Professor **Yaoliang Shen Ph.D.** (post doctor)

Email: ylshen@mail.usts.edu.cn

Supervisor of graduated student (doctor degree);

BSc. degree from Chongqing Architecture Engineering Institute in July, 1983;

MSc. degree from Qinghua University in July, 1986;

Ph.D. degree from Haerbin Architecture University in Oct. 1998；

Finished Post doctor research in Hehai University in Sep. 2001.

Visiting scholar in Australia, USA, and New Zealand.

Yaoliang Shen has engaged in teaching, research and technology development in the fields of water and wastewater treatment for long period. His study on new anaerobic biological wastewater treatment process--ABR reactor is leading domestic position. He has published in China and overseas more than 180 papers, some of which are included in SCI、EI, 6 academic books and teaching books. He has been editorial board member of《Environmental Technology》,《Pollution Prevention Technology》,《Jiangsu Environmental Technology》, etc. He has been review expert of periodicals《Water Environment and Technology》,《Environmental Technology》,《Environmental Technology Education》,《Safety and Environmental Education》,《Pollution Prevention Technology》,《Jiangsu Environmental Technology》, etc.

He has taken charge of and completed a number of national and provincial-level education reformation research project, more than 20 important specific science and technology projects such as national “863 plan”, “10th five” and “11th five” , state natural science fund, provincial and ministry technology plan and scientific fund. Yaoliang Shen’s teaching and research are fruitful and has been awarded a lot of honors and obtained invention patents from state, ministry and province level.

Yaoliang Shen is the vice president of Suzhou University of Science and Technology; adjunct professor of Jiangsu Industrial Institute and Jiangsu University of Science and Technology； Ph.D. supervisor of Jiangnan University; was awarded first young academic leaders in “333 project” and “blue project”; expert member of the provincial science and technology consultant; evaluation committee member of Suzhou municipal scientific and technological achievements, water quality protection expert of Taihu Lake Basin and Yangcheng Lake of Suzhou Municipal Government; science and technology expert of Suzhou Municipal Science and Technology Bureau; was awarded “labor model”, “excellent youth teacher” and “excellent teacher” by Ministry, provincial and municipal government. Voted as Well-known Teacher of Jiangsu Province since 2007.

Professor **Yong Huang Ph.D.**

Email: yhuang@mail.usts.edu.cn

Graduated from Haerbin Architecture University
in 1993, advance study in Holland, visit scholar in USA

Yong Huang is an academic leader in Environmental Engineering of Suzhou University of Science and Technology, Jiangsu Provincial key discipline, has engaged in teaching, research and technology development in the fields of water pollution control for years. He has taken charge of and completed a number of national and provincial-level education reformation research project, more than 20 important specific science and technology projects such as national “863 plan” and “11th five”, state natural science fund, provincial and ministry technology plan and Scientific fund. He has published in China and overseas more than 160 papers, some of which are included in SCI、EI. Obtained 5 national invention patents. Yong Huang’s teaching and research are fruitful and has been awarded a lot of honors from state, ministry and province level.

Yong Huang is the party committee leader of Suzhou University of Science and Technology; expert owns State Council special allowance; "outstanding contribution expert “of ministry and province; was awarded young academic leaders in 333 project and blue project; was awarded technology advanced individual in the “tenth five” national construction; Steering Committee member of Water Supply and Drainage Engineering of National Colleges and Universities; professional assessment committee member of Water Supply and Drainage Engineering of Ministry Higher Education; expert of civil disciplinary experts group in training program of national "Excellence Engineer" ; 12th and 13th review expert members of National Natural Science Fund Committee; international water association (IWA) member; editorial board member of periodicals such as 《China Water & Wastewater》,《Environmental Technology》, etc.

Professor **Yong Li**

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BSc. degree from Suzhou Institute of Urban Construction and Environmental Protection, 1991; employed by the university as teacher meanwhile; MSc. degree from Haerbin Industrial University, 2001; appointed as master supervisor in 2004.

Vice chairman of Suzhou Environmental Sciences Society, vice president of Suzhou Environmental Protection Industry Association, the young academic leaders in blue project, dean of School of Environmental Science and Engineering in Suzhou University of Science and Technology.

He has taken charge of and completed a number of national and provincial-level education reformation research project, more than 20 important specific science and technology projects such as national “863 plan” and “11th five”, state natural science fund, provincial and ministry technology plan and scientific fund. He has published in China and overseas more than 50 papers, obtained 3 national invention patents. He has been awarded a lot of honors from state, ministry and province level. Taken charge of social service project in technical scheme compiling such as EIA, wastewater treatment project design, environmental planning, environmental emergency response, soil pollution investigation and remediation. Dedicates a lot for local economic development and environmental protection.

Professor **Dapeng Li, Ph.D.** Professor. Associate dean.

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Li is focusing on the research about surface water restoration，water ecosystem rebuilding, domestic waste water and rural waste water collection and treatment. He proposed the mechanism of sedimentary phosphorus transformation and found the active area to promote sedimentary phosphorus transformation in the sediment. He developed composite material based on calcium peroxide to improve sedimentary phosphorus transformation and inhibit sedimentary phosphorus release. Till now, as host, he has finished four projects of National Natural Science Foundation of China and six provincial projects. As key participant, he has finished two key projects of National Natural Science Foundation of China and two key projects of National water pollution control and management technology major projects (The 11th five-year plan and The 13th five-year plan). He has published articles over 120 including science index, engineering index and Chinese key. He has been granted 12 patents for an invention. He has gotten five technology awards.

He is the director of Blue Engineering outstanding teaching team of Jiangsu province. He is Principal investigator of 333 high level of Jiangsu province, Principal investigator of Blue Projects of Jiangsu province, Principal investigator of Six talent peaks of Jiangsu province. He is Suzhou's top educators and Suzhou's 'May 1' Labour Award.

He is the director of Environmental Engineering (compulsory course) and Environmental Remediation Technology for Surface Water (Optional course) for international master students. He is the director of provincial-level quality course of Environmental Engineering. He has published two key textbooks of Jiangsu province as chief editor.

He is the member of Higher Education Water Supply and Drainage Science and Engineering Evaluation Committee. He is the member of Engineering Education of China Water Association. He is the member of professional steering committee on sedimentary environment, water treatment and reuse. He is editorial board of China Water & Wastewater.

Professor **Tianyin Huang, Ph.D.**

Tel: (+86) 512 6878 6895; Email:huangtianyin111@sohu.com

Dr. Huang is a Professor in the School of Environmental Science and Engineering at Suzhou University of Science and Technology (USTS), and has been conducting research and teaching at USTS since 2002. Since 2010, Dr. Huang has organized and led Water Environment Safety Institute, which contains 8 faculties and more than 30 graduates. Now he is also the deputy director of School of Environmental Science and Engineering at USTS.

Dr. Huang received his Ph.D. degree in Environmental Engineering from Tongji University, and the M.S. and B.S. degrees in Municipal Engineering from Chongqing University. He was a postdoctoral researcher at Southeast University from 2005-2007. Recently, Dr. Huang has been invited by Dr. Crittenden (Member of NAE both in US and China) to be a visiting scholar in the School of Civil and Environmental Engineering at Georgia Institute of Technology.

Dr. Huang's research interests are in the area of wastewater treatment and recycling, water restoration & ecological control, rain flood management & drainage system. Recently, he's interested in elucidating the role of modified carbonaceous materials in enhancing anaerobic biological degradation of dye wastewater, and the fatty acid production and reusability from municipal sludge anaerobic fermentation. Dr. Huang's works were funded by Natural Science Foundation of China (NSFC), Chinese Ministry of Science and Technology, and the local governments, with the total grants more than 10 million RMB. Thus far, he has published more than 40 peer-reviewed journal papers, 2 books, and several patents on the above topics.

Dr. Huang always dedicated to the practical application in the engineering. He has more than fifteen years of plan & design experience on wastewater treatment plants and sewer networks. He has obtained qualifications for Registered Utility Engineering since 2009. Thus far, Dr. Huang has designed 12 municipal or industrial wastewater treatment plants, and 35 sewer networks as well. He has also conducted dozens of restoration engineering for the contaminated rivers in Suzhou, and established one of the largest pilot plants for the acid production from the sludge anaerobic fermentation in China. Owing to his outstanding contribution to the above fields, Dr. Huang has received a lot of awards and recognition from governments and also the professional organizations. For example, he was awarded the advanced individual in rural sewage treatment of Suzhou water affairs bureau, and won the third prize of science and technology progress award of Jiangsu province, and so on.

Professor G. Daniel Sheng
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Academic Training

Ph.D.: Michigan State University, Environmental Soil Chemistry, 1992-1996.
PhD program: University of Wisconsin-Madison, Water Chemistry, 1991-1992.
M.S.: Nanjing University, Environmental Chemistry, 1982-1985.
B.S.: Nanjing University, Physical Chemistry,1978-1982.

Professional Positions

2016- Professor, School of Environmental Science and Engineering, Suzhou University of Science and Technology
2011-2016 Professor, College of Environmental Science and Technology, Tongji University
2007-2011 Professor, College of Biological and Environmental Engineering, Zhejiang University of Technology.
2000-2006 Assistant Professor, Department of Crop, Soil, and Environmental Sciences, University of Arkansas.
1996-2000 Research Associate, Department of Crop and Soil Sciences, Michigan State University.
1985-1990 Lecturer, Department of Environmental Science, Nanjing University.

Honors and Awards

- Recipient of the China National Natural Science Funds for Distinguished Young Scholars, 2006
- Distinguished Professor, Zhejiang Province, 2006
- "West Lake Friendship" Award, Zhejiang Province Government, 2010
- Distinguished Professor, Tongji University, 2011
- Distinguished Professor, Suzhou University of Science and Technology, 2016
- Group Leadership of "Double Initiatives", Jiangsu Province, 2018.
- On the list of "Highly Cited Chinese Scientists" by Elsevier, 2014-2018.

Specialization and Professional Interests

- Environmental processes of contaminants in surface and subsurface soils and waters.
- Remediation and restoration of contaminated soils and groundwaters.

Projects and Publications

- Several Projects with a total of research funds of over 10 million RMB.
- Publication of over 100 journal articles with an H citation index of 46.

Professor. Xuedong Wang

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Education:

2000-2003: Ph.D. in Pesticides and Environmental Toxicology Institute, Zhejiang University, Hangzhou, China. Advisor: Prof. Defang Fan

Teaching and research experience:

2017/07-Present: Professor, working in School of Environmental Science and Engineering, Suzhou University of Science and Engineering, Suzhou 215009, China.

2008/1-2017/06: Professor, working in School of Environmental Sciences and Public Health, Wenzhou Medical University, Wenzhou 325035, China.

2003/9-2007/12: Associate Professor, working in College of Chemistry, Central China Normal University, Wuhan 430079, China.

Research interests and achievements:

The main research field is **Development of Green Environ-protection Analytical technique, Water Pollution Ecological Control and Environmental Safety Assessment**. The member of editorial board for the Chinese issue, *Journal of Agricultural Environmental Science* and the referee of the following international issues: Journal of Chromatography A, Analytica Chimica Acta, Journal of Separation Science, Chemosphere, Ecotoxicology and Environmental Safety, International Journal of Environmental Analytical Chemistry.

(1) Effects of ionic liquids on the fluorescence of bisphenols (No, 21077079; National Natural Foundation of China);

(2) Development of naphthathoic acid ionic liquid and its fluorescence-enhancing effects on antibiotics (No, 21377100; National Natural Foundation of China);

(3) Non-organic solvent microextraction based on bisfunctional ionic liquid and its application in trace analysis (No, 21577107; National Natural Foundation of China);

(4) Mechanisms on the fluorescence-enhancing effects of naphthathoic ionic liquid on Eu^{3+} and diketone antibiotics in aqueous solution (No, LY13B070011; Zhejiang Provincial Natural Science Foundation).

Professor **Yang Pan**

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Master of Engineer, major of Environmental Engineering in Haerbin Industrial University, July, 2001

Has been engaging in nitrogen and phosphorous removal in waste water and surface water quality remediation for long time. Has taken charge of state natural science fund projects, provincial natural science fund projects, science and technology plan projects of Ministry of Construction, provincial social development projects(specific project of Taihu), more than 10 important specific science and technology projects such as national “863 plan” and “11th five”. Has published more than 60 papers, Obtained 2 national invention patents. Awarded China Science and Technology Construction, Jiangsu Province Science and Technology Progress ， Jiangsu Provincial Environmental Protection Science and Technology Award.

He is the Director of Jiangsu Key Lab of School of Environmental Science and Engineering, Deputy Director of School of Environmental Science and Engineering, master supervisor. He was awarded the young academic leaders in blue project, 333 young academic leaders in the training of talents, Jiangsu excellent educator， etc.

Professor **Weilin SHI, Ph.D.**

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Prof. SHI obtained his PhD in Ecology from Lanzhou University, MSc from The Lanzhou Institute of Glaciology and Cryopedology, Chinese Academy of Sciences, BEng from Wuhan University (former University of Wuhan Geodesy and Geomatics).

Prof. SHI worked at The Lanzhou Institute of Glaciology and Cryopedology, and Shaoxing University previously, and undertook research at Ohio State University and International Highland Research Centre as visiting scholar.

Prof. SHI is the Director of the Science & Technology Department of Suzhou University of Science and Technology (USTS), the Director of the Collaborative Innovation Centre for Soil Remediation of USTS, and responsible for the collaborative innovation management of wastewater treatment and materials of Jiangsu Province.

Prof. SHI's teaching and research interests span the spectrum of contaminated land remediation techniques, environmental toxicology, ecological restoration and rehabitation and ecological cultivation techniques, etc. He has undertaken a number of prestigious research projects, such as National '973' project, the National Natural Science Foundation of China project, Ministry of Education project, as well as three Provincial Natural Science Foundation projects, many municipality level projects. In addition, Prof. SHI has carried out several projects on circular economy planning, energy saving and consumption reducing, as well as eco-town planning. At present, Prof. Shi is in charge of one National Natural Science Foundation of China project, several special project for the science and technology support program.

Prof. SHI has more than 40 journal papers published, among which 28 are SCI indexed; has published one textbook 'Ecology and the Environment'. Some of the awards received by Prof. SHI include the Third Prize of Outstanding Science & Technology Award of Jiangsu Province, the Second Prize of outstanding Science & Technology Award of Suzhou City; as well as the Best Natural Science Paper of Suzhou City (1st, 2nd prize), and award by the Forestry Society of Jiangsu Province etc.

Nan Xu, Ph.D.

Professor
School of Chemistry Biology and Material Engineering
Suzhou University of Science and Technology
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Dr. Xu got her Ph.D. degree on February 2006 in environmental engineering from Stevens Institute of Technology, New Jersey, and USA. Then she worked for Rutgers University as a postdoctoral fellow, New York City College as a research scientist. She is a member of America Chemistry Society and own many licenses of inspection/remediation on lead and asbestos for indoors/bridges from the state government. On 2011, she came back china to Suzhou University of Science and Technology as an advanced scholar overseas. Dr. Xu was awarded “the outstanding talent among universities and academic institutes in Suzhou city” on 2012, and “the young academic leaders in Qinglan project of Jiangsu Province” on 2014.

Her research interests focus on the role of chemical species; fate and transport of phosphorus and metal contaminant in the soils, sediments and water environment; transport of Nano-particles in porous medium; design and synthesis of inorganic materials for remediation of contaminated soils and wastewater treatments. Her research has been financially sponsored by the National Natural Science Foundation (NSF) of China (grant No. 21107077 and 21377090), and NSF of Jiangsu Province (grant No. BK20131152). Currently, Dr. Xu has published almost thirty SCI academic papers in J. colloid Interface, Chem. Eng. J., Chemosphere, and RSC Advances etc. In addition, she also own one Chinese licensed patent.

Associate Professor **Yongjing Tian, Ph.D.**

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Dr. Tian' research focuses on the urban non-point source pollution and waste solid recycling and pollution control, especially on the recycling technique of scrap types. Waste tires are recognized as one of the most difficult waste products to manage in the modern society due to their environmental, healthy, and safety hazards to our communities. During the past 4 years, Dr. Tian studied the innovative methods for scrap tires recycling, proposed NATPC (Non-activated Tire-based Pyrolytic Char), the solid products from waste tire pyrolysis without subsequent activation procedure, as alternative absorbent applied in the waste water treatment. Cu2 +, methylene blue, phenol and hemic acid were studied as adsorbates to evaluate the adsorption capacities of NATPCs. The results are encouraging with excellent adsorption capacity on heavy metal and macromolecules, which indicate NATPC could be used as an excellent adsorbent with good efficiency, simple manufacture and low cost.

From Sep. 2011 to Mar. 2012, Dr Tian, as a visiting scholar, worked at Georgia southern University, Georgia, USA, taking part in the project “Comprehensive Evaluation of the Long-Term Performance of Rubberized Pavements” funded by Georgia Department of Transportation.

By now, Dr. Tian has achieved 12 projects funded by local government and school, 22 papers published in journal or congress and 7 patents, of which 2 are Patented Invention and 5 are Utility mode.

Associated Professor：**Haicheng Liu**
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Education background

Doctor of Engineering, 2015, Municipal engineering, Hohai University, Nanjing, PRC
Master of Engineering, 2007, Municipal engineering, Huazhong University of Science and Technology, Wuhan, PRC

Teaching Courses

"Water Quality Engineering", "Water Analysis Chemistry", "Water Supply and Drainage Pipeline Project"

Research experience

Participated in 3 projects of the national natural science foundation of China, presided over or participated in 8 projects of Henan province science and technology, and declared 1 invention patent

Research interests

Drinking Water Safety Technology, Water and Wastewater Treatment Technology

Achievements

Adsorption capacity of magnetic-modified sepiolite for humic acid in source water, Journal of Hohai University(Natural Science), Vol.45, 109-115, 2017, joint with W. Chen and L. Mar.

Magnetic mesoporous imprinted adsorbent based on Fe3O4–modified sepiolite for organic micropollutant removal from aqueous solution, RSC Advances, Vol.5, 27034-27042, 2015, joint with W. Chen.

Enhanced atrazine adsorption from aqueous solution using chitosan-modified sepiolite, Journal of Central South University, Vol.22, 4168-4176, 2015, joint with W.Chen, B. Cui and C. Liu.

Magnetic mesoporous clay adsorbent: Preparation, characterization and adsorption capacity for atrazine, Microporous and Mesoporous Materials, Vol.194, 72–78, 2014, joint with W. Chen, C. Liu, Y. Liu, etc.

Adsorption of sulfate in aqueous solutions by organo-nano-clay: adsorption equilibrium and kinetic studies, Journal of Central South University, Vol.21, 1974−1981, 2014, joint with W. Chen.

Synthesis of magnetic chitosan nanoparticle and its adsorption property for humic acid from aqueous solution, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, Vol.446, 179–189, 2014, joint with C.L. Dong, W. Chen, C. Liu, etc.

Mechanism of pretreatment using magnetic poly(glycidyl methacrylate) resin in an ultrafiltration membrane system used in algae-rich water treatment, Environmental Technology, Vol.36, 507-514, 2015, joint with Y. Liu, W. Chen, C.L. Dong, etc.

Comparison of removal characteristics of two magnetic ion exchange resins for organic matter in source water, Journal of Central South University(Science and Technology), Vol.47, 2174-2180, 2016, joint with Y. Liu, W. Chen, C. Liu, etc.

Research and application of water source pollution situ-control and enhancing purification of compound contaminants in river network area, the second prize of science and technology progress award of ministry of education, China, 2015, joint with W. Chen, T. Lin, C. Liu, etc.

Yuan ZHANG, Ph.D.

Associate Professor
Tel:+86 186 51107123;
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Education, teaching and research experience

Dr. Yuan obtained her PhD in Environmental Science from AgroParisTech-ABIES in France and PhD in Environmental Engineering from Chinese Academy of Sciences, Institute of Urban Environment. Master's degree in Engineering from ESA in France, Master's degree in Science from AgroParisTech in France. BSc from Nanjing University of Science and Technology (former Nanjing Institute of Meteorology).

Prof. ZHANG now works at the department of Environmental Science, and the international office of School of Environmental Science and Engineering.

Research interests and achievements

Dr. Yuan' research focuses on the solid waste treatment technology and management, as well as bioremediation of contaminated soil, primarily through the method of modelling. Dr Yuan's works were funded by Natural Science Foundation of China (NSFC), Chinese Ministry of Science and Technology, Ministry of Environmental Protection, as well as the local governments, with the total grants more than 1 million RMB. Thus far, she has published more than 20 peer-reviewed journal papers, 1 books, and several patents on the above topics.

Dr. Yuan always dedicated to the practical application in the Environmental Management and Engineering. Until now, she has conducted a big number of application projects for government consultation in the field of Environmental Planning & Management and Environmental Risk Assessment through modelling, for example, the Urban and Rural Eco-planning, the Water pollution control and Water Quality compliance program, Air pollution control program for industry, Risk assessment for human health by Lead pollution, etc.

Associate professor **Jianfang Wang Ph.D.**

13584832421

Email:869860319@qq.com

Dr. Jianfang Wang received the Master Degree major in Environmental Engineering from China University of Mining and Technology, in 2004; received the Ph.D. major in Environmental Science and Engineering from Harbin Institute of Technology, in 2008; employed as a teacher in College of Environmental Science and Engineering, Suzhou University of Science and Technology.

Dr. Jianfang Wang's main research interests: Physicochemical and biological wastewater treatment processes; Industrial wastewater treatment technologies; Environmental Microbiology; Microbe Ecology and Molecular Biology.

In recent 5 years, she was granted by 1 item of national natural fund, 1 item of natural fund province colleges and universities and several funds of municipal finance. Meanwhile, she has taken part in three national level research items and several local-level projects. She has published more than 20 scientific papers in domestic and international authority periodicals, 5 of them cited by SCI, EI, and applied for several national patents of China, with 3 of them being granted.

The selected publications are as followings:

(1) Wang Jf, Shen YL, Song XK. Efficiency of improved anaerobic baffled reactor (ABR) for pretreating rural domestic sewage. Technology of water treatment, 2012, 38(8): 69-72.

(2) Wang JF, Liu ZG, Shen YL, et al. Optimization experiment on copper removal of comprehensive wastewater from printed circuit board industrial park by alkaline method. Chinese journal of environmental engineering, 2012, 6(3):860-864

(3) Qian FY, Wang Y, Wang JF, et al. Advances in the study of gel-forming property of exopolysaccharides isolated from aerobic granular sludge. Chemistry, 2015, 78(4): 320-324.

(4) Yin FF, Liu WR, Wang JF, et al. Research on change process of nitrosation granular sludge in continuous stirred-tank reactor. Environmental Science. 2014, 35(11): 4230-4236.

(5) Wang JF, Zhao QL. Microbial Community Analysis on Oxic-Settling-Anaerobic Process by Using PCR-DGGE Assay， Advanced Material Research. 2011, 255-260: 2934-2939.

(7) Wang JF. A method and system of reducing excess sludge by enhancing endogenous denitrification and biological phosphorus removal. National Invention Patent, China, ZL200710144602.4

(8) Wang JF. A new method of cultivating anaerobic granule sludge in an anaerobic baffled reactor. National Invention Patent, China, ZL201110125847.9

Professor **Jie Yang, Ph.D.**

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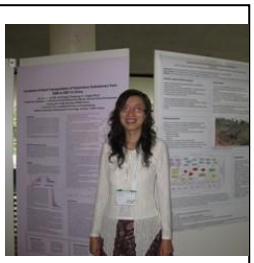

Dr. Jie received the Master and PhD degrees in Environmental Planning & Management from Nanjing University, China. She is a registered Environmental Impact Assessment Engineer on machinery and electronics industrial projects. She worked at Johns Hopkins University from February 2013 until February 2014 as a visiting scholar. Her research interests are risk perception, environmental risk assessment and management. Her current work is focused on NIMBY based on the public maximum acceptable risk level.

Dr. Jie got some honors and awards in recent years, as follows:

1. 2010, Provincial Young Talents Cultivated by Qing Lan Project, Jiangsu Province
2. 2009, Best instructor in the 11th "Challenge Cup" (Aerospace) National Academic works Competition for College Students, Ministry of Education
3. 2010, Sci-Tec Advancement Award (third prize), Environmental Protection Development of Jiangsu Province
4. 2009, Sci-Tec Advancement Award (third prize), Housing and Urban-rural Development of Jiangsu
5. 2009, Advanced social worker in summer practice of College Students, Jiangsu Province
6. 2008, 2006/2007 Suzhou Natural Science Academic Excellent Award (third prize), Suzhou Municipality people's Government
7. 2010, 2008/2009 Suzhou Natural Science Academic Excellent Award (third prize), Suzhou Municipality people's Government
8. 2014,12th Suzhou philosophy and Social Sciences outstanding achievement award (third prize), Suzhou Municipality people's Government

Professor **Cuimei Li Ph.D.**

Email: cuimeili@163.com

Professor Cuimei Li has engaged in Study on: urban water resources sustainable development of public evaluation theory, The comparison of the value engineering method and hydraulic method on water distribution systems performance evaluation, Study on mathematical model of functional quantitative of water distribution systems based on value engineering, Water price forecasting method based on marginal-cost theory: A case study in China, Water distribution systems evaluating method based on value engineering Water Pricing Forecasting Model and Generalized Method of Moments Estimation, Water Price Forecasting Based on Long-term Marginal Cost Model, A Study on Prediction of Urban Water Prices Based on the Marginal Cost Methodology, Study on Price elasticity of Domestic water in Suzhou, Urban Water Consumption long-term Prediction based on the Water Price elasticity.

Professor Cuimei Li was awarded for her Synergistic Activities

"Hanshan Education Award" for Young Teachers by Hanshan Temple(2011); China Civil Engineering Society 8th Outstanding Paper Prize (Represented Award) third prize(2008);Suzhou municipal government from 2006 to 2007 Excellent Paper Award of Natural Science(2008);China Petroleum and Chemical Industry Association, the second prize of outstanding scientific and technical books(2009).

Associate Professor **Youyi Wu**

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Email: youyiwu@mail.usts.edu.cn

Dr. Youyi Wu received his B.Sc. and M.Sc. in 1997 and in 2000, respectively. On July 2005, he graduated from Research Center for Eco-Environmental Sciences, Chinese Academy of Science (CAS) and was awarded a Ph.D. Degree. He has been an associate professor of Suzhou University of Science and Technology since 2008.
Dr. Wu had been an exchange graduate of Hong Kong Baptist University (HKBU) in 2004 and a visiting scholar of Royal Institute of Technology of Sweden (KTH) from 2013 to 2014.

Research interests

Developing of new analytical methods for environmental pollutants such as phenols, endocrine disrupters and pesticide pesticides in water, sewage and food samples, capillary electrophoresis (CE) or high performance liquid chromatography (HPLC) is often used in his research work.
As an environmental impact assessment (EIA) engineer registered by Ministry of Ecology and Environment of P. R. China, Dr. Wu also welcome graduate students who are interested in EIA and related field.

Representative publications

Youyi Wu, Mengxuan Chen, Xuedong Wang, Yunlu Zhou, Mengqi Xu, Zhanen Zhang, Development and validation of vortex-assisted dispersive liquid–liquid microextraction method based on solidification of floating hydrophobic deep eutectic solvent for the determination of endocrine disrupting chemicals in sewage, ***Microchem. J.***, 2021, 163: 105915

Youyi Wu, Jingwen Zhou, Xuedong Wang, Zhanen Zhang, Shiqian Gao, Ionic liquid-based hollow fiber liquid–liquid–liquid microextraction combined with capillary electrophoresis for the determination of sulfonamides in aquaculture waters, ***J. Chromatogr. Sci.***, 2019, 57 (10): 950-960

Youyi Wu, Jin-Ming Lin, Rongguo Su, Feng Qu, Zongwei Cai, An end-channel amperometric detector for microchip capillary electrophoresis, ***Talanta***, 2004, 64: 338-344.

Youyi Wu, Jin-Ming Lin, Determination of phenols in landfill leachate by using microchip capillary electrophoresis with end-channel amperometric detection, ***J. Sep. Sci.***, 2006, 29(1):137-143.

Youyi Wu, Alvin Yam Tat Ho, Pei-Yuan Qian, Kelvin Sze-Yin Leung, Zongwei Cai, Jin-Ming Lin, Determination of paralytic shellfish toxins in dinoflagellate Alexandrium tamarense by using isotachophoresis/capillary electrophoresis, ***J. Sep. Sci.***, 2006, 29(3): 399-404.

Associate professor **Chongjun Chen Ph.D.**
Tel: +86-13814816377 Email: chongjunchen@163.com

Education, teaching and research experience

Dr. Chen studied at Huazhong University of Science and Technology as a post graduate student and received his M.S. in environment engineering in June 2008. He was awarded a Ph.D. degree in December 2012 at Zhejiang University. Dr. Chen became a university teacher of Suzhou University of Science and Technology since March 2013.

Research interests and achievements

Dr. Chen's main research interests: Biological wastewater treatment processes; Nitrogen removal by anammox; Environmental microbiology.

In recent 5 years, he was granted by 1 item of national natural fund, 1 item of natural fund of Jiangsu province and several funds of municipal finance. He has published more than 50 scientific papers in domestic and international authority periodicals, 17 of them cited by SCI, and granted for more than 10 national patents of China. The selected publications are as followings:

1. Menglei Guo, Ying Jiang, Junxiang Xie, Qianfei Cao, Qun Zhang, Adams Mabruk, **Chongjun Chen***. Bamboo Charcoal addition enhanced the nitrogen removal of anammox granular sludge with COD: performance, physicochemical characteristics and microbial community. ***Journal of Environmental Sciences***. 2022, 115: 55–64.

2. **Chongjun Chen***, Ying Jiang, Jingjing Liu, Mabruk Adams, Yaofeng Chang, Menglei Guo, Junxiang Xie, Jiawei Xie. The structure of anammox granular sludge under varying long-term organic matter stress: performance, physiochemical and microbial community. ***Journal Cleaner Production***. 2021, 323: 129117

3. **Chongjun Chen***, Ying Jiang, Xinyi Zou, Menglei Guo, He Liu, Minhua Cui, Tian C. Zhang. Insight into the influence of particle sizes on characteristics and microbial community in the anammox granular sludge. ***Journal of Water Process Engineering*** 39 (2021) 101883

4. Jiawei Xie, Xinyi Zou, Yaofeng Chang, **Chongjun Chen***, Ji Ma, He Liu, Minhua Cui, Tian C. Zhang. Bioelectrochemical Systems with a Cathode of Stainless-steel Electrode for Treatment of Refractory Wastewater: Influence of Electrode Material on System Performance and Microbial Community. ***Bioresource Technology***. 2021, 342: 125959.

5. Xinyi Zou, **Chongjun Chen***, Changhong Wang, Qun Zhang, Zhuowei Yu, Haiping Wu, Chao Zhuo, Tian C. Zhang. Combining electrochemical nitrate reduction and anammox for treatment of nitrate-rich wastewater: A short review, ***Science of the Total Environment***, 2021, 800: 149645

6. Mabruk Adams#, Junxiang Xie#, Yaofeng Chang, Arthur wendinso Judicael Kabore, **Chongjun Chen***. Start-up of anammox systems with different biochar amendment: process characteristics and microbial community. ***Science of the Total Environment***. 2021,790: 148242

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10. Mabruk Adams#, Junxiang Xie#, Arthur wendinso Judicael Kabore, Yaofeng Chang, Jiawei Xie, Menglei Guo, **Chongjun Chen***. Research Advances in Anammox Granular Sludge: a review. ***Critical Reviews in Environmental Science and Technology***. 2020, 1831358

11. Mabruk Adams, Junxiang Xie, Jiawei Xie, Yaofeng Chang, Menglei Guo, **Chongjun Chen***, Tian C. Zhang. The effect of carrier addition on Anammox start-up and microbial community: a review. ***Reviews in Environmental Science and Bio/Technology***. 2020, 19:355–368.

12. **Chongjun Chen**, Min Zhang, Xuliang Yu, Juan Mei, Ying Jiang, Yaoqi Wang, Tian C. Zhang. Effect of C/N ratios on nitrogen removal and microbial communities in the anaerobic baffled reactor (ABR) with an anammox-coupling-denitrification process. ***Water Science and Technology***. 2018,78(11): 2338-2348.

13. **Chongjun Chen**, Weijing Zhu, Xiaoxiao Huang, Tian C. Zhang, Weixiang Wu, Faqian Sun*. Effects of HRT and Loading Rate on Performance of Carriers-Amended Anammox UASB Reactors, ***Water Environment Research***, 2017, 43(89): 43-50

14. **Chongjun Chen**, Faqian Sun, Haiqing Zhang, Jianfang Wang, Yaoliang Shen, Xinqiang Liang. Evaluation of COD effect on anammox process and microbial communities in the anaerobic baffled reactor (ABR) ***Bioresource Technology***, 2016, 216: 571-578

Associated professor Yi Yuan Ph.D.

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the chairwoman of department of Environmental Engineering.

Dr. Yi's research focuses on development of advanced technologies for biological wastewater treatment and water environmental remediation. Dr. Yi earned "The Second Prize of Huaxia Construction Science and Technology" which was the award of Ministry of housing and urban rural development in China, and "The First Prize of Environmental protection science and technology" which was the award of the environmental projection department of Jiangsu Province. Dr. Yi has been selected as "Jiangsu province Blue Project excellent young backbone teachers" , and been rewarded "The Second Education Prize of Suzhou" by Suzhou Education Bureau in 2018.

Dr. Yi has directed and finished the Project of National Natural Science Fund and the Project of Jiangsu Province University Natural Science, and participated in more than ten aational and provincial-level projects. Now, she directes the National Key Laboratory Open Project and the Minsheng Project of Suzhou Municipal Science and Technology Bureau. Dr. Yi has published more than 20 articles, including 2 SCI articles and 6 EI articles.

Professor or Associated Professor **(Xueyan Li)**
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Dr. Xueyan's research focuses on the theories of advanced oxidation processes in drinking water, especially on catalytic oxidation methods including ozone with solid catalyst, chemical oxidation with free radicals to removal of refractory micropollutants, such as taste & odor pollutants from algal metabolism, organotins and nitrobenzene in drinking water bodies.

Dr. Xueyan got her Ph.D. degree on May 2007 in Civil Engineering from Harbin Institute of Technology, Harbin China. Then she did research in Tongji University as postdoctor from May 2007 to July 2009. She came to Suzhou University of Science and technology as teacher and was promoted to associate professor on 2011. On 2015, she came Georgia institute of technology USA as visiting scholar and did research to cooperate with John C. Crittenden in civil engineering, focusing on the theories of advanced oxidation processes in drinking water treatment.

In November 2015, Dr. Xueyan was awarded the young academic teachers in blue project from the province Jiangsu.

Dr. Xueyan's research is funded by(1) National Natural Science Foundation of china(NNSFC), Transformation and Removal research on organotins(Grant No. 51108291); (2) China Postdoctoral Science Foundation, Efficiency and Mechanism of Microcystins from source water(Grant No. 20080430685);(3) open project of State Key Laboratories of China, Efficiency and mechanism of combination of preoxidation and nanofiltration process for control organotins from navigation rivers (Grant No. QA201018).

Professor Ganwei ZHANG

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Education, teaching and research experience：

2016~ School of Environmental Science and Engineering, Suzhou University of Science and Technology, Suzhou,

2014~2015 Postdorctoral fellow, Department of Chemistry, Queen's University, Canada.

2009~2013 PhD in Polymer Chemistry and Physics, Chinese Academy of Sciences, Guangzhou Institute of Chemistry.

Research interests and achievements

Membrane technology is honored as "the water treatment technology in 21st century ". It is the most rapidly in nearly 40 years development, the most widely used technology. My current research focuses on the development of various strategies for improving the anti-fouling properties of the membranes, which can be used to treat water or wastewater. I am also interested in developing some functional coatings for special performance, but the coatings are mainly polymer coating.

Publications：

1. *ACS Applied Materials & Interfaces,* **2021,** 13(32), 38712–38721.
2. *Applied Surface Science,* **2021,** 562, 150185.
3. *ACS applied materials & interfaces,* **2021,** 13 (3), 4485-4498.
4. *ACS Applied Materials & Interfaces,* **2020,** 12 (50), 56530-56540.
5. *Journal of Membrane Science,* **2019,** 569, 60-70.
6. *Applied Surface Science,* **2019,** 464, 429-439.
7. *Industrial & Engineering Chemistry Research,* **2019,** 58 (42), 19475-19485.)
8. *Polymer,* **2018,** 157, 79-86.
9. *Polymer Chemistry.* **2016,** 7(43): 6645-6654.
10. *Physical Chemistry Chemical Physics,* **2015,** 17(29): 19457-19464.
11. *ACS Applied Materials & Interfaces,* **2013,** 5(24):13466-13477.
12. *Journal of Materials Chemistry A,* **2013,** 1(20): 6226-6237.

Huili Wang, Professor, Ph.D., Doctoral Supervisor, Tel: 15057769199, **E-mail:** whuili@163.com

Address: School of Environmental Sciences and Engineering
Suzhou University of Science and Technology
Suzhou 215009, Jiangsu Province
People's Republic of China

Experience:

2017/07-Present: Professor, employed in School of Environmental Science and Engineering, Suzhou University, Suzhou 215009, China.

2008/1-2017/06: Professor, employed School of Life Sciences and Laboratory Medicine, Wenzhou Medical University, Wenzhou 325035, China.

2003/9-2007/12: Associate Professor, employed in College of Chemistry, Central China Normal University, Wuhan 430079, China.

Education:

2005-2009: Ph.D. in the Key Laboratory of Pesticides and Chemical Biology of Ministry of Education, Central China Normal University, Wuhan 430079, China.

Research Interest:

My research interest focuses on **Environmental Toxicology and Ecological Safety Assessment**. Specifically, the four major omics technologies, bioinformatics, as well as the principles and methods of modern molecular biology are used to probe the biological toxicity effects and health risk assessment of environmental pollutants. In my laboratory, zebrafish (*Danio rerio*) are used as model organisms to construct a toxicological research platform. So far, Dr. Huili's researches are funded by three Natural Science Foundation of China (NSFC), and more than 10 Zhejiang and Jiangsu Provincial Sci&Tech Projects. Three NSFC projects are: (1) The new upstream pathway from abnormal expression of indirect target miR-125b and its regulated downstream network of non-alcoholic fatty liver diseases and of hepatic mitochondrila apoptosis due to triclosan exposure to zebrafish (NO. 31770552); (2) The molecular mechanism on chronic toxicity of zebrafish exposed to trace combined pollution of β-diketone antibiotics using high throughput RNA-seq deep sequencing technique (NO. 31270548); (3) Genome-wide identification of small RNA and studies on their related regulatory networks in Spirulina platensis (No. 71071115). More than 50 SCI papers related to environmental toxicology have been published in internationally famous journals, such as ***Archives of Toxicology***, ***Environmental Pollution***, ***Aquatic Toxicology***, ***Journal of Hazardous Materials***, ***Chemosphere***, ***Ecotoxicology and Environmental Safety***, **and** ***Environmental Toxicology***. Dr. Huili Wang was sponsored by the "2018 Double Innovation Team" Talent Project as a core member.

ASSOCIATE PROFESSOR
HONG LIU, PH.D, Tel: 18051902267; E-mail: **hong.liu@usts.edu.cn**

EDUCATION

Ph.D., Environmental Engineering, University of Alberta, December 2014.
Dissertation: "Community Structure and Microbial Activity of Sulfate Reducing Bacteria in Wastewater Biofilms and Mature Fine Tailings Analyzed by Microsensors and Molecular Biology Techniques."

M.S., Environmental Engineering, Hunan University, June 2007.
Thesis: "Eluting of Polychlorinated Biphenyls (PCBs) from Contaminated Soil Using Hydroxypropyl-beta-cyclodextrin(HPCD)."

B.S., Civil and Municipal Engineering, Hunan University, China, June 2004.

Dr. Liu obtained her Ph.D from University of Alberta in Canada in environmental engineering. Dr. Liu's research and technical activities are mainly in the area of water and wastewater treatment techniques development and application, including electrochemical/bio microsensor development and measurement for in situ monitoring of nutrients and chemical/biological compounds in engineered and natural aquatic systems; biofilm control and nitrification prevention in drinking water distribution systems; development and application of combined techniques of microsensors and molecular biology in complex microbial environment.

Dr. Liu's research covers different areas of environmental engineering and her work has been largely sponsored by various organizations, industries, and foundations. It is her endeavor to develop a line of research solidly founded on both applied science and process engineering. She has published peer-reviewed journal papers in *Science of the Total Environment, Biotechnology and Bioengineering, Canadian Journal of Microbiology, Journal of Environmental Sciences, Water Environment Research* and several conference proceedings papers, indicating her leading role in these publications. At this time, she also has several first-authored manuscripts under review. Because of her research record, Dr. Liu has been called upon frequency to provide peer-review for international journals. She has been invited to review books and papers for Water Environment Federation and four international journals. While she was still a graduate student at University of Alberta, she had received several awards including first place oral presentation award from Edmonton Waste Management Centre of Excellence Association. Dr. Liu was working as a postdoctoral research fellow at U.S. Environmental Protection Agency (U.S. EPA) at the National Risk Management Research Laboratory since December 2014 until September 2016.

Dr. Liu has provided consulting services of strategic design to practical industrial wastewater treatment systems, and strategies for oil sands process-affected waste treatment systems. As an experienced environmental consultant, it is her endeavor to become a bridge between fundamental and applied environmental engineering disciplines, and to bridge the academic and industrial world.

Feiyue Qian

Associate professor, Assistant Dean

University: Suzhou University of Science and Technology

School: School of Environmental Science and Engineering

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Education

- Ph.D., Environmental Science and Engineering, East China University of Science and Technology, 2013.
- Bachelor, Environmental Engineering, Hohai University, 2007.

Working Experience

- 2010: Associate Engineer, Rapperswil technical Institute, Switzerland.
- 2013-2018: Lecturer, School of Environmental Science and Engineering, Suzhou University of Science and Technology.
- 2018-Present: Associate professor, School of Environmental Science and Engineering, Suzhou University of Science and Technology.
- Having supervised 5 foreign students for the master's degree.

Research Interests

- Advance biological wastewater treatment technology
- Advance membrane filtration technology

Research Grants

- Study on the Construction of Membrane Interface Ozone Catalytic Oxidation System Based on Carbon Layer Nanochannels, the National Natural Science Funding of China, 2017-2019.
- Water Eco-health Improvement and Water Quality Guarantee Technology and Engineering Demonstration in Xukou Bay Water Source Area, Major National Scientific and Technological Projects on Water Pollution Control, 2017-2020.

Selected Research Publications

- 9 paper as the First or corresponding author published on SCI Journal.

SHEN Shusu Asscociate Professor

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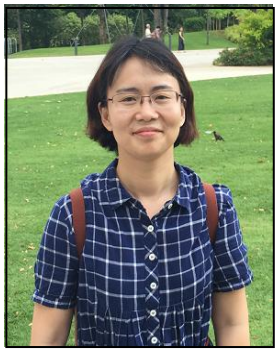

Research fields:

Environmental engineering, Membrane technology, Polymer materials

Dr. Shen and her coworkers are now doing **membrane fabrications** and **membrane applications in wastewater treatment**. She is now preparing the polymer membranes having special surface functions, *e.g.* the positively charged membranes that can be used for the separation of heavy metal ions from the wastewater. She is holding an National Natural Science Foundation of China titled "Study on the mechanism of selective removal of heavy metal ions from water by polycationic ionic liquid polymer modified porous membranes".

Dr. Shen was majoring in Chemistry since her undergraduate study at *Soochow University* in 2001. She got her M.S. (Organic chemistry) from *Soochow University* in 2008. In the same year, she moved to Singapore and enrolled in *Nanyang Technological University* (NTU) to continue her PhD (Doctor of Philosophy) study, majoring in Organic synthesis. In 2012, she was hired as Research Associate (R.A.) by NTU and worked in same department for 5 months.

After she recieved PhD degree in Feburary 2013, she joined *Suzhou University of Science and Technology* and started to work in the Center for Separation and Purification Materials & Technologies. Her research field moved from Chemistry to the Polymer materials, where, she applied her chemistry knowledge into the synthesis of water treatment materials, especially the membrane materials. She has pubilished several SCI papers after she joining our University.

✧ Students who are willing to join her group are encouraged to have some related chemistry background and science laboratory experience.

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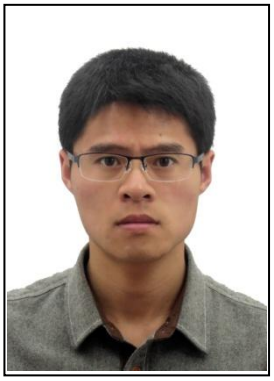

Education, teaching and research experience

PengWu graduated from Jiangnan University in 2013, as visiting scholar in the University of Hong Kong in 2018. PengWu dedicated himself to the teaching and research work in the field of municipal engineering and environmental engineering. He is a member of Water Pollution Control and Resource Recovery Institute, and mainly engaged in polluted water anaerobic treatment processes with high efficient and low energy consumption, advanced deep processing and decentralized rural sewage treatment. Their research of anaerobic biological wastewater treatment by anaerobic baffled reactor and its improvement has a leading position in China.

Research interests and achievements

PengWu has finished projects as leader or as main researcher such as research on the coupling mechanism of denitrifying phosphorus removal in ABR-MBR integrated process based on biological phase separation and circulation (the National Natural ScienceFoundation of China), research on nutrient removal mechanism of domestic sewage treatment in Taihu Lake Basin by ABR-MBR combined process（Natural Science Foundation ofJiangsu Province）, and more than 50 papers in science journals, including 20 papers in Science Citation Index. Peng Wu is one member of journal's editor board of Frontiers in Environmental Microbiology, and also is a reviewer of journals, such as Bioresource Technology, Chemical Engineering Journal and Chemosphere.

Dr.Cheng Yuanyuan

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Resume

1. Education：

PhD in Contaminated Land Management, The University of Nottingham, UK
MSc in Environmental and Resource Engineering, The University of Nottingham, UK
BSc in Industrial Engineering, China University of Mining and Technology, China

2. Teaching and research interests：

Dr. CHENG obtained her PhD from The University of Nottingham, England, and worked in environmental engineering consultancy companies in the UK for 4 years. Her teaching and research interests include human health risk assessment of contaminated land, sustainable development, sustainability appraisal, and Life cycle assessment. She has undertaken several research projects, such as research projects from Chinese Ministry of Education and Suzhou University of Science and Technology.

3. Publications：

(1) **CHENG, Y. Y**. & C. Paul Nathanail (2019), A study of "cancer villages" in Jiangsu Province of China, Environmental Science and Pollution Research. 26(2): 1932~1946

(2) **CHENG, Y. Y**. & NATHANAIL, C. P. (2017) Determination of the potential implementation impact of 2016 ministry of environmental protection generic assessment criteria for potentially contaminated sites in China. *Environmental Geochemistry & Health*, 1-19

(3) Sammy Koskei, **CHENG, Y. Y**., Wei-lin Shi (2017). Feasibility Studies of Soil Remediation for Kenya. American Journal of Life Sciences. Special Issue: Environmental Toxicology. Vol. 5, pp. 36-42.

(4) Sammy Koskei, **CHENG, Y. Y**., Wei-lin Shi (2017). Critical Review of the Current Status of Soil Contamination in Kenya. International Journal of Environmental Monitoring and Analysis. Vol. 5, pp. 14-24.

(5) **CHENG, Y. Y**. & NATHANAIL, C. P. (2009) Generic Assessment Criteria for Human Health Risk Assessment of Potentially Contaminated Land in China *Science of the Total Environment,* 408, 324-339.

(6) Nathanail, P., McCaffrey, C., Ashmore, M., **CHENG, Y. Y**., Gillett, A., Hooker, P., & Ogden, R. (2009) The LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment 2nd Edition, Nottingham, Land Quality Press.

(7) **CHENG, Y. Y**. & Nathanail, P. (2007) Generic Quantitative Human Health Risk Assessment Practice in China. Geo-Environmental Engineering, London, IOM Communications Ltd, 1 Carlton House Terrace, SW1Y 5DB, UK