Yibing Hu

Associate Professor of Biological Sciences

Address: A714, CRES Building
Phone Number: 25-84396383
Email: huyb@njau.edu.cn

Education:

- Ph.D., Institute of Botany, Chinese Academy of Sciences; Botany, 2007
- MS., Wuhan Botanical Garden, Chinese Academy of Sciences, Botany, 1997
- B.A., Central China Normal University; Biological Sciences, 1991

Research interests and expertise:

- Currently I am interested in sugar transport in rice. Using biochemical, physiological, gene editing and other molecular biological methods, we hope to identify related transporters and elucidate their roles in sugar transport during rice reproductive growth

Current projects:

- State Key Laboratory of Soil and Sustainable Agricultural, Chinese Academy of Sciences (Y412201445)
- Natural Science Foundation of Jiangsu Province, China (BK20151424)

Current teaching:

- Scientific Writing
- Molecular Biology for Plant Nutrition

Selected publications:

- Ma L, Zhang D, Miao Q, Yang J, Xuan Y, Hu Y (2017). Essential role of sugar transporter OsSWEET11 during the early stage of rice grain filling. Plant Cell Physiol. 58: 863-873
- Hu Y, Sosso D, Qu XQ, Chen LQ, Ma L, Chermak D, Zhang DC, Frommer WB (2015). Phylogenetic evidence for a fusion of archaeal and bacterial SemiSWEETs to form eukaryotic SWEETs and identification of SWEET hexose transporters in the amphibian chytrid pathogen Batrachochytrium dendrobatidis. FASEB J. 30:3644-3654
- Xuan Y, Hu Y, Chen L, Sosso D, Ducat DC, Hou B & Frommer WB(2013). Functional role of oligomerization for bacterial and plant SWEET sugar transporter family. Proc Natl Acad Sci USA. 110(39):E3685-3694

Prizes, awards, honors:

- Excellent supervisor of master degree thesis of Chinese Society of Plant Nutrition and Fertilizer Sciences in 2017.
- Excellent visiting scholar of Nanjing Agricultural University in 2013.
- First-class of the Professor Huang Rui Cai Teaching Award in 2009.
- Second-class of “DIAO” Award of Chinese Academy of Sciences for graduate students in 1997.