

## Curriculum Vitae of Dr. Wang Jing-Yuan



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### Qualifications:

Ph.D. (Environmental), 1994, North Carolina State University, Raleigh, NC, USA  
M. Eng. (Civil), 1987, North Carolina State University, Raleigh, NC, USA  
B.S. (Environmental), 1982, National Chung-Hsing University, Taiwan  
Professional Engineer (Georgia 23397), USA

### Professional Experiences:

Director, Residues and Resource Reclamation Centre, NTU, Singapore [05/2009 – present]  
Director, Environmental Engineering Research Centre, NTU, Singapore [07/2005 – 12/2010]  
Associate Professor, NTU, Singapore [1/2003 – present]  
Assistant Professor, NTU, Singapore [10/1998 – 12/2002]  
Research Fellow, ETI, Singapore [1/1997 – 10/1998]  
Environmental Engineer, ICS, Oak Ridge, Tennessee, USA [1/1992 – 12/1996]

**Specialized Areas:** Solid waste resource management, contaminated site assessment and remediation, environmental impact assessment and integrated environmental management

### Current Research:

Waste to materials (sludge to fertilizer, use of incineration ash in making construction materials)  
Waste to bio-energy (methane, hydrogen, ethanol, and diesel)  
Conversion of municipal plastic waste into biodegradable PHA material  
Decentralized waste resource recovery system development  
Land reclamation of closed dumping grounds  
Waste management related research projects = TEC, ETRP, CRP, etc. (S\$14M)

### Relevant Professional Service:

Visiting Professor for UNEP-Tongji Institute of Environment for Sustainable Development [2006 – 2008]  
Technical committee for 2008 ISWA World Congress [2007 – 2008]  
Technical committee for Singapore Standards for environmental baseline study [2007 - present]  
Technical advisory committee, Singapore Environment Institute [2007 – present]  
Task force group, Singapore environmental training programme [2005 – present]  
Board Director (2002 and 2003), Overseas Chinese Environmental Engineer and Scientist Association (OCEESA), USA

**Industrial Service:** Completed numerous industrial/consultancy projects (1992 – present) for US EPA, DOE, Army corps of engineers, Taiwan EPA, Singapore NEA, PUB, JTC, UNEP, UNDP, UNESCAP, and many private companies

**Publications:** 160 referred journal and conference papers + 40 technical reports [2001 – present]