

CURRICULUM VITAE (HUU HAO NGO)

Personal Details

Title	Professor
Name	Huu Hao Ngo
Highest Degree	Ph.D in Environmental Engineering, 1995, University of Technology, Sydney (UTS), Australia
Address	UTS, FEIT, CB11.11.207, PO Box 123, Broadway, NSW 2007, Australia
Contact No. & Email	Tel: 61-2-95142745; Mobile: 61-415068687; Fax: 61-2-95142633 Email: h.ngo@uts.edu.au or ngohuuhao121@gmail.com

Employment

Current Position:

- Professor of Environmental Engineering
- Deputy Director and Research Theme Coordinator of Centre for Technology in Water and Wastewater (CTWW)
- Acting Director, Research Programs, University of Technology, Sydney (January – April)

Previous position: Assistant Researcher (1980-1983), A.E Research Centre, Division of Water Quality and Pollution Control, Taiwan; Lecturer and Labs Manager (1981-1987), Ming-Hsin University of Science and Technology (formerly: Ming-Hsin Institute of Technology, Taiwan); Programmer/Research Engineer (1988), Agricultural Engineering Centre, Glenfield, Australia; University of Technology, Sydney, Australia, 1989-present.

Visiting position: Asian Institute of Technology, Thailand (Visiting Research Engineer, 6/95 and 7/96); Chonnam National University, Korea (Visiting Research Fellow, 11/98, 7/99, 2/2000, 2/2003); Nagaoka University of Technology, Japan (Visiting Research Fellow, 7/2000, 2/2001, 6/2002), INSA, Toulouse, France (Visiting Research Fellow, 2/2003)

Research Expertise

Ngo is an academic with more than thirty years' professional experience in Australia and in Asian countries. Presently, Ngo is Professor of Environmental Engineering and serving as Deputy Director and Research Theme Coordinator - Sustainable Water: Treatment and Reuse Technologies and Management of Centre for Technology in Water and Wastewater (CTWW), School of Civil and Environmental Engineering, University of Technology, Sydney.

Ngo is internationally well known for his activities in the areas of water and wastewater treatment and reuse technologies, which include advanced biological waste treatment (aerobic and anaerobic membrane bioreactors, specific attached and/or suspended growth bioreactors, biosorption, wetland), membrane technologies (membrane hybrid system, desalination), and physical-chemical separation technologies as pretreatment or post-treatment (adsorption, flocculation and filtration).

His expertise and practical experience also covers the areas of solid waste management, alternative water resources, water management, treatment and impact assessment, and pollution control. In addition, he has demonstrated a significantly leading role in the sustainable water research team and provided useful advice on the theoretical and technical concepts of system design and experimental configuration as well as mathematical models. Currently, his activities are more in greenhouse gas emission control and minimisation and development of specific green technologies: water – waste – energy nexus and greenhouse gas emission control.

Professional Memberships

- Member of Australian Water Association (AWA)
- International Water Association (IWA)
- Managing Committee Member of IWA Working Group on Alternative Water Resources (China)
- Member of American Chemical Society (ASC)
- Member of European Desalination Society (EDS)
- Life member of International Forum on Industrial Bioprocesses (IFIBiop)
- International member of the 21st Century Centre of Excellence (COE) on Global Renaissance by Green Energy Revolution, Japan

Professional Development Activity

Journal Editor:

- Editor of Bioresource Technology (BITE), Elsevier (ERA Journal, Ranked 8 out of the Top 20 Journals in Energy & Fuels based on SJR, Impact Factor = 4.75) (2011 – present)
- Editor-in-Chief of Journal of Water Sustainability (JWS), UTS and XAUAT (2011- present)
- Editorial Board Member of Journal of Chemistry, Hindawi (Impact Factor = 0.516) (2012 - present)
- Editorial Board Member of International Journal of Waste Resources, OMICS (2013 - present)
- Editorial Board Member of Journal of Advances in Environmental Chemistry, Hindawi (2013 - present)
- Editorial Board Member of Environmental Nanotechnology, Monitoring and management, Elsevier (2013 - present)
- Associate Editor of BITE, Elsevier (2008 – 2011)
- Editorial Board Member of BITE, Elsevier (2007 – 2008)
- Guest Editor for CESE (International Conference on Challenges in Environmental Science & Engineering) in Special Issues of BITE (2009)

Book Editor:

- Principal Editor for the book entitled “Green Technologies for Sustainable Water Management”, American Society of Civil Engineers (ASCE) (2013)
- Editor for a new book series titled as New and Future Developments in Biotechnology and bioengineering, Volume IVA: Biological Treatment of Industrial Effluents to be published by Elsevier (2013)

Off-shore Seminars/Lecturers:

- Korea (e.g. Chonnam National University, Korea Advanced Institute of Science and Technology, Gwangju Institute of Science and Technology, Myongchi University, Gwangju Water Research Centre),
- China (e.g. Tongji University, Shandong University, Tianjin Polytechnic University, Xi’an University of Architecture and Technology),
- Japan (e.g. Metropolitan Tokyo Institute of Technology, Nagaoka University)
- Taiwan (e.g. National Taiwan University, Chung Yuan University, Chengkung National University, Chia Nan University)
- Vietnam (e.g. the Exceed Expert Seminar – Water issues in Mega Cities – Viet Nam National University – Ho Chi Minh City – Institute for Environment and Water Resources)

Keynote/Invited Speaker:

2014: International Workshop on Bioenergy and Environment, Tianjin, China
2014: International Workshop on Membrane Bioreactor for Sustainable Water, MBR Centre, TPU, China
2014: Specific Seminars on Innovative Bioreactors for Future Green Bioprocess, NCKU, Taiwan
2013: International Symposium Re-Water 2013, Braunschweig, Germany
2013: International Conference on Health, Environment & Industrial Biotechnology, Allahabad, India
2013: International Conference on Challenges in Environmental Science & Engineering (CESE), Korea
2013: The Exceed Expert Seminar "Water issues in Mega Cities", Ho Chi Minh City, Viet Nam
2013: International Conference on Bioenergy, Environment & Sustainable Technologies, Tiruvannamalai, India
2012: The international Conference on Industrial Biotechnology, Patiala, India
2012: The international Conference on Sustainability Science in Asia, Bali, Indonesia
2011: The International Conference on New Horizons in Biotechnology, Trivandrum, India
2009: The International Conference on Challenges in Biotechnology and Food Technology, 2009, Annamalai, India
2007: The International Conference on Cleaner Technologies and Environmental Management, Pondicherry, India
2006: The Symposium for the 21st Century Centre of Excellence Program on "Global Renaissance by Green Energy Revolution" Nagaoka, Japan
2001: The Environmental Management and Pollution Abatement, Madras

Conference Theme Co-Chair:

2010, 2011, 2012: International Conference on Challenges in Environmental Science & Engineering (CESE)

Conference Committee Member:

2014: The 4th IWA Regional Conference on Membrane Technology, Ho Chi Minh, Viet Nam
2014: IWA Alternative Water Resources Conference, Nanjing, China
2014: 10th European Symposium on Biochemical Engineering Sciences and 6th International Forum on Industrial Bioprocesses, Lille, France
2013: IWA Conference on Alternative Water Resources Management and Integrated Technologies for Sustainable Urban Water System, Qingdao, China
2012: Industrial Biotechnology, Patiala, India
2012: The 5th International Industrial Bioprocesses, Taipei, Taiwan
2011: IWA International Conference, Cities of the future Xi'An, China;
2011: the 8th IWA International Symposium on Waste Management Problems in Agro-Industries, Cesme, Turkey
2009: International Scientific Board Member of CESE, Townsville, Australia
2009: International Scientific Board Member of the International Conference on Challenges in Biotechnology and Food Technology (CBFT, 2009), Annamalai, India
2007: International Advisory Committee and an anchor of discussion panel, International Conference on Cleaner Technologies and Environmental Management, Pondicherry, India

Honours and Awards

- Honorary Professor Award, Xi'an University of Architecture and Technology, China, 2013
- Outstanding Editorship performance Award, Bioresource Technology, Elsevier, 2013
- Outstanding Contribution Award in Southeast Asia, International Training and Research Program for sustainable development on biofuel and environmental technologies, Taipei, Taiwan, 2012 and 2013.
- Outstanding Contribution Award in the 5th Challenges in Environmental Science and Engineering, Melbourne, 2012

- UTS UniQuest Trailblazer Winner and Finalist of National UniQuest Trailblazer, 2011
- UTS - Finalist, Research Excellence through Industry Partnership Award, 2010
- UniQuest Trailblazer Runner Up, Open category, 2009
- IWA East Asia & Pacific Applied Research Honour Award, 2008
- Elsevier's BITE Top Reviewer in 2007
- Certificate of Merit - Best Paper of The Technical Session, the International Cleaner Technologies and Environmental Management, Pondicherry, India, 2007
- UTS, Faculty of Engineering Staff Award for Excellence, 2006
- Top 5 researchers in the 2004-2005 as a leading researcher in UTS Key Research Strength on Water and Waste Management in Local Communities, the Institute of Water and Environmental Resource Management
- AAS-French Embassy Award, Australian Academy of Science and French Embassy fellowship, 2002
- AAS-JSPS Award, Australian Academy of Science and Japan Society for the Promotion of Science Exchange program – Fellowship, 2000
- AAS-KOSEF Award, Australian Academy of Science and Korean Science and Engineering Foundation Exchange Program – Fellow, 1998

Patents

- A method and system for controlling initiation of a backwash cycle of a filtration system, Australian Provisional Patent Number 738260
- A method and system for controlling duration of a backwash cycle of a filtration system. US Patent Application Number 738245
- Gemfloc in water and wastewater treatment (PCT/AU2010/001304, National Phase – US, Japan, China, Europe etc.),
- Combined biosorbent, CBS (Australian Provisional Patent, PAT-02015-AU-01)
- Unsaturated floating medium filtration system for water and wastewater treatment (completion of disclosure)
- Household water saving systems (completion of disclosure)
- Novel FO module and draw solution (completion of disclosure and in a progress of patent)
- Novel osmosis membrane bioreactor (completion of disclosure)

Funded projects for last five years

1. Membrane adsorption bioreactor hybrid system as a pre-treatment to reverse osmosis desalination, National Centre of Excellence in Desalination Fund, 2013-2015.
2. Membrane flocculation hybrid system as pre-treatment to brackish and seawater reverse osmosis desalination system: Emphasis on chemical use reduction and recovery, National Centre of Excellence in Desalination Fund, 2011-2012/2014.
3. A new end use of recycled water for sustainable Australia water, ARC Industry Linkage Grant, 2010 – 2013/2014.
4. UTS Invention Commercialisation Seed Fund on Gemfloc and membrane bioreactor, 2011.
5. The Opening Fund of State Key Laboratory of Hollow Fiber Membrane Materials and Processes, TPU, China, 2011.
6. Approaches towards the novel assessment framework and methodology of greenhouse gas emissions from urban wastewater cycle in Australia and Korea, Australia Korea Foundation Grant, 2010-2011.
7. Integration of Sponge Based Technology and Membrane Bioreactor: A Sustainable Treatment System for Water Recycling), ARC Industry Linkage Grant, 2008-2010.
8. Sustainable approach towards a possible new end use in water recycling schemes for Sydney urban water), UTS Challenge Grant, 2008-2009.
9. Fluidised bed biosorption-flocculation granular activated carbon (FBSF-GAC) for membrane filtration in wastewater reuse, ARC Industry Linkage Grant, 2007-2009.

10. Gradient permeable reactive barrier for groundwater remediation, CRC Care, 2006-2008.
11. A New Photocatalysis Hybrid System in Wastewater Treatment for Reuse, ARC Discovery Grant, 2006-2008.
12. Development of a new, efficient and cost effective advanced membrane bioreactor for municipal wastewater treatment, DEST International Science Linkages Competitive Grant, 2006-2008.

Publications

Ngo has authored more than 260 publications including books, book chapters and patents.

List of Last 5 years' publication (2009 onwards)

For the last 5 years, Ngo produced 8 book chapters, 114 peer-reviewed journal papers and 14 selected refereed conference papers.

Book and Book Chapters

1. **Ngo, H. H.**, Guo, W. S., Chen, Z. (2013). Chapter 21: New submerged membrane bioreactors (SMBRs) for sustainable water, In *Advances in Industrial Biotechnology*, IK International Publishing House Pvt. Ltd., India. (accepted on 6 Jun. 2013, in press)
2. Guo, W. S. and **Ngo, H. H.** (2012). Chapter 6: Membrane Processes for Wastewater Treatment, In *Membrane Technology and Environmental Applications*, Zhang, T. C., Surampalli, R. Y., Vigneswaran, S., Tyagi, R. D., Ong, S. L. and Kao, C. M. (Eds.), American Society of Civil Engineers (ASCE), USA, 169-216.
3. **Ngo, H. H.**, Guo, W. S. and Vigneswaran, S. (2012). Chapter 8: Membrane Processes for Water Reclamation and Reuse, In *Membrane Technology and Environmental Applications*, Zhang, T. C., Surampalli, R. Y., Vigneswaran, S., Tyagi, R. D., Ong, S. L. and Kao, C. M. (Eds.), American Society of Civil Engineers (ASCE), USA, 239-275.
4. Guo, W. S., **Ngo, H. H.** and Vigneswaran, S. (2012). Chapter 19: Fouling Control of Membranes with Pretreatment, In *Membrane Technology and Environmental Applications*, Zhang, T. C., Surampalli, R. Y., Vigneswaran, S., Tyagi, R. D., Ong, S. L. and Kao, C. M. (Eds.), American Society of Civil Engineers (ASCE), USA, 581-602.
5. Guo, W. S., **Ngo, H. H.** and Vigneswaran, S. (2012). Chapter 20: Enhancement of Membrane Processes with Attached Growth Media, In *Membrane Technology and Environmental Applications*, Zhang, T. C., Surampalli, R. Y., Vigneswaran, S., Tyagi, R. D., Ong, S. L. and Kao, C. M. (Eds.), American Society of Civil Engineers (ASCE), USA, 603-634.
6. Listowski, A., **Ngo, H. H.**, Guo, W. S., Vigneswaran, S. and Palmer, C. G. (2010). Assessment methodologies for water reuse scheme and technology, In *Water and Wastewater Treatment Technologies*, Water Sciences, Engineering and Technology Resources, Encyclopaedia of Life Support Systems (EOLSS), Vigneswaran, S. (Ed.). Developed under the Auspices of UNESCO, EOLSS Publishers, Oxford, UK. Vol. 2, 279-320.
7. **Ngo, H. H.**, Guo, W. S. and Xing, W. (2010). Applied technologies in municipal solid waste landfill leachate treatment, In *Water and Wastewater Treatment Technologies*, Encyclopaedia of Life Support Systems (EOLSS), Vigneswaran, S. (Ed.). Developed under the Auspices of UNESCO, EOLSS Publishers, Oxford, UK. Vol. 2, 199-257.
8. Guo, W. S. and **Ngo, H. H.** (2010). Specific options in biological wastewater treatment for reclamation and reuse, In *Water and Wastewater Treatment Technologies*, Encyclopaedia of Life Support Systems (EOLSS), Vigneswaran, S. (Ed.). Developed under the Auspices of UNESCO, EOLSS Publishers, Oxford, UK. Vol. 1, 308-378.

Peer-reviewed Journal Papers

9. Hossain, M. A., **Ngo, H. H.**, Guo, W. S., Zhang, J. and Liang, S. (2014). A laboratory study using maple leaves as a biosorbent for lead removal from aqueous solutions, *Water Quality Research Journal of Canada* (accepted on 22 November 2013 and in press).
10. Pham, T. T. N., Mainali, B., **Ngo, H. H.**, Guo, W. S., Listowski, A., O'Halloran, K., Miechel, C. and Corby N. (2014). Effect of heavy metals in recycled water used for household laundry on

- quality of cloth and washing machine, *Desalination and Water Treatment*, (In press, DOI: 10.1080/19443994.2014.880376).
11. Tran, N. H., Nguyen, V. T., Urase, T. and **Ngo H. H.** (2014). Role of nitrification in the biodegradation of selected artificial sweetening agents in biological wastewater treatment process, *Bioresource Technology*, (DOI: <http://dx.doi.org/10.1016/j.biortech.2014.02.116>, in press).
 12. Deng, L. J., Guo, W. S., **Ngo, H. H.**, Zhang, J., Liang, S., Xia, S. Q., Zhang, Z. Q. and Li, J. X. (2014). A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor, *Bioresource Technology*, (DOI: <http://dx.doi.org/10.1016/j.biortech.2014.02.111>, in press).
 13. Luo, Y. L., Guo, W. S., **Ngo, H. H.**, Nghiem, L. D., Hai, F. I., Kang, J. G., Xia, S. Q., Zhang, Z. Q. and Price, W. E. (2014). Removal and fate of micropollutants in a sponge-based moving bed bioreactor, *Bioresource Technology*, (DOI: <http://dx.doi.org/10.1016/j.biortech.2014.02.107>, in press).
 14. Wijekoon, K. C., Hai, F. I., Kang, J. G., Price, W. E., Guo, W. S., **Ngo, H. H.**, Cath, T. Y. and Nghiem, L. D. (2014). A novel membrane distillation – thermophilic bioreactor (MDBR) system: Biological stability and trace organic compound removal, *Bioresource Technology*, (DOI: <http://dx.doi.org/10.1016/j.biortech.2014.02.088>, in press).
 15. Semblante, G. U., Hai, F. I., **Ngo, H. H.**, Guo, W. S., You, S. J., Price, W. E. and Nghiem, L. D. (2014). Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: performance, mechanisms, and implications, *Bioresource Technology*, (In press, DOI: <http://dx.doi.org/10.1016/j.biortech.2014.01.029>).
 16. Hossain, M. A., **Ngo, H. H.**, Guo, W. S., Nghiem, L. D., Hai, F. I., Vigneswaran, S. and Nguyen, T. V. (2014). Competitive adsorption of metals on cabbage waste from multi-metal solutions, *Bioresource Technology*, (In press, DOI: <http://dx.doi.org/10.1016/j.biortech.2013.12.107>).
 17. Abdolali, A., Guo, W. S., **Ngo, H. H.**, Chen, S. S., Nguyen, N. C. and Tung, K. L. (2014). Typical lignocellulosic wastes and by-products for biosorption process in water and wastewater treatment: A critical review, *Bioresource Technology*, (In press, DOI: <http://dx.doi.org/10.1016/j.biortech.2013.12.037>).
 18. Abdolali, A., **Ngo, H. H.**, Guo, W. S., Lee, D. J., Tung, K. L. and Wang, X. C. (2014). Development and evaluation of a new multi-metal binding biosorbent, *Bioresource Technology*, (In press, DOI: <http://dx.doi.org/10.1016/j.biortech.2013.12.038>).
 19. Liu, H., Liang, S., Gao, J. H., **Ngo, H. H.**, Guo, W. S., Gou, Z. Z., Wang, J. and Li, Y. R. (2014). Enhancement of Cr(VI) removal by modifying activated carbon developed from *Zizania caduciflora* with tartaric acid during phosphoric acid activation, *Chemical Engineering Journal*, (In press, DOI: <http://dx.doi.org/10.1016/j.cej.2014.02.046>).
 20. Liu, H., Liang, S., Gao, J. H., **Ngo, H. H.**, Guo, W. S., Gou, Z. Z. and Li, Y. R. (2014). Development of biochars from pyrolysis of lotus stalks for Ni(II) sorption: using zinc borate as flame retardant, *Journal of Analytical and Applied Pyrolysis*, (In press, DOI: <http://dx.doi.org/doi:10.1016/j.jaap.2014.02.018>).
 21. Guadie, A., Xia, S. Q., Zhang, Z. Q., Zeleke, J., Guo, W. S., **Ngo, H. H.**, and Hermanowicz, S. W. (2014). Effect of intermittent aeration cycle on nutrient removal and microbial community in a fluidized bed reactor-membrane bioreactor combo system, *Bioresource Technology*, 156, 195-205.
 22. Nguyen, D. D., **Ngo, H. H.** and Yoon, Y. S. (2014). A new hybrid treatment system of bioreactors and electrocoagulation for superior removal of organic and nutrient pollutants from municipal wastewater, *Bioresource Technology*, 153, 116-125.
 23. Zhou, L. J., Zhang, Z. Q., Xia, S. Q., Jiang, W., Ye, B., Xu, X. Y., Gu, Z. L., Guo, W. S., **Ngo, H. H.**, Meng, X. Z., Fan, J. H. and Zhao, J. F. (2014). Effects of Suspended Titanium Dioxide Nanoparticles on Cake Layer Formation in Submerged Membrane Bioreactor, *Bioresource Technology*, 152, 101-106.
 24. Hau, N. T., Chen, S. S., Nguyen, N. C., Huang, K. Z., **Ngo, H. H.** and Guo, W. S. (2014). Exploration of EDTA sodium salt as novel draw solution in forward osmosis process for dewatering of high nutrient sludge, *Journal of Membrane Science*, 455, 305-311.

25. Li, X. H., Li, J. X., Wang, J., Wang, H., He, B. Q., Zhang, H. W., Guo, W. S. and **Ngo, H. H.** (2014). Experimental investigation of local flux distribution and fouling behavior in double-end and dead-end submerged hollow fiber membrane modules, *Journal of Membrane Science*, 453, 18-26.
26. Zhou, L. J., Zhang, Z. Q., Jiang, W., Guo, W. S., **Ngo, H. H.**, Meng, X. Z., Fan, J. H., Zhao, J. F. and Xia, S. Q. (2013). Effects of low-concentration Cr(VI) on the performance and the membrane fouling of a submerged membrane bioreactor in municipal wastewater treatment, *Biofouling*, 30, 105-114.
27. Chen, Z., **Ngo, H. H.**, Guo, W. S., Pham, T. T. N., Lim, R., Wang, X. C., Miechel, C., O'Halloran, K., Listowski, A. and Corby, N. (2014). A new optional recycled water pre-treatment system prior to use in the household laundry, *Science of the Total Environment*, 476-477, 513-521.
28. Luo, Y. L., Guo, W. S., **Ngo, H. H.**, Nghiem, L. D., Hai, F. I., Zhang, J., Liang, S. and Wang, X. C. (2014). A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment, *Science of the Total Environment*, 473-474, 619-641.
29. Chen, Z., **Ngo, H. H.**, Guo, W. S., Lim R., Wang, X. C., O'Halloran, K., Listowski, A., Corby, N. and Miechel, C. (2014). A comprehensive framework for the assessment of new end uses in recycled water schemes, *Science of the Total Environment*, 470-471, 44-52.
30. Mainali, B., Phama, T. T. N., **Ngo, H. H.**, Guo, W. S., Listowski, A., O'Halloran, K., Miechel, C., Muthukaruppan, M. and Johnston, R. (2014). Introduction and feasibility assessment of laundry use of recycled water in dual reticulation systems in Australia, *Science of the Total Environment*, 470-471, 34-43.
31. Ma, X. Y., Wang, X. C., **Ngo, H. H.**, Guo, W. S., Wu, M. N. and Wang, N. (2014). Bioassay based luminescent bacteria: interferences, improvements, and applications, *Science of the Total Environment*, 468-469, 1-11.
32. Zuthi, M. F. R., **Ngo, H. H.**, Guo, W. S., Chen, S. S., Nguyen, N. C., Deng, L. J. and Tran, T. D. C. (2014). An assessment of the effects of microbial products on the specific oxygen uptake in submerged membrane bioreactor, *World Academy of Science, Engineering and Technology*, 86, 31-35.
33. Hossain, M. A., **Ngo, H. H.**, Guo, W. S., Nguyen, T. V. and Vigneswaran, S. (2014). Performance of cabbage and cauliflower wastes for heavy metals removal, *Desalination and Water Treatment*, 52, 844-860.
34. Li, J., Li, J. X., Wang, H., Cheng, B., He, B. Q., Yan, F., Yang, Y., Guo, W. S., and **Ngo, H. H.** (2013). Electrocatalytic oxidation of n-propanol to produce propionic acid by an electrocatalytic membrane reactor, *Chemical Communications*, 49, 4501-4503.
35. Nguyen, T. A. H., **Ngo, H. H.**, Guo, W. S., Zhang, J., Liang, S. and Tung, K. L. (2013). Feasibility of iron loaded 'okara' for biosorption of phosphorous in aqueous solutions, *Bioresource Technology*, 150, 42-49.
36. Guadie, A., Xia, S. Q., Zhang, Z. Q., Guo, W. S., **Ngo, H. H.**, and Hermanowicz, S. W. (2013). Simultaneous removal of phosphorus and nitrogen from sewage using a novel combo system of fluidized bed reactor-membrane bioreactor (FBR-MBR), *Bioresource Technology*, 149, 276-285.
37. Nguyen, T. A. H., **Ngo, H. H.**, Guo, W. S., Zhang, J., Liang, S., Yue, Q. Y., Li, Q. and Nguyen, T. V. (2013). Applicability of agricultural waste and by-products for adsorptive removal of heavy metals from wastewater, *Bioresource Technology*, 148, 574-585.
38. Tran, N. H., Urase, T., **Ngo, H. H.**, Hu, J. and Ong, S. L. (2013). Insight into metabolic and cometabolic activities of autotrophic and heterotrophic microorganisms in the biodegradation of emerging trace organic contaminants, *Bioresource Technology*, 146, 721-731.
39. Wijekoon, K. C., Hai, F. I., Kang, J. G., Price, W. E., Guo, W. S., **Ngo, H. H.** and Nghiem, L. D. (2013). The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment, *Bioresource Technology*, 144, 247-254.
40. Fan, J. L., Wang, W. G., Zhang, B., Guo, Y. Y., **Ngo, H. H.**, Guo, W. S., Zhang, J. and Wu, H. M. (2013). Nitrogen removal in intermittently aerated vertical flow constructed wetlands: Impact of influent COD/N ratios, *Bioresource Technology*, 143, 461-466.

41. Zuthi, M. F. R., **Ngo, H. H.**, Guo, W. S., Li, J. X., Xia, S. Q. and Zhang, Z. Q. (2013). New proposed conceptual mathematical models for biomass viability and membrane fouling of membrane bioreactor, *Bioresource Technology*, 142, 737-740.
42. Fan, J. L., Zhang, B., Zhang, J., **Ngo, H. H.**, Guo, W. S., Liu, F. F., Guo, Y. Y. and Wu, H. M. (2013). Intermittent aeration strategy to enhance organics and nitrogen removal in subsurface flow constructed wetlands, *Bioresource Technology*, 141, 117-122.
43. Li, C., Wang, T., Zheng, N., Zhang, J., **Ngo, H. H.**, Guo, W. S. and Liang, S. (2013). Influence of organic shock loads on the production of N₂O in denitrifying phosphorus removal process, *Bioresource Technology*, 141, 160-166.
44. Jia, W. L., Liang, S., **Ngo, H. H.**, Guo, W. S., Zhang, J., Wang, R. and Zou, Y. N. (2013). Effect of phosphorus load on nutrients removal and N₂O emission during low-oxygen simultaneous nitrification and denitrification process, *Bioresource Technology*, 141, 123-130.
45. Nguyen, T. T., **Ngo, H. H.** and Guo, W. S. (2013). Pilot scale study on a new membrane bioreactor hybrid system in municipal wastewater treatment, *Bioresource Technology*, 141, 8-12.
46. Zuthi, M. F. R., Guo, W. S., **Ngo, H. H.**, Nghiem, L. D. and Hai, F. I. (2013). Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes, *Bioresource Technology*, 139, 363-374.
47. Jia, W. L., Liang, S., Zhang, J., **Ngo, H. H.**, Guo, W. S., Yan, Y. J. and Zou, Y. N. (2013). Nitrous oxide emission in low-oxygen simultaneous nitrification and denitrification process: Sources and mechanisms, *Bioresource Technology*, 136, 444-451.
48. Li, Q., Wang, X. C., Zhang, H. H., Shi, H. L., Hu, T. and **Ngo, H. H.** (2013). Characteristics of nitrogen transformation and microbial community in an aerobic composting reactor under two typical temperatures, *Bioresource Technology*, 137, 270-277.
49. Nguyen, L. N., Hai, F. I., Kang, J. G., Nghiem, L. D., Price, W. E., Guo, W. S., **Ngo, H. H.** and Tung, K. L. (2013). Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal, *Bioresource Technology*, 130, 412-417.
50. Li, C., Liang, S., Zhang, J., **Ngo, H. H.**, Guo, W. S., Zheng, N. and Zou, Y. N. (2013). N₂O reduction during municipal wastewater treatment using a two-sludge SBR system acclimatized with propionate, *Chemical Engineering Journal*, 222, 353-360.
51. Chen, Z., **Ngo, H. H.** and Guo, W. S. (2013). Risk control in recycled water schemes, *Critical Reviews in Environmental Science and Technology*, 43, 2439-2510.
52. Chen, Z., **Ngo, H. H.** and Guo, W. S. (2013). A critical review on the end uses of recycled water, *Critical Reviews in Environmental Science and Technology*, 43, 1446-1516.
53. Mainali, B., Phama, T. T. N., **Ngo, H. H.**, Guo, W. S., Miechel, C., O'Halloran, K., Muthukaruppan, M. and Listowski, A. (2013). Vision and perception of community on the use of recycled water for household laundry: A case study in Australia, *Science of the Total Environment*, 463-464, 657-666.
54. Mainali, B., Phama, T. T. N., **Ngo, H. H.** and Guo, W. S. (2013). Maximum allowable values of the heavy metals in recycled water for household laundry, *Science of the Total Environment*, 452-453, 427-432.
55. Chen, Z., **Ngo, H. H.**, Guo, W. S., Wang, X. C., Miechel, C., Corby, N., Listowski, A. and O'Halloran, K. (2013). Analysis of social attitude to the new end use of recycled water for household laundry in Australia by the regression models, *Journal of Environmental Management*, 126, 79-84.
56. Li, C., Zhang, J., Liang, S., **Ngo, H. H.**, Guo, W. S., Zhang, Y. Y. and Zou, Y. N. (2013). Nitrous oxide generation in denitrifying phosphorus removal process: Main causes and control measures, *Environmental Science and Pollution Research*, 20, 5353-5360.
57. Listowski, A., **Ngo, H. H.** and Guo, W. S. (2013). Establishment of an economic evaluation model for urban recycled water, *Resources, Conservation and Recycling*, 72, 67-75.
58. Ma, X. Y., Wang, X. C., **Ngo, H. H.**, Guo, W. S., Wu, M. N. and Wang, N. (2013). Reverse osmosis pretreatment method for toxicity assessment of domestic wastewater using *Vibrio qinghaiensis* sp.-Q67, *Ecotoxicology and Environmental Safety*, 97, 248-254.

59. Kong, Q., Zhang, J., **Ngo, H. H.**, Ni, S. Q., Fu, R. S., Guo, W. S., Guo, N. and Tian, L. (2013). Nitrous oxide emission in an aerobic granulation sequencing batch airlift reactor at ambient temperatures, *International Biodeterioration and Biodegradation*, 85, 533-538.
60. Zuthi, M. F. R., **Ngo, H. H.**, Guo, W. S., Zhang, J. and Liang, S. (2013). A review towards finding a simplified approach for modelling the kinetics of the soluble microbial products (SMP) in an integrated mathematical model of membrane bioreactor (MBR), *International Biodeterioration and Biodegradation*, 85, 466-473.
61. Nguyen, T. T., **Ngo, H. H.** and Guo, W. S. (2013). Effect of sponge volume fraction on the performance of a novel fluidized bed bioreactor, *Water Science and Technology*, 67(11), 2645-2650.
62. Chen, Z., **Ngo, H. H.**, Guo, W. S. and Wang, X. C. (2013). Analysis of Sydney's recycled water schemes, *Frontiers of Environmental Science and Engineering*, 7(4), 608-615.
63. Zuthi, M. F. R., **Ngo, H. H.**, Guo, W. S. and Nguyen, T. T. (2013). The effects of biomass parameters on the dissolved organic carbon removal in a sponge submerged membrane bioreactor, *World Academy of Science, Engineering and Technology*, 78, 46-50.
64. Hossain, M. A., Ngo, H. H. and **Guo, W. S.** (2013). Introductory of Microsoft Excel SOLVER function-spreadsheet method for isotherm and kinetics modelling of metals biosorption in water and wastewater, *Journal of Water Sustainability*, 3(4), 223-237.
65. Guo, W. S., **Ngo, H. H.** and Li, J. X. (2012). A mini-review on membrane fouling, *Bioresource Technology*, 122, 27-34.
66. Zuthi, M. F. R., **Ngo, H. H.** and Guo, W. S. (2012). Modelling bioprocesses and membrane fouling in membrane bioreactor (MBR): A Review towards Finding an Integrated Model Framework, *Bioresource Technology*, 122, 119-129.
67. Hossain, M. A., **Ngo, H. H.**, Guo, W. S. and Setiadi, T. (2012). Adsorption and desorption of copper (II) ions onto garden grass, *Bioresource Technology*, 121, 386-395.
68. Liu, C., **Ngo, H. H.**, Guo, W. S. and Tung, K. L. (2012). Optimal conditions for preparation of banana peels, sugarcane bagasse and watermelon rind in removing copper from water, *Bioresource Technology*, 119, 349-354.
69. Xing, W., **Ngo, H. H.**, Guo, W. S., Listowski, A. and Cullum, P. (2012). Optimization of an integrated sponge – granular activated carbon fluidized bed bioreactor as pretreatment to microfiltration in wastewater reuse, *Bioresource Technology*, 113, 214-218.
70. Nguyen, T. T., **Ngo, H. H.**, Guo, W. S., Listowski, A., Li, J. X. (2012). Evaluation of sponge tray-membrane bioreactor (ST-MBR) for primary treated sewage effluent treatment, *Bioresource Technology*, 113, 143-147.
71. Hossain, M. A., **Ngo, H. H.**, Guo, W. S. and Nguyen, T. V. (2012). Palm oil fruit shells as biosorbent for copper removal from water and wastewater: Experiments and sorption models, *Bioresource Technology*, 113, 97-101.
72. Chen, Z., **Ngo, H. H.**, Guo, W. S., Listowski, A., O'Halloran, K. J., Thompson, M. and Muthukaruppan, M. (2012). Multi-criteria analysis towards the new end use of recycled water for household laundry: A case study in Sydney, *Science of the Total Environment*, 438, 59-65.
73. Chen, Z., **Ngo, H. H.** and Guo, W. S. (2012). A critical review on sustainability assessment of recycled water schemes, *Science of the Total Environment*, 426, 13-31.
74. Luo, L., Wang, X. C., Guo, W. S., **Ngo, H. H.** and Chen, Z. (2012). Impact assessment of excess discharges of organics and nutrients into aquatic systems by thermodynamic entropy calculation, *Journal of Environmental Management*, 112, 45-52.
75. Liu, C., **Ngo, H. H.** and Guo, W. S. (2012). Watermelon rind: agro-waste or superior biosorbent? *Applied Biochemistry and Biotechnology*, 167, 1699-1715.
76. Nguyen, T. T., **Ngo, H. H.**, Guo, W. S., Li, J. X., Listowski, A. (2012). Effects of sludge concentrations and different sponge configurations on the performance of a sponge submerged membrane bioreactor, *Applied Biochemistry and Biotechnology*, 167, 1678-1687.
77. Shim, W., G., Abdul, J. M., Mohammad, T., Vigneswaran, V., **Ngo, H. H.**, Kandasamy, J. (2012). Biofilter in leachate treatment processes, *Desalination and Water Treatment*, 41, 249-257.

78. Hossain, M. A., Ngo, H. H., Guo, W. S. and Nguyen, T. V. (2012). Removal of copper from water by adsorption onto banana peel as bioadsorbent, *International Journal of GEOMATE*, 2(2), 227-234.
79. Ma, X. Y., Wang, X. C., **Ngo, H. H.** and Guo, W. S. (2012). Application of vibrio qinghaiensis sp. Q67 for ecotoxic assessment of environmental waters – A mini review, *Journal of Water Sustainability*, 2(4), 209-220.
80. Nguyen, H. T. A., **Ngo, H. H.**, Guo, W. S. and Nguyen, V. T. (2012). Phosphorous removal from aqueous solutions by agricultural by-products: A critical review, *Journal of Water Sustainability*, 2(3), 193-207.
81. Listowski, A., **Ngo, H. H.** and Guo, W. S. (2012). Development of a new framework and methodology for social assessment of recycled water schemes, *Journal of Water Sustainability*, 2(2), 149-157.
82. Hossain, M. A., **Ngo, H. H.**, Guo, W. S. and Nguyen, T. V. (2012). Biosorption of Cu(II) from water by banana peel based biosorbent: Experiments and models of adsorption and desorption, *Journal of Water Sustainability*, 2(1), 87-104.
83. Yang, Y., Li, J. X., Wang, H., Song, X., Wang, T., He, B., Liang, X. and **Ngo, H. H.** (2011), An electrocatalytic membrane reactor with self-cleaning function for industrial wastewater treatment, *Angewandte Chemie (International Edition)*, 50(9), 2148-2150.
84. Mullai, P, Arulselvi, S., **Ngo, H. H.** and Sabarathinam, P. L. (2011), Experiments and ANFIS modelling for the biodegradation of penicillin-G wastewater using anaerobic hybrid reactor, *Bioresource Technology*, 102, 5492-5497.
85. Chiemchaisri, W., Chiemchaisri, C., Dumrongsukit, C., Threedeach, S., **Ngo, H. H.** and Vigneswaran, S. (2011), Removal of water-borne microorganisms in floating media filter-microfiltration system for water treatment, *Bioresource Technology*, 102, 5438-5443.
86. Xing, W., **Ngo, H. H.**, Guo, W. S., Listowski, A. Cullum, P. (2011), Evaluation of an integrated sponge – granular activated carbon fluidized bed bioreactor for treating primary treated sewage effluent, *Bioresource Technology*, 102(9), 5448-5453.
87. Nguyen, T. T., **Ngo, H. H.**, Guo, W. S., Phuntsho, S. and Li, J. X. (2011), A new sponge tray bioreactor in primary treated sewage effluent treatment, *Bioresource Technology*, 102(9), 5444-5447.
88. Nguyen, T. V., Zhang, R., Vigneswaran, S., **Ngo, H. H.**, Kandasamy, J., Mathes, P.(2011), Removal of organic matter from effluents by Magnetic Ion Exchange (MIEX®), *Desalination*, 276(1-3), 96-102.
89. Mainali, B., **Ngo, H. H.**, Guo, W. S., Pham, T. T. N. , Johnston, A. (2011), Feasibility assessment of recycled water use for washing machines in Australia through SWOT analysis, *Resources, Conservation and Recycling*, 56(1), 87-91.
90. Pham, T. N., **Ngo, H. H.**, Guo, W. S., Ho, D. P., Mainali, B., Johnston, A., Listowski, A. (2011), Responses of community to the possible use of recycled water for washing machines: A case study in Sydney, Australia, *Resources, Conservation & Recycling*, 55(5), 535-540.
91. Listowski, A., **Ngo, H. H.**, Guo, W. S. and Vigneswaran, S. (2011), A Novel Integrated Assessment Methodology of Urban Water Reuse, *Water Science and Technology*, 64(8), 1642-1651.
92. Wang, X. C. Luo, L., Chen, R. and **Ngo, H. H.**, (2011), Thermodynamic analysis of an urban water system with reclaimed water as supplemental water resource, *Desalination and Water Treatment*, 32, 307-315.
93. Mainali, B., **Ngo, H. H.**, Guo, W. S., Pham, T. T. N., Wang, X. C. and Johnston, A. (2011), SWOT analysis to assist identification of the critical factors for the successful implementation of water reuse schemes, *Desalination and Water Treatment*, 32, 297-306.
94. Guo, W. S., **Ngo, H. H.**, Wu, Z. Q., Hu, Y. J. and Listowski, A.(2011), Application of biofloculant and nonwoven supporting media for better biological nutrient removal and fouling control in a submerged MBR, *Sustainable Environment Research (Formerly J. Environmental Engineering and Management)*, 21(1), 53-58.
95. Ho, D., Vigneswaran, S., Ngo, H. H., Shon, H. K., Kandasamy, J. K., Chang, C. Y. and Chang, J. S. (2011), Photocatalysis of trimethoprim (TRI) in water, *Sustainable Environment Research (Formerly J. Environmental Engineering and Management)*, 21(3), 149-154.

96. Chen, Z., **Ngo, H. H.**, Guo, W. S., Wang, X. C. and Luo, L. (2011). Probabilistic assessment of recycled water schemes in Australia using MATLAB toolbox, *Journal of Water Sustainability*, 1(3), 333–344.
97. Luo, L., Wang, X.C., Guo, W. S. and **Ngo, H. H.** (2011). Novel conceptual models for thermodynamic analysis of urban water systems, *Journal of Water Sustainability*, 1(2), 165-175.
98. Listowski, A, **Ngo, H. H.**, Guo, W. S., Vigneswaran, S., Shin, H. S. and Moon, H. (2011). Greenhouse Gas (GHG) Emissions from Urban Wastewater System: Future Assessment Framework and Methodology, *Journal of Water Sustainability*, 1(1), 113-126.
99. Guo, W. S., **Ngo, H. H.**, Dharmawan, F. and Palmer, C. G. (2010). Roles of polyurethane foam in aerobic moving and fixed bed bioreactors, *Bioresource Technology*, 101, 1435-1439.
100. Nguyen, T. T, **Ngo, H. H.**, Guo, W. S., Johnston, A. and Listowski, A. (2010). Effects of sponge size and type on the performance of an up-flow sponge bioreactor in primary treated sewage effluent treatment, *Bioresource Technology*, 101, 1416-1420.
101. Nguyen, T. V., Vigneswaran, S., **Ngo, H. H.**, and Kandasamy, J. (2010). Arsenic removal by iron oxide coated sponge: experimental performance and mathematical models, *Journal of Hazardous Materials*, 182(1-3), 723-729.
102. Senthilnathan, M., Ho, D. P., Vigneswaran, S., **Ngo, H. H.**, Shon, H. K. (2010). Visible light responsive ruthenium-doped titanium dioxide for the removal of metsulfuron-methyl herbicide in aqueous phase, *Separation and Purification Technology*, 75, 415-419.
103. Nguyen, T. T, Guo, W. S., **Ngo, H. H.** and Vigneswaran, S. (2010). A new combined inorganic-organic flocculant (CIOF) as a performance enhancer for aerated submerged membrane bioreactor, *Separation and Purification Technology*, 75(2), 204-209.
104. Xing, W., **Ngo, H. H.**, Guo, W. S., Wu, Z. Q., Nguyen, T. T., Cullum, P., Listowski, A. and Yang N. (2010). Enhancement of the performance of anaerobic fluidized bed bioreactors (AFBBRs) by a new starch based flocculant, *Separation and Purification Technology*, 72(2), 140-146.
105. Guo, W. S., **Ngo, H. H.**, Vigneswaran, S., Dharmawan, F., Nguyen T. T. and Aryal, R. (2010), Effect of different flocculants on short-term performance of submerged membrane bioreactor, *Separation and Purification Technology*, 70(3), 274-279.
106. Kim, S. H., Shon, H. K. and **Ngo, H. H.** (2010), Adsorption characteristics of antibiotics trimethoprim on powdered and granular activated carbon, *Journal of Industrial and Engineering Chemistry*, 16, 344-349.
107. Guo, W. S., Zhang, R., Vigneswaran, S., **Ngo, H. H.**, Kandasamy, J. (2010). Membranes coupled with physico chemical treatment in water reuse. *Water Science and Technology*, 61(2), 513-519.
108. Park, K. H., Shim, W. G., Shon, H. K., Lee, S. G., **Ngo, H. H.**, Vigneswaran, S. and Moon, H. (2010). Adsorption characteristics of acetaldehyde on activated carbons prepared from corn-based biomass precursor, *Separation Science and Technology*, 45(8), 1084-1091.
109. Xing, W., Guo, W. S., **Ngo, H. H.**, Cullum, P. and Listowski, A. (2010). Integration of inorganic micronutrients and natural starch based cationic flocculant in primary treated sewage effluent (PTSE) treatment, *Separation Science and Technology*, 45(5), 619-625.
110. Ho, D. P., Vigneswaran, S., **Ngo, H. H.** (2010). Integration of photocatalysis and microfiltration in removing effluent organic matter from treated sewage effluent, *Separation Science Technology*, 45(2), 155-162.
111. Ho, D. P., Senthilnathan, M., Mohammad J. A., Vigneswaran, S., **Ngo, H. H.**, Mahinthakumar, G. and Kandasamy, J. (2010). The application of photocatalytic oxidation in removing pentachlorophenol from contaminated water, *Journal of Advanced Oxidation Technologies*, 13(1), 21-26.
112. Chinu, K., Vigneswaran, S., Erdei, L., Shon, H. K., Kandasamy, J. and **Ngo, H. H.** (2010). Comparison of fouling indices in assessing pre-treatment for seawater reverse osmosis, *Desalination and Water Treatment*, 18(1-3), 187-191.
113. **Ngo, H. H.** and Guo, W. S. (2009). Membrane fouling control and enhanced phosphorus removal in an aerated submerged membrane bioreactor using modified green bioflocculant, *Bioresource Technology*, 100, 4289-4291.

114. Ho, D. P, Vigneswaran, S. and **Ngo, H. H.** (2009). Photocatalysis-membrane hybrid system for organic removal from biologically treated sewage effluent, *Separation and Purification Technology*, 68(2), 145-152.
115. Guo, W. S., **Ngo, H. H.**, Palmer, C. G., Xing, W., Hu, J. Y. and Listowski, A. (2009). Roles of sponge sizes and membrane types in a single stage sponge-submerged membrane bioreactor for improving nutrient removal from wastewater for reuse, *Desalination*, 249, 672-676.
116. Nguyen, T. V., Vigneswaran, S., **Ngo, H. H.**, Shon, H. K. and Kandasamy, J. (2009). Arsenic removal by a membrane hybrid filtration system, *Desalination*, 236(1-3), 363-369.
117. Nguyen, T. V., Nguyen, T. V. T. Pham, T. L., Vigneswaran, S., **Ngo, H. H.**, Kandasamy, J., Nguyen, H. K. and Nguyen, D. T. (2009). Adsorption and removal of arsenic from water by iron ore mining waste, *Water Science and Technology*, 60(9), 2301-2308.
118. Nguyen, T. V., Rahman, A., Vigneswaran, S., **Ngo, H. H.**, Kandasamy, J., Nguyen, T. D., Do, T. A. and Nguyen, T. K. (2009). Arsenic removal by iron oxide coated sponge: treatment and waste management, *Water Science and Technology: Water Supply*, 60(6), 1489-1495.
119. Chiemchaisri, C., Passananon, S., **Ngo, H. H.** and Vigneswaran, S. (2009). Simultaneous removal of particles and dissolved organic matter in floating media filter for surface water treatment, *Desalination and Water Treatment*, 11(1-3), 109-114.
120. **Ngo, H. H.**, Chuang, H., Guo, W. S., Ho, P. D., Pham, N., Johnston, A, R. Lim and Listowski, A. (2009). Resident's strategy survey on a new end use of recycled water, *Desalination and Water Treatment*, 11, 93-97.
121. Listowski, A., **Ngo, H. H.**, Guo, W. S., Vigneswaran, S. and Palmer, C. G. (2009). Concepts towards a novel integrated assessment methodology of urban water reuse, *Desalination and Water Treatment*, 11, 81-92.
122. Guo, W. S., Xing, W., **Ngo, H. H.**, Hu, A. Y. J. and Zhang, R. (2009). Enhancement of organics removal by an integrated nonwoven media biofilter-submerged membrane adsorption hybrid system, *Journal of Applied Membrane Science & Technology*, 9, 1-8.

Selected Refereed Conference Papers

123. Chen, C., Guo, W. S. and **Ngo, H. H.** (2013). Are anaerobic membrane bioreactors (AnMBRs) a sustainable bioprocess for wastewater treatment? International Conference on Health, Environment & Industrial Biotechnology (Bio-Sangam), 21–23 November, 'Kumbh Nagari' Allahabad, India. **(Keynote Speech)**
124. Chen, Z., **Ngo, H. H.** and Guo, W. S. (2013). Conceptual principle for development of new end uses in recycled water schemes, The 4th International Symposium "Re-Water", 6–7 November, Braunschweig, Germany. **(Invited Speech)**
125. Chen, Z., **Ngo, H. H.**, Guo, W. S. (2012). Multi-criteria analysis of Sydney's recycled water schemes towards the new end use for washing machines, IWA World Water Congress and Exhibition, 16–21 September, Busan, South Korea. **(The best poster presentation award)**
126. Nguyen, T. T., **Ngo, H. H.**, Guo, W. S. (2012). Effect of sponge volume fraction on the performance of a novel fluidized bed bioreactor, IWA World Water Congress and Exhibition, 16–21 September, Busan, South Korea. (selected as a Platform Presentation)
127. Mainali, B., **Ngo, H. H.**, Guo, W. S., Phama, T. T. N. (2012). Maximum allowable values of copper and manganese in recycled water for washing machines, IWA World Water Congress and Exhibition, 16–21 September, Busan, South Korea. (selected as a Platform Presentation)
128. Chen, Z., **Ngo, H. H.**, Guo, W. S., Wang, X. C. and Luo, L. (2011), Analysis of Sydney's recycled water schemes, International Conference on Environmental Science and Engineering, 25-30 September, Tainan City, Taiwan. **(Best oral presentation award)**
129. Chen, Z., **Ngo, H. H.**, Guo, W. S., Wang, X. C. and Luo, L. (2011), Probabilistic assessment of recycled water schemes in Australia using MATLAB toolbox, IWA Cities of the Future, 15-19 September, Xi'an, China.
130. Listowski, A., **Ngo, H. H.** and Guo, W. S. (2011), Development of a new framework and methodology for social assessment of recycled water schemes, IWA Cities of the Future, 15-19 September, Xi'an, China. **(Best poster paper award)**

131. Listowski, A., **Ngo, H. H.**, Guo, W. S. and Vigneswaran, S. (2010). Benchmark study on a novel integrated assessment methodology of urban water reuse, IWA World Water Congress and Exhibition 19–24 September, Montréal, Canada.
132. Nguyen, T. T., **Ngo, H. H.**, Guo, W. S., Wu, Z. Q., Cullum, P. and Listowski, A. (2010). Evaluation of an aerobic-anaerobic fluidized bed bioreactor as a pre-treatment to microfiltration in treating primary treated sewage effluent for reuse, IWA World Water Congress and Exhibition 19–24 September, Montréal, Canada.
133. Guo, W. S., **Ngo, H. H.**, Wu, Z. Q., Hu, Y. J. and Listowski, A. (2009). Application of bioflocculant and nonwoven supporting media for better biological nutrient removal and fouling control in a submerged MBR, The 3rd IWA-ASPIRE Conference & Exhibition (IWA-ASPIRE 2009), October, Taipei, Taiwan.
134. Nguyen, T. V., Tran, T. T. Pham, T. L., Vigneswaran, S., **Ngo, H. H.**, Nguyen, H. K. and Nguyen, D. T. (2009). Novel ferrous-ferric oxide material from waste of iron ore mining for arsenic removal, The 3rd IWA-ASPIRE Conference & Exhibition (IWA-ASPIRE 2009), October, Taipei, Taiwan, October 2009.
135. **Ngo, H. H.**, Guo, W. S., Nguyen, T. T. and Hu, A. Y. J. (2009). State-of-the-art of specific submerged membrane bioreactors (SMBRs) in wastewater treatment for reuse, International Conference on Challenges in Biotechnology and Food Technology (ICBF-2009), 8-10 October, Annamalai Nagar, Tamil Nadu, India. **(Keynote Speech)**
136. Guo, W. S., Zhang, R., Vigneswaran, S., **Ngo H. H.** and Kandasamy, J. (2009), Membranes coupled with physico chemical treatment in water reuse, Singapore International Water Week, SIWW-2009, 22-26 June, Singapore.