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麻浩 博士后，教授，博士生导师。中国作物学作物种子专业委员会副主任，农业推广硕士种业领域协作组副组长，中国植物学会种子科学与技术专业委员会理事。

长期从事作物种质资源学、品质改良和精深加工利用、种子学、植物耐逆分子生物学等方面的研究和教学工作。在作物蛋白亚基含量、异黄酮、脂肪氧合酶、种子劣变、抗旱性、耐盐性等特异种质发掘、新材料创制、遗传研究、机理阐明等方面取得显著进展。先后主持或参与承担农业跨越计划、“863”、“973”、“十一五”国家重大支撑项目、“948”、国家自然科学基金、科技部农业科技成果转化基金等国家、省部级科研项目20多项；主编或参编教材5本，参编专著1本，在国内外期刊上发表科研论文80余篇；主持或参与育成作物品种5个，参与申请大豆新品种权1个，累计推广了1000多万亩；申请国际、国家发明专利10多项，已获授权4项。克隆与品质、抗逆性状相关的基因近30个；在NCBI中登录抗旱EST序列7000多条。先后获省级科研奖励4项、获国家级、省部级先进个人奖励5次。

近期主要论著（*通讯作者）：

1. Wang LQ, Ma H*, Song LR, Shu YJ, Gu WH. Comparative proteomics analysis reveals the mechanism of pre-harvest seed deterioration of soybean under high temperature and humidity stress. *Journal of Proteomics*, 2012, doi:10.1016/j.jprot.2012.01.007 (SCI)
2. Ma HY, Song LR, Shu YJ, Wang S, Niu J, Wang ZK, Yu T, Gu WH, Ma H*. Comparative proteomic analysis of seedling leaves of different salt tolerant soybean genotypes. *Journal of Proteomics*, 2012, 75:1529-1546 (SCI)
3. Jia YY, Gu HY, Wang XS, Chen QJ, Shi SB, Zhang JS, Ma L, Zhang H, Ma H*. Molecular cloning and characterization of an F-box family gene CarF-box1 from Chickpea (*Cicer arietinum* L.). *Molecular Biology Reports*, 2012, 39: 2337-2345 (SCI)
4. Gu HY, Jia YY, Wang XS, Chen QJ, Shi SB, Ma L, Zhang JS, Zhang H, Ma H*. Identification and characterization of a LEA family gene CarLEA4 from chickpea (*Cicer arietinum* L.). *Molecular Biology Reports*, 2011, DOI 10.1007/s11033-011-1130-6 (SCI)
5. Ma HY, Yang RF, Wang ZK, Yu T, Jia YY, Gu HY, Ma H*. Screening of salinity tolerant jute (*Corchorus capsularis*) genotypes via phenotypic and physiology-assisted procedures. *Pakistan Journal of Botany*, 2011, 43(6): 2655-2660 (SCI)
6. Peng H, Cheng H Y, Yu X W, Shi Q H, Zhang H, Li J G, Ma H*. Molecular analysis of an actin gene, CarACT1, from chickpea (*Cicer arietinum* L.). *Molecular Biology Reports*, 2010, 37: 1081-1088 (SCI)
7. Peng H, Yu X W, Cheng H Y, Shi Q H, Zhang H, Li J G, Ma H*. Cloning and characterization of a novel NAC family gene CarNAC1 from chickpea (*Cicer arietinum* L.). *Molecular Biotechnology*, 2010, 44(1): 30-40 (SCI)
8. Gao W R, Wang X S, Li J G, Zhang J S, Ma H*. Physicochemical and processing functional properties of proteins from two Chinese chickpea (*Cicer arietinum* L.) cultivars. *Journal of Processing and Preservation*, 2010, 34: 575-594 (SCI)
9. Wang X S, Gao W R, Zhang J S, Zhang H, Li J G, He X L, Ma H*. Subunit, amino acid composition

and in vitro digestibility of protein isolates from Chinese kabuli and desi chickpea (*Cicer arietinum* L.) cultivars. *Food Research International*, 2010, 43: 567–572 (SCI)

10. Hao X Y, Li J G, Shi Q H, Zhang J S, He X L, Ma H*. Characterization of a novel legumin α -amylase inhibitor from chickpea (*Cicer arietinum* L.) seeds. *Bioscience, Biotechnology, Biochemistry*, 2009, 73: 1–3 (SCI)

11. Peng H, Cheng H Y, Chen C, Yu X W, Yang J N, Gao W R, Shi Q H, Zhang H, Li J G, Ma H*. A NAC transcription factor gene of Chickpea (*Cicer arietinum* L.), CarNAC3, is involved in drought stress response and various developmental processes. *Journal of Plant Physiology*, 2009, 166: 1934–1945 (SCI)

12. Peng H, Cheng H Y, Yu X W, Shi Q H, Zhang H, Li J G, Ma H*. Characterization of a chickpea (*Cicer arietinum* L.) NAC family gene, CarNAC5, which is both developmentally and stress-regulated. *Plant Physiology and Biochemistry*, 2009, 47: 1037–1045 (SCI)

13. Liu C, Wang X S, Ma H*, Zhang Z Q, Gao W R, Xiao L. Functional properties of protein isolates from soybeans stored under various conditions. *Food Chemistry*, 2008, 111: 29–37 (SCI)

14. Xiang X L, Yang L Y, Hua S, Li W, Sun Y, Ma H, Zhang J S, Zeng X X. Determination of oligosaccharide contents in 19 cultivars of chickpea (*Cicer arietinum* L.) seeds by high performance liquid chromatography. *Food Chemistry*, 2008, 111: 215–219 (SCI)

15. Gao W R, Wang X S, Liu Q Y, Peng H, Chen C, Li J G, Zhang J S, Hu S N, Ma H*. Comparative analysis of ESTs in response to drought stress in chickpea (*Cicer arietinum* L.). *Biochemical and Biophysical Research Communications*, 2008, 376: 578–583 (SCI)

16. Liu C, Wang H L, Cui Z M, He X L, Wang X S, Zeng X X, Ma H*. Optimization of extraction and isolation for 11S and 7S globulins of soybean seed storage protein. *Food Chemistry*, 2007, 102: 1310–1316 (SCI)