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研究方向：农产品无损检测、贮藏与加工

个人简介：

南京农业大学食品科技学院，教授、博导。1998 年于比利时鲁汶大学获得博士学位，1999.1-2000.12 日本爱媛大学农学部特别研究员（JSPS）。2001 年起受聘教授，工作于南京农业大学。主要从事农畜产品检测、贮藏与加工等方面的科研工作。现任中国农学会农产品贮藏加工分会常务理事、中国农业工程学会高级会员、美国 ASABE 会员。主持承担国家自然科学基金项目、科技部“863”项目、科技部“十三五”重点研发项目子课题、教育部“新世纪优秀人才支持计划”项目、农业部“948”项目、农业行业公益项目、江苏省自然科学基金重点项目、江苏省农业支撑项目等。入选教育部“新世纪人才”和江苏省“青蓝工程”学术带头人。受国家留学基金委资助先后赴美国、澳大利亚高访。近 5 年以来，已在国内外核心杂志和国际会议上发表了 60 多篇论文，其中 SCI 收录 20 多篇，专著 2 本。主编本科教材《食品物流学》、《食品物性学》、《食品科学导论》、《食品专业英语》。授权发明专利 10 项，获得国家软件著作权 12 项。获得食品工业协会科技奖特等奖和江苏省科技进步三等奖（2014，均排名第一）。

科研情况：

目前承担国家自然科学基金“基于高光谱和电子鼻检测水果采后真菌病害的信息基础和机理研究”（31671925）、“十三五”重点研发计划子课题等。



科研成果:

Leiqing Pan, Wei Zhang, Na Zhu, Shubo Mao, Kang Tu*. Early detection and classification of pathogenic fungal disease in post-harvest strawberry fruit by electronic nose and gas chromatography--mass spectrometry[J]. Food Research International, 2014, 62: 162-168.

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Ge Zhan , Leiqing Pan, Kang Tu*, Shunshan Jiao; Antitumor, antioxidant and nitrite-scavenging effects of Chinese water chestnut (*Eleocharis dulcis*) peel flavonoids. Journal of Food Science, 2016, Vol 81, Issue 10, 2577 –2585.

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Hu, Haijiang; Pan, Leiqing; Sun, Ke; Tu, Sicong; Sun, Ye; Wei, Yingying; Tu, Kang*, Differentiation of deciduous-calyx and persistent-calyx pears using hyperspectral reflectance imaging and multivariate analysis. COMPUTERS AND ELECTRONICS IN AGRICULTURE, 2017, 137:150-156

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D. Zhou, Z. Wang, M. Li, M. Xing, T. Xian and K. Tu*, 2018, Carvacrol and eugenol effectively inhibit *Rhizopus stolonifer* and control postharvest soft rot decay in peaches, Journal of Applied Microbiology, 124, 166—178

Qiang Liu, Nan Zhao, Dandan Zhou, Ye Sun, Ke Sun, Leiqing Pan, Kang Tu*, 2018. Discrimination and growth tracking of fungi contamination in peaches using electronic nose. Food chemistry, 2018, Volume 262, 226-234, Food Chemistry.