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Huangfu Yibo

Education

- 09/2011-06/2014 Beijing University of Chemical Technology (BUCT), Beijing
✚ Master of Engineering, Environmental Science and Engineering
09/2006-06/2010 Huazhong Agricultural University, Wuhan
✚ Bachelor of Engineering, Environmental Engineering

Publication

Huangfu Yibo, Chen Xiaofu, Zhang Weihao, Li Haixi, Liu Guangqing. *Comparative Study between Three Biomass Cookstove Laboratory Testing Protocols*. **IN CHINESE**. Renewable Energy Resources. ISSN: 1671-5292. 2013, 31, (3), 97-100.

Assistant Experiences

Teaching Assistant

- ✚ 07/01/2013-07/05/2013 Course: Cookstove and Air Pollution Management
Advisor1: Tami Bond, Associate Professor in UIUC
Advisor2: Ronal Larson, Former Professor in Georgia Tech
✚ 07/11/2011-07/15/2011 Course: Biomass Stoves Seminar
Advisor: Dean Still, Executive Director of Aprovecho Research Center (ARC), US

Research Assistant

- ✚ 11/2012-12/2012 Training in ARC as the technician of China Regional Testing and Knowledge Center (CRTKC) supported by Global Alliance for Clean Cookstoves (GACC)
Advisor: Dean Still, Executive Director of ARC, US.
Responsibilities: demonstrated the related experiment operations and aided in experiments and result analysis.
✚ 12/2009-05/2010 Sorption Mechanisms of Heavy Metals on Hexagonal Birnessite with Varying Mn Average Oxidation States
Advisor: Wang Yan
Responsibilities: 1) took charge of some experiments about the adsorption and desorption of Zn^{2+} onto birnessite with different average oxidation states at different pH conditions; 2) processed data and wrote lab reports
Note: This experiment was the main content of my undergraduate thesis
✚ 04/2008-11/2009 The Effect of Cd on the Growth and Cadmium Uptake and Distribution in Different Varieties of Oilseed Rape
Advisor: Xiong Shuanglian, Associate Professor
Responsibilities: did the growth and development experiments of 64 varieties of oilseed rape after the Cd stress treatments and screened the Cd hyperaccumulator

Research Activities

Experiments

- ✚ 11/2013-present The Effect of Operation on the Performance of Biomass Semi-gasified Cookstove
Advisor: Liu Guangqing, Associate Researcher
Responsibilities: undertook the experimental design and operation, data processing and paper writing
- ✚ 04/2013-06/2013 The Performance Test of Biomass Semi-gasified Cookstove Using Multiple MC Fuels
Advisor: Liu Guangqing, Associate Researcher
Responsibilities: undertook the experimental design and operation, data processing and paper writing
- ✚ 12/2012-02/2013 The Comparison of PM_{2.5} Determination between Laser Scattering Method and Gravitational Method
Advisor: Dean Still, Executive Director of ARC, US
Responsibilities: did part of the experimental operations and aided the engineers of ARC to process data
- ✚ 03/2012-10/2012 Research on the comparison between Chinese Standards and Water Boiling Test for clean cookstoves
Advisor: Liu Guangqing, Associate Researcher
Responsibilities: translated testing protocol, compared theories, conducted stove performance evaluation and wrote paper
- ✚ 03/2011-present Programs about the Biomass Stoves Carbon Trade
Advisor: Liu Guangqing, Associate Researcher
Responsibilities: did field tests, questionnaire survey and data entry

Conferences

- ✚ 09/2013&03/2013 Seminar on the China's biomass stove testing method and standard
----the China division of the first phase of Clean Stove Initiative (CSI) of World Bank;
Responsibilities: gave related reports
- ✚ 01/2013 The 13th Engineers in Technical and Humanitarian Opportunities of Service (ETHOS)
Responsibilities: made a presentation together with an engineer from ARC on "Correlations between Light Scattering and Gravimetric PM Measurement".
- ✚ 09/2012 Seminar on the testing methods for biomass cookstove and its industrial standard drafting
Responsibilities: made a presentation about the preliminary results comparing Water Boiling Test with the Chinese test method on behalf of the biomass energy and environmental engineering research center in Beijing University of Chemical Technology

Other

- ✚ 11/2012-02/2013 Studied in the stove testing training in ARC in OR, US for 3 months as an exchange student, which covered the performance testing of the biomass stove, indoor air emission, emission measurement and the working principle of the equipments
- ✚ 08/2012-present Took charge of the testing lab in China Regional Testing and Knowledge Center (CRTKC) supported by GACC, including the stove testing, multiple factors test, field measurement and etc.

Honors

- ✚ 07/2013-12/2013 Won the first prize award for the best presentation and the award for the best poster in the International Student Contest on Environment and New Energy (ISCENE) organized by BUCT. The topic is “Clean Production of Biochar by Biomass Stoves” (Included in the collected papers of the contest)
- ✚ 12/2012-05/2013 Won the second award in the 7th “Challenge Cup” Extracurricular Academic Science and Technology Competition in BUCT
- ✚ 08/2012-11/2012 Won the third prize in the Shell undergraduate investigation on rural energy and sustainable development, by the report “Marketing model research and application status investigation of the semi-gasified stove in Xuanen, Hubei” (Included in the collected papers of the project)
- ✚ 06/2011 Won the silver award in the 2nd “Yantai Wanhua” national universities Environmental Science and Technology Creative Design Contest

Other Information

- 2010 Obtained the qualification of Clean Production Auditor, No. E017287
- 2012 Passed the test of Registered Exploration and Design Engineer (Environment Engineer), No.12038039

English Proficiency

- GRE: 310=144(V) + 166(Q) + 3(AW)
- TOEFL: 100=26(R)+26(L)+23(S)+25(W)