
REN Yuying

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EDUCATION

- University of Connecticut** 01/2021-Present
PhD. of Animal Science in Food Microbiology
- Illinois Institute of Technology** 08/2018-12/2020
Master of Science in Food Safety and Technology
- The Ocean University of China** 08/2012-06/2016
Bachelor of Engineering in Food Science and Engineering

RESEARCH EXPERIENCE

- Growth Kinetics of *Salmonella enterica* During Rehydration of Dehydrated Plant Foods and subsequent Storage of Rehydrated Plant Foods** 12/2018-12/2020
Principle Researcher of Master Graduation thesis project Mentor: Joelle K. Salazar and Wei Zhang
Objective: Assessed the rehydration kinetics of dehydrated plant foods. Determined the growth kinetics of *S. enterica* during the rehydration and subsequent storage process of dehydrated plant food.
- Extraction of Enteromorpha Chlorophyll and Its Applications in Food** 04/2014-05/2015
Program Leader and Principle Researcher of SRDP program of OUC Mentor: Peng Wang
Objective: Optimized the extraction procedures of erratic Enteromorpha chlorophyll. Analyzed the extracted components and applied the improved procedures into mass industrial production, which would further be used as food additives as well as medicine. The outbreak risk of Enteromorpha was significantly reduced.
- Factory Design of Juice Beverage with Annual Production Capacity of 6,000 tons** 08/2015-06/2016
- Principle Researcher of Undergraduate Graduation Design Thesis Mentor: Zunying Liu

PUBLICATION or MANUSCRIPT IN PREPARATION

- Rate of *Salmonella enterica* during rehydration and storage of dehydrated plant foods.**
Journal of Food Protection
Y. Ren, Joelle K. Salazar, Z. Wu, M. Fay, G. Liggins, M. Tortorello. In processing
- Sustained probiotic supplementation promotes growth and performance in broiler chickens.**
Y. Ren, M. Gao, S. Lu, R. Reddyvari, M. Muiyyarikkandy, P. Kosuri, M. Amalaradjou. In processing
- In-ovo and in-feed probiotic supplementation promoted myogenesis in broiler chicken.**
Y. Ren, S. Reed, M. Amalaradjou. In processing
- Effect of in-ovo probiotic supplementation on the hatchability and hatchling quality of broilers.**
M. Gao, Y. Ren, R. Reddyvari, S. Lu, M. Muiyyarikkandy, M. Amalaradjou. In processing
- In ovo probiotic supplementation promotes muscle growth and development in broiler embryos. Poultry Science**
M. Muiyyarikkandy, M. Schlesinger, Y. Ren, M. Gao, A. Liefeld, Sarah Reed, M. Amalaradjou. under review
- Controlling *Listeria monocytogenes* on apples under simulated commercial conditions by**

lactic acid bacteria.

M. Gao, **Y. Ren**, D. Kuttappan, M. Amalaradjou.

In processing

7. Biocontrol of *Salmonella* and *E. coli* O157:H7 on alfalfa seeds and sprouts using a multi hurdle approach.

S. Lu, M. Gao, D. Kuttappan, **Y. Ren**, R. Reddyvari, M. Amalaradjou.

In processing

8. Application of probiotics in controlling *Salmonella Enteritidis* contamination in embryonated layer eggs.

P. Kosuri, S. Humayoon, R. Reddyvari, M. Gao, **Y. Ren**, M. Amalaradjou.

In processing

PRESENTATION

1. Sustained probiotic supplementation promotes growth and performance in broiler chickens.

Yuying Ren, Mairui Gao, Ragini Reddyvari, Si Lu, Mary Anne Amalaradjou.

International Association for Food Protection Annual Meeting. July 11-14, San Antonio, Texas.

2. Growth kinetics of *Salmonella enterica* during rehydration and storage of dehydrated carrots.

Yuying Ren, Joelle K. Salazar, Zihui Wu, Megan Fay, Girvin Liggans, Mary Anne Amalaradjou.

International Association for Food Protection Annual Meeting. October 25-28, Cleveland, Ohio.

3. Early probiotic application improves hatchability and hatchling quality of broiler chicks.

Mairui Gao, **Yuying Ren**, Ragini Reddyvari, Si Lu, Mary Anne Amalaradjou.

International Association for Food Protection Annual Meeting. July 11-14, San Antonio, Texas.

QUALIFICATIONS & HONORS

- FSPCA Certificate of Training in the FSPCA Preventive Controls for Human Food 10/2019
- Certificate of Participation and Completing the HACCP Planning and Implementation 03/2019
- Outstanding Student Award in Ocean University of China 05/2015
- Occupational Qualification Certificate of Third Level Public Dietician (Advanced) 05/2015
- Senior Skill Certificate of Food Inspection Worker 08/2015
- National Award, Undergraduate Innovation and Entrepreneurship Program in OUC 07/2013
- The Excellent Leader of Student Research Developing Program in Ocean University of China 07/2015
- The Excellent Secretary of Technology Association of Marine Science 04/2014
- The Excellent Secretary of Student Union in Institute of Food Science and Engineering 06/2014
- The second prize of Calisthenics Competition in Ocean University of China 09/2013

PROFESSIONAL EXPERIENCE

Yanji Cigarette Factory of Jilin Tobacco Industry Co., Ltd.

Product Quality Assurance Inspector

08/2016-05/2018

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- Obtained general knowledge about cigarette production line and related laws and regulations of production standards, analyzed the correlation between efficiency and quality;
 - Performed cigarette production quality inspection based on the physical and chemical indicators;
 - Revised and improved the quality inspection methods and procedures with increased efficiency and lower costs.

Yanbian Korean Autonomous Prefecture Product Quality Supervision and Inspection

Executive Assistant Intern

07/2014-08/2014 & 07/2015-08/2015

- Familiarized with marketing management system, regulations, rules and relevant laws of food production quality management;
- Participated in quality spot-check and improved the system.

Rongcheng Taixiang Food Co., Ltd. of Taixiang Group, Shandong

Product Quality Assurance & Laboratory Assistant Intern

08/2014-09/2014 & 02/2016-05/2016

- Familiarized with workflow of mass production as well as the critical machine operation;
- Worked as research and development intern and improved the ratio of certain product.

SKILLS

- Laboratory Skills

Culture strains, enumeration, enrichment, inoculation, pH and a_w machine, Spectrophotometry, qPCR, RNA sequencing, DNA and RNA extraction, WB, HPLC, GC-MS, AAS

- Computer Skills

Office software, DMfit, C++, Visual Basic, AutoCAD.

- Language Skills

Chinese: native speaker; *English*: fluent; *Korean*: conversational.