

**JE-RUEI LIU, Ph.D.**

Affiliation:

Department of Animal Science and Technology

E-mail address: jrliu@ntu.edu.tw



URL: <http://ah.ntu.edu.tw/web/Teacher!one.action?tid=1734>

**Academic History:**

Ph.D., Department of Animal Science and Technology, National Taiwan University, Taipei, Taiwan, ROC, 2001

**Professional/Scientific Career:**

Current Positions:

1. 2014- Now, Director, Institute of Biotechnology, National Taiwan University, Taipei, Taiwan, ROC
2. 2013- Now, Professor, Institute of Biotechnology, National Taiwan University, Taipei, Taiwan, ROC

Experiences:

1. 2009- 2013, Associate Professor, Institute of Biotechnology, National Taiwan University, Taipei, Taiwan, ROC
2. 2006- 2009, Assistant Professor, Institute of Biotechnology, National Taiwan University, Taipei, Taiwan, ROC
1. 2005- 2006, Assistant Professor, Department of Biotechnology, National Formosa University, Yunlin, Taiwan, ROC

**Awards/Professional Societies:**

**Research Area/ Interests:**

1. Microbial Biotechnology
2. Genetic Engineering
3. Fermentation Technology

**Publications** \* corresponding author

**Selected publications (Original article, ; Review, )**

1. Tseng, C. W., D. J. Yeh, F. T. Chuang, S. C. Lee, and J. R.

- Liu\*,2015,Immobilization of *Piromyces rhizinflata*  $\beta$ -glucanase on poly(dimethylsiloxane) and Si wafer and prediction of optimum reaction for enzyme activity,Preparative Biochemistry & Biotechnology,45,pp42-55. (SCI)
2. Chen, C. C., J. W. Huang, P. Zhao, T. P. Ko, C. H. Huang, H. C. Chan, Z. Huang, W. Liu, Y. S. Cheng, J. R. Liu\*, and R. T. Guo\*,Structural analyses and yeast production of the  $\beta$ -1,3-1,4-glucanase catalytic module encoded by the *licB* gene of *Clostridium thermocellum*,Enzyme and Microbial Technology,71,pp1-7 (SCI)
  3. Tseng, C. W., C. Y. Liao, Y. Sun, C. C. Peng, J. T. C. Tzen, R. T. Guo\*, and J. R. Liu\*,2014,Immobilization of *Clostridium cellulolyticum* D-psicose 3-epimerase on artificial oil bodies,Journal of Agricultural and Food Chemistry,62,pp6771-6776 (SCI)
  4. Hsueh, H. Y., B. Yu, C. T. Liu and Je-Ruei Liu\*,2014,Increase of the adhesion ability and display of a rumen fungal xylanase on the cell surface of *Lactobacillus casei* by using a listerial cell-wall-anchoring protein,Journal of the Science of Food and Agriculture,94,pp576-584 (SCI)
  5. Wu, T. Z., C. C. Chen, Y. S. Cheng, T. P. Ko, C. Y. Lin, H. L. Lai, T. Y. Huang, J. R. Liu\*, and R. T. Guo\*,2014,Improving specific activity and thermostability of *Escherichia coli* phytase by structure-based rational design,Journal of Biotechnology,175,pp1-6 (SCI)