

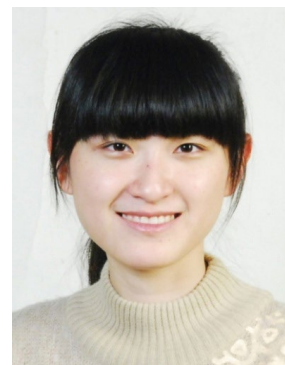
Xu Yunrui

Status at NTU: Research Associate (completed)

Contact:

Singapore Centre on Environmental Life Sciences Engineering
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Education:

- M.SC., Environmental Engineering, Nanyang Technological University, Singapore, May 2014
- B.SC., Biotechnology, South West University, Chong Qing, China, Jul.2010

Working & Research Experiences

Singapore Centre on Environmental Life Sciences Engineering, Singapore
Research Assistant Jul.2014 to Present

- Participated in the project of “Anaerobic digestion ecosystem microbial observatory (ADEMO) of Ulu Pandan Water Reclamation Plant” and “Enhanced phosphorus removal in the absence of a chemical precipitation stage in an anoxic/aerobic bioreactor (South Works, Ulu Pandan Water Reclamation Plant) – a mechanistic study”.

National University of Singapore, faculty of Engineering
Internship Research Assistant Mar, 2014 – Apr 2014

- Hydrogel Smart System: Fabrication of environmental responsive hydrogel (pH responsive and temperature responsive), Fabrication of PDMS, Operate microscope and 3D printer to design model.
- Energy Generation System: Analysis of Data got from the experiment. Operation of High voltage source and other experiment..

The Bangkok Jam Restaurant

Service as a part time job Dec, 2013 – Mar 2014

- Have done all kinds of job such service, host, caller, barman.

The Marco Polo International Hotel

Secretary and translator of F&B June, 2012 – July 2013

- Translated for the foreign boss and spoken English is fluent.
- Assisted boss to accomplished tasks and was charged for the daily routine.

The Third Military Medical University of China

Research assistant June, 2010 – May, 2012

- The lab majored on the effect of electromagnetic radiation on living organism.

- I participated in a group that was constituted of excellent professors and doctors and finished parts of full chain of experiments. I was responsible there for the breed and anatomy of mice, cell culture, studied with the Doctors for the other parts such as DNA extraction or sequencing etc...

Social practice activities Chongqing City, China

Social investigation on Sericulture July, 2009 – Aug, 2009

- Took part in the social investigation team of Biotechnology College Party Organization and did an investigation on Sericulture in some district on Chongqing.

Social practice activities Quanzhou, China

Social investigation on mode of production July, 2008 – Aug, 2008

- Took part in the social practice activities team of South West University and did an investigation on mode of production in Jinjiang and labour market on Jinjiang City.
- Made an acquaintance on mode of clothing production in Jinjiang and labour market structure. Broaden my horizon.

Research Interests

- Activated Sludge Models(ASMs) and Anaerobic Digestion Models(ADMs).
- Support Vector Machine(SVM)
- Wastewater Treatment
- Microbe mechanism
- DNA sequencing and data analysis