

PERSONAL:

Name: **Liqin Huang**
Department: Department of Chemistry, College of Science
Gender: Female
Degree: M.S.
Title: Associate Professor
Major: Bioorganic Chemistry; Pesticide Science
Graduated University: Nanjing Agricultural University, China
Research Field: Using bioorganic chemical approach to study the biological functions of small molecule chemicals (including hemin and gaseous molecules, etc) in plants; enzymatic resolution for pesticide synthesis.
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BRIEF INTRODUCTION:

Associate Prof. Huang Liqin received her M.S.A. in the Department of Chemistry, College of Science, Nanjing Agricultural University in 2002.

PROJECTS UNDERTAKEN:

- (2) National Natural Science Foundation of China (31772292);
- (1) National Natural Science Foundation Youth Project (31201617);

TEACHING INFORMATION:

Organic Chemistry, Experimental Organic Chemistry, Empirical Chemistry II

PUBLICATIONS:

- (6) Mei Y.D., Chen H.T., Shen W.B., Shen W., **Huang L.Q.** Hydrogen peroxide is involved in hydrogen sulfide-induced lateral root formation in tomato seedlings. *BMC Plant Physiol* 2017, 17, 162-173.
- (5) Cui W.T., Zhu D, Shen W.B., Mei Y.D., Hu D.K., Shi Y.J., Ren Y., Shen W., Gu Q., Xu D.K., **Huang L.Q.** Hydrogen peroxide is involved in β -cyclodextrin-hemin complex-induced lateral root formation in tomato seedlings. *Front Plant Sci*, 2017, 8, 1445-1456.
- (4) Zhu D., Mei Y. D., Shi Y. J., Hu D. K., Ren Y., Gu Q., Shen W. B., Chen X., Xu L. X., **Huang L.Q.** Involvement of glutathione in β -cyclodextrin-hemin complex-induced lateral root formation in tomato seedlings. *J Plant Physiol*, 2016, 204, 92-100.
- (3) Li J. L., Zhu D., Wang R., Shen W. B., Guo Y. Y., Ren Y., Shen W., **Huang L.Q.** β -Cyclodextrin-hemin complex-induced lateral root formation in tomato: Involvement of nitric oxide and heme oxygenase 1. *Plant Cell Reports*, 2015, 34, 381-393.
- (2) Lin Y. T., Li M. Y., **Huang L. Q.**, Shen W. B., Ren Y. Involvement of heme oxygenase-1 in beta-cyclodextrin-hemin complex-induced cucumber adventitious rooting process. *Plant Cell Reports*, 2012, 31(9), 1563-1572.
- (1) **Huang L. Q.**, Chen D.W., Yang H. Enzymatic resolution of methyl (\pm)-*N*-(2,6-dimethylphenyl)alanine. *Chinese Journal of Organic Chemistry*, 2005, 25(12), 1573-1579.