



所属学院 生物工程学院

学科领域 食品生物技术

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个人简介

1992–1996 华东理工大学能源化工系煤化工专业工学学士
1997–2000 华东理工大学生物工程学院生物化工专业工学硕士
2000–2003 华东理工大学生物工程学院生物化工专业工学博士
2003–2005 西班牙最高科学理事会，生物研究中心，博士后
2005– 华东理工大学生物工程学院食品科学与工程系，教师

研究方向

食品发酵技术、食品酶学、生物活性肽与人类健康、益生菌与人类健康

研究成果及主要发表文章

Recent 5 years

- 1.Liu Y, Zhang Y, Ro K, Li H, Xie J*, Wei D*. Gastrointestinal survival and potential bioactivities of *Lactobacillus curiae* CCTCC M2011381 in the fermentation of plant food. *Process Biochemistry*. 2019, DOI: 10.1016/j.procbio.2019.10.008 .
- 2.Wu J, Xie D, Chen X, Tang Y-J, Wang L, Xie J*, Wei D*. Inhibitory mechanism of a substrate-type angiotensin I-converting enzyme inhibitory peptide. *Process Biochemistry*. 2019 Apr, 79: 97-104.
3. Xie J*, Chen X, Wu J, Zhang Y, Zhou Y, Zhang L, Tang Y-J, Wei D*. Antihypertensive effects, molecular docking study, and isothermal titration calorimetry assay of angiotensin I-converting enzyme inhibitory peptides from *Chlorella vulgaris*. *Journal of Agricultural and Food Chemistry*. 2018 Feb, 66: 1359-1368
- 4.Guo M#, Chen X#, Wu J, Zhang L, Huang W, Yuan Y, Fang M, Xie J*, Wei D*. Angiotensin I-converting enzyme inhibitory peptides from *Sipuncula* (*Phascolosoma esculenta*). *Process Biochemistry*. 2017 Dec, 63: 84-95
5. Zhu Q, Chen X, Wu J, Zhou Y, Qian Y, Fang M, Xie J*, Wei D. Dipeptidyl peptidase IV Inhibitory peptides from *Chlorella vulgaris*: In silico gastrointestinal hydrolysis and molecular mechanism. *European Food Research and Technology*. 2017 Oct, 243(10): 1739-1748
- 6.Zhang J, Zhao L, Gao B, Wei W, Wang H, Xie J*. Protopectinase production by *Paenibacillus polymyxa* Z6 and its application in pectin extraction from apple pomace. *Journal of Food Processing and Preservation*. 2017 Jun, 42(1): e13367
- 7.Yang Y, Sun J, Wu J, Zhang L, Du L, Matsukawa S, Xie J*, Wei D. Characterization of a novel α -L-arabinofuranosidase from *Ruminococcus albus* 7 and rational design for its thermostability. *Journal of Agricultural and Food Chemistry*. 2016 Dec, 64 (40): 7546–7554
- 8.Lang C, Yang R, Yang Y, Zhao L, Gao B, Wei W, Wang H, Matsukawa S, Xie J*, Wei D. An acid-adapted endo- α -1,5-L-arabinanase for pectin releasing. *Applied Biochemistry and Biotechnology*. 2016 Nov, 180 (5): 900-916
- 9.Zhu Q#, Qian Y#, Yang Y, Wu W, Xie J*, Wei D. Effects of carbonyl iron powder on iron deficiency anemia and its subchronic toxicity. *Journal of Food and Drug Analysis*. 2016 Oct, 24 (4): 746-753
- 10.Wang Y, Wang Y, Lang C, Wei D, Xu P, Xie J*. Genome sequence of *Lactobacillus curiae* CCTCC M 2011381T, a novel producer of gamma-aminobutyric acid. *Genome Announcements*. 2015, 3(3):e00552-15.
- 11.Yang Y, Zhang L, Guo M, Sun J, Matsukawa S, Xie J*, Wei D. Novel α -L-arabinofuranosidase from *Cellulomonas fimi* ATCC 484 and its substrate-specificity analysis with the aid of computer. *Journal of Agricultural and Food Chemistry*. 2015 Apr, 63(14):3725-3733.
- 12.Chen M, Lei X, Chen C, Zhang S, Xie J*, Wei D. Cloning, overexpression and characterization of a highly active endoinulinase gene from *Aspergillus fumigatus* CL1 for production of inulo-oligosaccharides. *Applied Biochemistry and Biotechnology*. 2015 Jan, 175(2):1153-1167.