwater and marine fish from Hong Kong markets and their health risk assessment. *Chemosphere* 66, 460-468.
4. Cheung KC, **Leung HM**, Wong MH. 2008. Metal concentrations of common freshwater and marine fish from the Pearl River Delta, South China. *Archive of Environmental Contamination and Toxicology* 54, 705-715.
5. Cheung KC, Zhang JY, Deng HH, Ou YK, **Leung HM**, Wu SC, Wong MH. 2008. Interaction of higher plant (jute), electrofused bacteria and mycorrhiza on anthracene biodegradation. *Bioresources Technology* 99, 2148-2155.
6. Cheung KC, Zheng JS, **Leung HM**, Wong MH. 2008. Exposure to polybrominated diphenyl ethers associated with the consumption of marine and freshwater fish in Hong Kong. *Chemosphere* 70, 1707-1720.
7. Cheung KC, Leung AOW, Qin YY, **Leung HM**, Zheng JS, Wong MH. 2008. Residual levels of polybrominated diphenyl ether (PBDEs), dichlorodiphenyltrichloroethanes (DDTs) and polycyclic aromatic hydrocarbon (PAHs) in freshwater and marine fish from Hong Kong markets. *Organohalogen Compounds* 70, 1128-1132.
8. Wu FY, **Leung HM**, Wu SC, Ye ZH, Wong MH. 2009. Variation in arsenic, lead and zinc tolerance and accumulation in six populations of *Pteris vittata* L. from China. *Environmental Pollution* 157, 2394-2404.
9. **Leung HM**, FY Wu, KC Cheung, ZH Ye and MH Wong. 2010. The Effect of Arbuscular mycorrhizal fungi and phosphate amendment on arsenic uptake, accumulation and growth of *Pteris Vittata* in As-contaminated soil. *International Journal of Phytoremediation* 12, 384-403.
10. **Leung HM**, FY Wu, KC Cheung, ZH Ye and MH Wong. 2010. Synergistic effects of arbuscular mycorrhizal fungi and phosphate rock on heavy metal uptake and accumulation by an arsenic hyperaccumulator. *Journal of Hazardous Material* 181, 497-507.
11. Wu FY, Bi YL, **Leung HM**, Ye ZH, Lin XG, Wong MH. 2010. Accumulation of As, Pb, Zn, Cd and Cu and arbuscular mycorrhizal status in populations of *Cynodon dactylon* grown on metal-contaminated soils. *Applied Soil Ecology* 44, 213-218.
12. Wang HS, Du J, **Leung HM**, Leung AOW, Liang P, Giesy JP, Wong CKC, Wong MH. 2011. Distribution and source apportionments of polychlorinated biphenyls (PCBs) in mariculture sediments from the Pearl River Delta, South China. *Marine Pollution Bulletin* 63, 516-522.
13. Wang HS, Du J, Ho KL, **Leung HM**, Lam MHW, Giesy JP, Wong CKC, Wong MH. 2011. Exposure of Hong Kong residents to PBDEs and their structural analogues through market fish consumption. *Journal of Hazardous Materials* 192, 374-380.
14. Cheung KC, **Leung HM**, Ma KK, Peng XL, Zheng JS. 2012. Assessment on the biodiversity, water and sediment qualities of remediated estuaries in Hong Kong. *International Journal of Environmental Protection* 3, 1-14.
15. Huang MJ, Wang W, **Leung HM**, Chan CY, Liu WK, Wong MH, Cheung KC. 2012. Mercury levels in road dust and household TSP/PM_{2.5} related to concentrations in hair in Guangzhou, China. *Ecotoxicology and Environmental Safety* 81, 27-35.
16. **Leung HM**, Wang ZW, Ye ZH, Yung KKL, Peng XL, Cheung KC. 2013. Interactions between arbuscular mycorrhizae and a hyper-accumulator and non-accumulator for phytoremediation: A review. *Pedosphere* 23, 549-563.
17. **Leung HM**, Leung AOW, Ye ZH, Cheung KC, Yung KKL. 2013. Mixed arbuscular mycorrhizal (AM) fungal application to improve growth and arsenic accumulation of *Pteris vittata* (As hyperaccumulator) grown in As-contaminated soil. *Chemosphere* 92, 1367-1374.
18. Hu JL, Wu SC, Wu FY, **Leung HM**, Lin XG, Wong MH. 2014. Arbuscular mycorrhizal fungi enhance both absorption and stabilization of Cd by Alfred stonecrop (*Sedum alfredii* Hance) and perennial ryegrass (*Lolium perenne* L.) in a Cd-contaminated acidic soil. *Chemosphere* 93, 1359-1365.
19. Wang HS, Chen ZJ, Cheng Z, Du J, Man YB, **Leung HM**, Giesy John P., Wong CKC, Wong MH. 2014. Aquaculture-derived enrichment of hexachlorocyclohexanes (HCHs) and dichlorodiphenyltrichloroethanes

- (DDTs) in coastal sediments of Hong Kong and adjacent mainland China. *Science of The Total Environment* 466–467, 214-220.
20. **Leung HM**, Leung AOW, Wang HS, Ma KK, Liang Y, Ho KC, Cheung KC, Tohidi F, Yung KKL. 2014. Assessment of heavy metals/metalloid (As, Pb, Cd, Ni, Zn, Cr, Cu, Mn) concentrations in edible fish species tissue in the Pearl River Delta (PRD), China. *Marine Pollution Bulletin* 78, 235-245.

Books

1. 黃銘洪等著. 2003. 環境污染與生態恢復, 第八章, 人工濕地與污水處理, “凡口鉛/鋅礦濕地出入水水質情況(梁浩文), 二百三十六頁, 科學出版社
2. 蘇美靈、李文聰、梁浩文、葉國樑. 2010, <信耶穌並非……>, 出版者: 基督教天人社
3. KKL Yung, AOW Leung, **HHM Leung**. 2014. International Conference on Eco-aquaculture and Public Health (Proceedings).

Posters and oral presented at international conferences

1. Leung HM, Ye ZH, Wong MH. 2007. Interactions of mycorrhizal fungi with *Pteris vittata* (As hyperaccumulator) in As contaminated soils. The 9th International Conference on the Biogeochemistry of Trace Elements, Beijing (15-19 July 2007).
2. Ho KC, Wong YK, Cheung KC, Leung HM, Lau CY. 2011. Carbon sequestration potential of vertical green wall with ornamental plants. International Conference on new and renewable energy development-Response to global climate change cum cross-strait scientists focus on energy efficiency and management, Hong Kong (23-28 Oct 2011).
3. Leung HM, Wong YK, Lee Fred WF, Xu JL, Yung KL, Cheung KC, Ho KC. 2012. Light-emitting diodes (LEDs)-Energy efficient lighting sources and their potential in indoor microalgae cultivation. Proceedings of the 5th International Conference and Prevention and Management of harmful algal blooms in South China Sea: New Era in HAB research, Macau (29 March-1 April 2012)
4. Leung HM, Wang ZW, Cheung KC, Yung KL, Liang Y, Wong YK, Ho KC. 2012. Improving recycling behavior in Hong Kong. A focus on Environmental friendly treatment to municipal solid wastes. 2012 Focus on development of sci-tech industry: Guangzhou, Hong Kong and Macao. (30-31 Aug 2012).
5. Leung HM, Ma KK, Leung AOW, Wong YK, Yung KL, Cheung KC, Ho KC. 2013. Light-Emitting Diodes (LEDs)—Energy efficient lighting sources and their potential in indoor microalgae cultivation. International Conference on Energy and Sustainability (ICES 2013), Beijing, China.
6. Leung HM, Leung AOW, Ma KK, Liang Y, Wong YK, Cheung KC, Ho KC, Yung KKL. 2013. Spatial distribution of algal populations in the fishponds of Pearl River Delta (PRD), China. The 1st International Conference on Beneficial Uses of Algal Biomass (ICBUAB 2013), Hong Kong, China.
7. Wong YK, Ho KC, Lai PK, Leung CC, Ho YM, Lee OK, Yung KKL, Leung HM. 2013, A study on algal growth behaviour under different sparging period of CO₂ supplementation. The 1st International Conference on Beneficial Uses of Algal Biomass (ICBUAB 2013), Hong Kong, China.

CONSULTANCY REPORT

1. Leung HM, Cheung KC, Wong MH. 2004. Testing Guideline on the Degradability and Food Safety of Containers and Bags – Specification for the Development of Insulation Capacity Testing Method. Final Report for Environmental Protection Department.
2. Fung KF, Poon BHT, Leung HM, Wong MH. 2005. Ecological monitoring and tree restoration monitoring in South East New Territories (SENT) Landfill. Final report, Green Valley Landfill, Limited.
3. Fung KF, Li WK, Leung HM, Wong MH. 2006. Ecological monitoring and tree restoration monitoring in South East New Territories (SENT) Landfill. Final report, Green Valley Landfill, Limited.
4. Fung KF, LI WK, Leung HM, Wong MH. 2007. Ecological monitoring and tree restoration monitoring in South East New Territories (SENT) Landfill. Final report, Green Valley Landfill, Limited.

5. Fung KF, Li WK, Leung HM, Wong MH. 2008. Ecological monitoring and tree restoration monitoring in South East New Territories (SENT) Landfill. Final report, Green Valley Landfill, Limited.
6. Man KY, Leung HM, Wong MH. 2009. Ecological monitoring and tree restoration monitoring in South East New Territories (SENT) Landfill. Final report, Green Valley Landfill, Limited.
7. Cheung KC, Leung HM. 2010. Environmental education on river remediation and ecological restoration: A case study on Shing Mun River and Lam Tsuen River (河流修復和生態復原的環境教育: 城門河和林村河個案研究). Final report, Environmental Conservation Fund, Environmental Protection Department.
8. KC Ho, Wong YK, Cheung KC, Leung HM, Lau CY. 2011. Provision of Service for Soilless System for Green Wall (Phase 1). Final report, Innogreen Environmental Ltd.
9. KC Ho, Wong YK, Yung KL, Cheung KC, Leung HM. 2012. Provision of Service for Soilless System for Green Wall (Phase 2). Final report, Innogreen Environmental Ltd.
10. KKL Yung, AOW Leung, HHM Leung. 2014. International Conference on Eco-aquaculture and Public Health

PRESENTATION

1. Leung HM, Wong YK, Lee Fred WF, Xu JL, Yung KL, Cheung KC, Ho KC. 2012. Light-emitting diodes (LEDs)—Energy efficient lighting sources and their potential in indoor microalgae cultivation. Proceedings of the 5th International Conference and Prevention and Management of harmful algal blooms in South China Sea: New Era in HAB research, Macau (29 March-1 April 2012)
2. Leung HM. 2012. Environmental education on river remediation and ecological restoration: A case study on Shing Mun River and Lam Tsuen River. University of Hong Kong (28 September 2012)
3. Leung HM. 2012. Environmental education on river remediation and ecological restoration: A case study on Shing Mun River and Lam Tsuen River. Institute of Vocational Education (3 October 2012)
4. Leung HM, Ma KK, Yung KKL. 2013. River remediation and ecological restoration in Shing Mun River and Lam Tsuen River: A way to achieve safety level to general public. Occupational Hygiene Technical Conference 2013. Hong Kong University of Science & Technology (27 April 2013)
5. Leung HM, Ma KK, Leung AOW, Wong YK, Yung KL, Cheung KC, Ho KC. 2013. Light-Emitting Diodes (LEDs)—Energy efficient lighting sources and their potential in indoor microalgae cultivation. International Conference on Energy and Sustainability (ICES 2013), Beijing, China.

RESEARCH GRANTS AWARDED

2008-2009	The Mechanisms Involved in Nonmetallicolous Populations of <i>Pteris vittata</i> L. Accumulating Arsenic More Effectively than Metallicolous Populations (Faculty Research Grant, HKBU, Co-investigator) (FRG2/08-09/080) (污染生態型與非污染生態型蜈蚣草砷吸收差異機理研究)	HK\$ 100,000
2010	Ecological Restoration and Increase of Biological Diversity of Shing Mun River (Teaching Development Grant, HKBU, Co-investigator) (TDG-0607-II-05)	HK\$ 50,000
2014	Effect of rhizobacteria on the tolerance, uptake and speciation of arsenic and mercury in rice (General Research Fund, HKIED, Collaborator)	HK\$ 596,960
2014	International Conference on Eco-aquaculture and Public Health (Co-Investigator)	HK\$ 99,000