

Annex 'B'

Resume George

George 'Jianguo' Zhang

#801-1305 Taylor Avenue, Winnipeg, MB R3M 2K6

Tel: 204-478-1781 Email: umzhan36@cc.umanitoba.ca**PROFILE:**

- Four years' experience in process design and project management in a consulting firm;
- Five years' experience as an Operations Engineer in an industrial water and wastewater treatment facility;
- Extensive experience in research & laboratory tests on water and wastewater treatment, from jar tests to bench-scale tests; on-site or in-house tests;
- Solid knowledge in treatment, transmission, chemistry and tests on water and wastewater;
- Proficient in Microsoft office (Word, Excel, Power Point, Outlook), AutoCAD and Internet;
- Strong organizational skills and problem-solving skills;
- Self-directed and highly-motivated, comfortable with independent and teamwork environment;
- Eligible for registration with APEGM

EDUCATION**Master of Science, Environmental Engineering** 2005. 02

University of Manitoba, Winnipeg, Canada

- Thesis: Variation of particle size distribution in DAF process for drinking water treatment
* Based on the research, my paper was accepted and presented in the 20th Canadian Symposium on Water Quality Research in Ottawa in October, 2004
- Related Courses: Water Engineering, Wastewater Engineering, Membrane Technology in Environmental Engineering, Environmental Lab, Statistics & Regression, Aquatic Chemistry;
- GPA: 3.5/4.5

Master of Engineering, Environmental Engineering 1991. 04

Tianjin University, China

PROFESSIONAL EXPERIENCE:**Research Associate / Scientist (full time)**

Department of Civil Engineering, University of Manitoba 2004, 10~Present

- Set up bench-scale test appliance for biological nutrient removal (BNR) in wastewater;
- Operated the appliance, collected samples and performed all the tests required for the research;
(The tests include TS, TSS, VSS, COD, pH, NO₃⁻, NO₂⁻, NH₄⁺, etc.)
- Evaluated and analyzed the test results for further research;
- Prepared research reports and papers from the test;

Research Assistant (Part-time)

Earth Tech (Canada) Inc., Winnipeg Branch 2004.03~ 09

- Sampled from the wastewater treatment plant, conducted particle analysis and size measurements using microscope and computerized image analysis system;
- Conducted statistical analysis of the test data using computerized software;
- Prepared test reports;

Graduate Student / Research Assistant / Teaching Assistant

Department of Civil Engineering, University of Manitoba 2002, 09~2004, 10

- Set up experiment appliances (from jar tests to bench-scale);
- Conducted laboratory tests and helped to evaluate the data using statistical software;
- Helped to calibrate and maintain lab instruments and equipment;
- Trained undergraduate students and new graduate students;

Project Engineer

PACT Environmental Engineering Ltd., Shanghai, China 1997~2000

- Designed and evaluated water and wastewater treatment processes;
- Sized, selected and ordered equipments and appliances for the projects
- Participated in preparation of proposals and reports related to the projects;
- Liaison with clients, suppliers, and other sub-contractors;
- Developed protocols for bench-scale and pilot-scale tests, commissioned the installed system;

- Supervised and performed laboratory analysis both on-site and in house;
- Trained operators and worked out operation and maintenance manual for the installed project;

Operations Engineer

Facility Department, Huajin Electronics Group Co., Ltd., China 1991~1996

- Investigated and reported the problems with process and water quality, and provided recommendations for improvement for the system(industrial water and wastewater treatment);
- Evaluated and developed process modification for optimization, prepared or revised operation and maintenance (O&M) procedures;
- Participated in budget preparation and business planning;
- Supervised the day to day operations of the facility including the laboratory tests;
- Participated in preparation of regulatory and incidents reports;

COMPUTER SKILLS:

- Proficient in Microsoft office (Word, Excel, Power Point, Outlook), AutoCAD and Internet;
- Proficient in the operations with computer software, such as Image Pro- Plus for image analysis, SPSS for statistical analysis of test data;

OTHER TRAINING

- Manitoba 5th-class Driver' License
- First-aid Certificate from Canadian Red Cross Association 2002
- Laboratory safety SOP, WHMIS for environmental engineering 2003

OTHER EMPLOYMENT:

Sanitation Technician
Maple Leaf Meats Inc., Winnipeg Plant 2001~2002

VOLUNTEER EXPERIENCE:

Information Coordinator
"National Engineering Week" Event 2004

Information Coordinator
"Engineers without borders" Event 2003

REFERENCES:

References are Available upon Request