

Xu You-Hua



Position : Associate Professor / Assistant Dean

Faculty : Faculty of Chinese Medicine;
State Key Laboratory of Quality
Research in Chinese Medicine

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Teaching and Research Areas :

Teaching Area

Pathology; Pharmacology; Surgery of Western Medicine;
Advances in Integrative Chinese and Western Medicine
Research; Food Toxicology

Research Area

Herbal Pharmacology; Molecular Pharmacology; Diabetic
Research

Academic Qualifications

- 2009 - 2012 Ph.D / Chinese Medicines / Macau University of Science and Technology
- 2006 - 2009 Master of Medicine / Pharmacology (State Key Discipline) / Nanjing Medical University
- 2001 - 2006 Bachelor of Medicine / Clinical Medicine / Wuhan University of Science and Technology
- 2002 - 2006 Bachelor of Art / English / Wuhan University of Science and Technology

Teaching Experiences

- 2022.1 - Present Assistant Dean / Faculty of Chinese Medicine / Macau University of Science and Technology
- 2020.9 - 2022.1 Program Coordinator / Faculty of Chinese Medicine / Macau University of Science and Technology
- 2019.7 - Present Associate Professor / Faculty of Chinese Medicine / Macau University of Science and Technology
- 2012.9 – 2019.6 Assistant Professor / Faculty of Chinese Medicine / Macau University of Science and Technology
- 2009.4 – 2009.7 Research Fellow / Department of research and development / WuXi AppTec Co. Ltd.

Representative Publications

Journal Articles (*Corresponding author):

- 94). Dong RX, **Xu YH***. Glomerular Cell Cross-talk in Diabetic Kidney Diseases. *Journal of Diabetes*. 2022 August 2; DOI:10.1111/1753-0407.13304.
[SCI impact factor 2021: 4.53, ranked the 63rd in 146 journals (43.15 %) of category ENDOCRINOLOGY & METABOLISM].
- 93). Geng K, Ma X, Jiang Z, Gu J, Huang W, Wang W, Xu Y*, **Xu YH***. WDR74 facilitates TGF- β /Smad pathway activation to promote M2 macrophage polarization and diabetic foot ulcer wound healing in mice. *Cell Biology and Toxicology*. 2022; DOI : 10.1007/s10565-022-09748-8.
[SCI impact factor 2021: 6.819, ranked the 9th in 94 journals (9.57 %) of category TOXICOLOGY].
- 92). Zhao T, Li M, Xiang Q, Lie B, Chen D, Wang W, Li X, Xu T, Zhang X, Li

INTEGRATIVE & COMPLEMENTARY MEDICINE].

86). Liu B, Zhao T, Li Y, Han Y, **Xu YH**, Yang H, Wang S, Zhao Y*, Li P, Wang Y*.

INTEGRATIVE & COMPLEMENTARY MEDICINE].

- 78). Xu M, Feng T, Liu B, Qiu F, **Xu YH**, Zhao Y*, Zheng Y*. Engineered exosomes: desirable target-tracking characteristics for cerebrovascular and neurodegenerative disease therapies. *Theranostics*. 2021 Aug 18;11(18):8926-8944. doi: 10.7150/thno.62330.
[SCI impact factor 2021: 11.6, ranked the 13th in 139 journals (9.35%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 77). Wang Z, Li XL, Hong KF, Zhao TT, Dong RX, Wang WM, Li YT, Zhang GL, Lin J, Gui DK*, **Xu YH***. Total flavonoids of Astragalus Ameliorated Bile Acid Metabolism Dysfunction in Diabetes Mellitus. *Evid Based Complement Alternat Med*. 2021 Apr 12;2021:6675567. doi: 10.1155/2021/6675567. eCollection 2021.
[SCI impact factor 2021: 2.65, ranked the 16th in 30 journals (53.33%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 76). Weiming Wang, Tingting Zhao, Kang Geng, Gang Yuan, Yue Chen*, **Youhua Xu***. Smoking and pathophysiology of Peripheral artery disease. *Frontiers in Cardiovascular Medicine-Atherosclerosis and Vascular Medicine*. 2021 Aug 27;8:704106. doi: 10.3389/fcvm.2021.704106.
[SCI impact factor 2021: 5.846, ranked the 43rd in 143 journals (30.07%) of category CARDIAC & CARDIOVASCULAR SYSTEMS].
- 75). Yaochen Chuang, Iatkiio Van*, Yonghua Zhao, **Youhua Xu***. Icariin Ameliorate Alzheimer's Disease by Influencing SIRT1 and Inhibiting A β cascade Pathogenesis. *Journal of Chemical Neuroanatomy*. 2021 Nov;117:102014. doi: 10.1016/j.jchemneu.2021.102014.
[SCI impact factor 2021: 3.097, ranked the 190th in 274 journals (69.34%) of category NEUROSCIENCE].
- 74). Yuntong Li, Zhe Wang, Jing Lin, Guilin Zhang*, **Youhua Xu***. Research progress on the role of Traditional Chinese Medicine in inflammatory injury of COVID-19 (in Chinese). *Chin Sci Bull*, 2021, 66(26): 3377-3384, doi: 10.1360/TB-2020-1620 [*In Chinese*]
, 2021, 66(26): 3377-3384. doi: 10.1360/TB-2020-1620.
- 73). Qian Bai, Yaochen Chuang, Yonghua Zhao, Yao Wang, Pu Ge, **Youhua Xu***, and Ying Bian*. The Correlation between Demographical and Lifestyle Factors and Traditional Chinese Medicine Constitution among Macau Elderly Individuals. *Evidence-Based Complementary and Alternative Medicine*. 2021;19 April. Article ID 5595235 | <https://doi.org/10.1155/2021/5595235>.
[SCI impact factor 2021: 2.65, ranked the 16th in 30 journals (53.33%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 72). Kang Geng, Xiumei Ma, Zongzhe Jiang, Wei Huang, Chenlin Gao, Yueli Pu, Lifang Luo, **Youhua Xu***, Yong Xu*. Innate Immunity in Diabetic Wound Healing: Focus on the Mastermind Hidden in Chronic Inflammation. *Frontiers in Pharmacology*. 2021;21 April <https://doi.org/10.3389/fphar.2021.653940>.
[SCI impact factor 2021: 5.988, ranked the 50th in 279 journals (17.92%) of category PHARMACOLOGY & PHARMACY].
- 71). Yinyan Xu, Hengli Guo, Tingting Zhao, Jing Fu*, **Youhua Xu***. Mulberroside A from Cortex Mori Enhanced Gut Integrity in Diabetes. *Evidence-Based Complementary and Alternative Medicine*. 2021 May 20;2021:6655555. doi: 10.1155/2021/6655555. eCollection 2021.
[SCI impact factor 2021: 2.65, ranked the 16th in 30 journals (53.33%) of category

INTEGRATIVE & COMPLEMENTARY MEDICINE].

- 70). Jun Su, Chongting Gao, Ling Xie, Ying Fan, Yilan Shen, Qunwei Huang, Niansong Wang, **Youhua Xu***, Nizhi Yang*, Dingkun Gui*. Astragaloside II Ameliorated Podocyte Injury and Mitochondrial Dysfunction in Streptozotocin-Induced Diabetic Rats. *Frontiers in Pharmacology*. 2021 Mar 16;12:638422. doi: 10.3389/fphar.2021.638422. eCollection 2021. [SCI impact factor 2021: 5.988, ranked the 50th in 279 journals (17.92%) of category PHARMACOLOGY & PHARMACY].
- 69). Zhuo Zhang, Yaochen Chuang, Xinyu Ke, Ji Wang, **Youhua Xu**, Yonghua Zhao*, Ying Bian*. The influence of TCM constitutions and neurocognitive function in elderly Macau individuals. *Chinese Medicine*. 2021 Apr 13;16(1):32. doi: 10.1186/s13020-021-00441-2. [SCI impact factor 2021: 4.546, ranked the 6th in 30 journals (20%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 68). Dan Tang, Wei Xiao, Wen-Ting Gu, Zhi-Tong Zhang, Shu-Hong Xu, Zhi-Quan Chen, **You-Hua Xu**, Lu-Yong Zhang, Shu-Mei Wang*, Hong Nie*. Pterostilbene prevents methylglyoxal-induced cytotoxicity in endothelial cells by regulating glyoxalase, oxidative stress and apoptosis. *Food and Chemical Toxicology*. 2021 Jul;153:112244. doi: 10.1016/j.fct.2021.112244. Epub 2021 Apr 27. [SCI impact factor 2021: 5.572, ranked the 15th in 94 journals (15.96%) of category TOXICOLOGY].
- 67). Wenjun Gan, Chenlin Gao, Wenqian Zhang, Junling Gu, Tingting Zhao, Hengli Guo, Hua Zhou, Yong Xu, Lili Yu, Lifang Li, Dingkun Gui**, **Youhua Xu***. Kuwanon G promoted Acetylcholine production in advanced glycation end products-induced HT22 cells. *Experimental and Therapeutic Medicine*. 2021 May;21(5):425. doi: 10.3892/etm.2021.9869. Epub 2021 Feb 25. [SCI impact factor 2021: 2.751, ranked the 105th in 139 journals (top 75.54%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 66). Tingting Zhao, Zhe Wang, Zhilong Liu, **Youhua Xu***. Pivotal Role Of The Interaction Between Herbal Medicines And Gut Microbiota On Disease Treatment. *Current Drug Target*. *Current Drug Targets*. 2021;22(3):336-346. doi: 10.2174/1389450121666200324151530. [SCI impact factor 2021: 2.937, ranked the 183rd in 279 journals (top 65.59%) of category PHARMACOLOGY & PHARMACY].

Signaling. *Oxidative Medicine and Cellular Longevity*. 2020 Aug 1;2020:4074832. doi: 10.1155/2020/4074832.

[SCI impact factor 2020: 6.543, ranked the 54th in 195 journals (top 27.69%) of category CELL BIOLOGY].

- 62). Xie L, Zhai R, Chen T, Gao C, Xue R, Wang N, Wang J*, **Xu Y**, Gui D*. Panax notoginseng ameliorates podocyte EMT by targeting the Wnt/ β -catenin signaling pathway in STZ-induced diabetic rats. *Drug Design Development and Therapy*. 2020 Feb 5;14:527-538.
[SCI impact factor 2020: 4.162, ranked the 100th in 275 journals (top 36.36%) of category PHARMACOLOGY & PHARMACY].
- 61). Xue R, Zhai R, Xie L, Zheng Z, Jian G, Chen T, Su J, Gao C, Wang N, Yang X*, **Xu Y***, Gui D*. Xuesaitong protects podocytes from apoptosis in diabetic rats through modulating PTEN-PDK1-Akt-mTOR pathway. *Journal of Diabetes Research*. 2020 Jan 21;2020:9309768.
[SCI impact factor 2020: 4.011, ranked the 90th in 186 journals (top 48.39%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 60). Xia ZY, Luo C, Liu BW, Bian XQ, Li Y, Pang AM, **Xu YH**, Tan HM*, Zhao YH*. Shengui Sansheng Pulvis maintains blood-brain barrier integrity by vasoactive intestinal peptide after ischemic stroke. *Phytomedicine*. 2020 Feb;67:153158.
[SCI impact factor 2020: 5.340, ranked the 3rd in 29 journals (10.34%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 59). Wenqian Zhang, Tingting Zhao, Yonghua Zhao, Dingkun Gui, **Youhua Xu***. Advanced Glycation End Products in Chinese Medicine Mediated Aging Diseases: A Review. *Current Vascular Pharmacology*. 2020;18:322-333.
[SCI impact factor 2020: 2.719, ranked the 40th in 65 journals (top 61.54%) of category PERIPHERAL VASCULAR DISEASE].
- 58). Gao C, Rao M, Huang W, Wan Q, Yan P, Long Y, Guo M, **Xu YH***, Xu Y*. Resistant starch ameliorated insulin resistant in patients of type 2 diabetes with obesity: a systematic review and meta-analysis. *Lipids in Health and Disease*. 2019 Nov 24;18(1):205.
[SCI impact factor 2019: 2.906, ranked the 47th in 89 journals (top 52.81%) of category NUTRITION & DIETETICS].
- 57). Junling Gu, Man Guo, Yong Xu*, **Youhua Xu**. Diabetic kidney disease: recent advances in treatment. *Chinese Journal of Diabetes Mellitus*. 2019;11(10):645-648. [In Chinese]
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2019;11(10):645-648.
- 56). Junling Gu, Wei Huang, Wenqian Zhang, Tingting Zhao, Chenlin Gao, Wenjun Gan, Mingyue Rao, Qing Chen, Man Guo, Yong Xu*, **You-Hua Xu***. Sodium butyrate alleviates high-glucose-induced renal glomerular endothelial cells damage via inhibiting pyroptosis. *International Immunopharmacology*. 2019 Oct;75:105832.
[SCI impact factor 2019: 3.943, ranked the 63rd in 270 journals (top 23.33%) of category PHARMACOLOGY & PHARMACY].
- 55). Wenqian Zhang, Tingting Zhao, Dingkun Gui, Chenlin Gao, Junling Gu, Wenjun Gan, Wei Huang, Yong Xu, Hua Zhou, Weini Chen, Zhilong Liu*, **Youhua Xu***. Sodium Butyrate Improves Liver Glycogen Metabolism in Type 2 Diabetes Mellitus. *Journal of Agricultural and Food Chemistry*. 2019 Jul 10;67(27):7694-7705.
[SCI impact factor 2019: 4.192, ranked the 4th in 58 journals (top 6.90%) of category AGRICULTURE, MULTIDISCIPLINARY].

- 54). Chenlin Gao, Chen Jiao, Fang Fan, Yang Long, Shi Tang, Jiang Chunxia, Jiying Wang, **Youhua Xu***, and Yong Xu*. RIPK2-mediated autophagy and negatively-regulated ROS-NLRP3 inflammasome signaling in GMCs stimulated with high glucose. *Mediators of Inflammation*. 2019;2019:6207563.
[SCI impact factor 2019: 3.758, ranked the 63rd in 158 journals (top 39.87%) of category IMMUNOLOGY].
- 53). Tang D, Cao DM, Tan LF, **Xu YH**, Duan TT, Zhu Q*, Wang SM*. Simultaneous determination of 8 bioactive isoflavonoids in Astragali Radix by UHPLC equipped with core-shell column. *China Journal of Chinese Materia Medica*. 2019 Apr;44(7):1410-1415. [In Chinese]
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- Apr;44(7):1410-1415.
- 52). Zhai RN, Jian GH, Chen T, Xie L, Xue R, Gao CT, Wang NS*, **Xu YH***, Gui DK*. Astragalus membranaceus and Panax notoginseng, the novel renoprotective compound, synergistically protect against podocyte injury in streptozotocin-induced diabetic rats. *Journal of Diabetes Research*. 2019 Apr 16;2019:1602892.
[SCI impact factor 2019: 2.965, ranked the 72nd in 138 journals (top 52.17%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 51). Zheng ZG, **Xu YH**, Liu F, Zhao TT, Wang RX, Huang PY, Wang RS, Yang AP, Zhu Q*. Screening bioactive components of *Glycyrrhiza uralensis Fisch.* with isolated perfused lung extraction and HPLCESI-MSn analysis. *Journal of Pharmaceutical and Biomedical Analysis*. 2019;169:127-132.
[SCI impact factor 2019: 3.209, ranked the 26th in 86 journals (top 30.23%) of category CHEMISTRY, ANALYTICAL].
- 50). Zhu TT, Wang HL, Zhong X, Huang W, Deng X, Guo HL, Xiong JF, **Xu YH***, Fan JM*. Rg1 attenuates High Glucose-induced Endothelial Barrier Dysfunction in the HUVECs by protecting the endothelial glycocalyx. *Experimental and Therapeutic Medicine*. 2019;17:3727-3733.
[SCI impact factor 2019: 1.785, ranked the 105th in 138 journals (top 76.09%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 49). Tang D*, Zhu JX, Nie H, He B, **Xu YH**, Zhu Q*. Simple and efficient approach for enrichment of major isoflavonoids from Astragalus membranaceus with macroporous resins and their nephroprotective activities. *Industrial Crops and Products*. 2018;125:276-283.
[SCI impact factor 2018: 4.191, ranked the 3rd in 89 journals (top 3.37%) of category AGRONOMY].
- 48). **Xu YH***, Gao CL, Guo HL, Zhang WQ, Huang W, Tang SS, Gan WJ, Xu Y, Zhou H, Zhu Q. Sodium Butyrate Supplementation Ameliorates Diabetic Inflammation in db/db Mice. *Journal of Endocrinology*. 2018;238(3):231-244.
[SCI impact factor 2018: 4.381, ranked the 31st in 145 journals (top 21.38%) of category ENDOCRINOLOGY & METABOLISM].
- 47). Deng X, Huang W, Peng J, Zhu TT, Sun XL, Zhou XY, Yang H, Xiong JF, He HQ, **Xu YH***, He YZ*. Irisin alleviates advanced glycation end products-induced inflammation and endothelial dysfunction via inhibiting ROS-NLRP3 inflammasome signaling. *Inflammation*. 2018;41(1):260-275.
[SCI impact factor 2018: 2.939, ranked the 92nd in 158 journals (top 58.23%) of category IMMUNOLOGY].

- 46). Tang D, Shen YB, Wang ZH, He B, **Xu YH**, Nie H*, Zhu Q*. Rapid Analysis and Guided Isolation of Astragalus Isoflavonoids by UHPLC-DAD-MSn and Their Cellular Antioxidant Defense on High Glucose Induced Mesangial Cells Dysfunction. *Journal of Agricultural and Food Chemistry*. 2018;66(5):1105-1113.
[SCI impact factor 2018: 3.571, ranked the 3rd in 57 journals (top 5.26%) of category AGRICULTURE, MULTIDISPLINARY].
- 45). Zhou LP, Huang W, **Xu YH**, Gao CL, Zhang T, Guo M, Liu Y, Ding JY, Qin LD, Xu ZH, Yang L, Xu Y*. Sweet taste receptors mediated ROS-NLRP3 inflammasome signaling activation: implications for diabetic nephropathy. *Journal -*

[SCI impact factor 2017: 3.582, ranked the 14th in 53 journals (26.42%) of category GERIATRICS & GERONTOLOGY].

- 37). Huang W, Guo HL, Deng X, Zhu TT, Xiong JF, **Xu YH***, Xu Y*. Short-chain fatty acids inhibit oxidative stress and inflammation in mesangial cells induced by high glucose and lipopolysaccharide. *Experimental and Clinical Endocrinology & Diabetes*. 2017;125:98-105.
[SCI impact factor 2017: 1.623, ranked the 120th in 142 journals (84.51%) of category ENDOCRINOLOGY & METABOLISM].
- 36). Li YH, Huang W, **Xu YH**, Zhou LP, Liang YL, Gao CL, Yang L, Xu Y*. CYLD deubiquitinase negatively regulates high glucose-induced NF-κB inflammatory signaling in mesangial cells. *BioMed Research International*. 2017;2017:3982906.
[SCI impact factor 2017: 2.583, ranked the 66th in 161 journals (40.99%) of category BIOTECHNOLOGY & APPLIED MICROBIOLOGY].
- 35). Guo HL, **Xu YH***. Role of Advanced Glycation End Products in the Progression of Diabetes Mellitus. *Global Journal of Obesity, Diabetes and Metabolic Syndrome*. 2017;4(1): 024-035.
- 34). Guo HL, **Xu YH***, Huang W, Zhou H, Zheng Zg, Zhao Yh, He B, Zhu Tt, Tang Ss, Zhu Q. Kuwanon G preserves LPS-induced disruption of gut epithelial barrier in vitro. *Molecules*. 2016;21:1597. doi:10.3390/molecules21111597.
[SCI impact factor 2016: 2.861, ranked the 17th in 59 journals (28.81%) of category CHEMISTRY, ORGANIC].
- 33). [SCI impact factor 2016: 1.598, ranked the 4th in 59 journals (68.84%) of category CHEMISTRY, ORGANIC]. Zhang Q, Zhao YH*, **Xu YH**, Chen ZW, Liu NW, Ke CC, Liu BW, Wu WK. Sodium ferulate and n-butylidenephthalate combined with bone marrow stromal cells (BMSCs) improve the therapeutic effects of angiogenesis and neurogenesis after rat focal cerebral ischemia. *Journal of Translational Medicine*. 2016;14:223.
[SCI impact factor 2016: 3.786, ranked the 30th in 128 journals (23.44%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 32). Zhao YH*, Zhang Q, Chen ZW, Liu NW, Ke CC, **Xu YH**, Wu WK. Simvastatin combined with bone marrow stromal cells treatment activates astrocytes to ameliorate neurological function after ischemic stroke in rats. *Turkish Journal of Biology*. 2016;40:519-528.
[SCI impact factor 2016: 1.038, ranked the 58th in 85 journals (68.24%) of category BIOLOGY].
- 31). **Xu YH***, Xiong JF, Zhao YH, He B, Zheng ZG, Chu GJ, Zhu Q*. Calycosin re-balances advanced glycation end products-induced glucose uptake dysfunction of hepatocyte in vitro. *American Journal of Chinese Medicine*. 2015;43(6):1191-1210.
[SCI impact factor 2015: 2.959, ranked the 3rd in 24 journals (12.50%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 30). **Xu YH***, Xiong JF, Wang SS, Tang D, Wang RS, Zhu Q. Calycosin entered HUVECs and ameliorated AGEs- - *Journal of*

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- 28). Xiong JF, Xu YH*, Zhu Q. Anti-Inflammation effects of Radix Astragali Plays an Important Role in Ameliorating Type 2 Diabetes Mellitus. *Global Journal of Obesity, Diabetes and Metabolic Syndrome*. 2014;1(1):030-034.
- 27). Lin J, Zuo GY*, Xu YH*, Xiong JF, Zheng ZG, Wang SS, Zhu Q. Estrogen Reduces Advanced Glycation End Products Induced HUVEC Inflammation Via NF-kappa B Pathway. *Latin American Journal of Pharmacy*. 2014;33(1): 93-100.
[SCI impact factor 2014: 0.372, ranked the 247th in 255 journals (96.86%) of category PHARMACOLOGY & PHARMACY].
- 26). Zhao YH*, Lai W, Xu YH, Li LM, Chen ZW, Wu WK. Exogenous and endogenous therapeutic effects of combination Sodium Ferulate and bone marrow stromal cells (BMSCs) treatment enhance neurogenesis after rat focal cerebral ischemia. *Metabolic Brain Disease*. 2013;28(4):655-66.
[SCI impact factor 2013: 2.398, ranked the 72th in 124 journals (58.06%) of category ENDOCRINOLOGY & METABOLISM].
- 25). Wu AG, Duan TT, Tang D, Xu YH, Feng L, Zheng ZG, Zhu JX, Wang RS, Zhu Q*. Determination of Nitric Oxide-Derived Nitrite and Nitrate in Biological Samples by HPLC Coupled to Nitrite Oxidation. *Chromatographia*. 2013;76:1649-1655.
[SCI impact factor 2013: 1.370, ranked the 49th in 76 journals (64.47%) of category CHEMISTRY, ANALYTICAL].
- 24). Tang D*, Zhu JX, Wu AG, Xu YH, Duan TT, Zheng ZG, Wang RS, Li D, Zhu Q*. Pre-column incubation followed by fast liquid chromatography analysis for rapid screening of natural methylglyoxal scavengers directly from herbal medicines: case study of Polygonum cuspidatum. *Journal of Chromatography A*. 2013;1286:102-110.
[SCI impact factor 2013: 4.258, ranked the 6th in 76 journals (7.89%) of category CHEMISTRY, ANALYTICAL].
- 23). Zheng ZG, Duan TT, He B, Tang D, Jia XB, Wang RS, Zhu JX, Xu YH, Zhu Q*, Feng L. Macrophage biospecific extraction and HPLC-ESI-MSn analysis for screening immunological active components in Smilacis Glabrae Rhizoma. *Journal of Pharmaceutical and Biomedical Analysis*. 2013;77:44-48.
[SCI impact factor 2013: 2.829, ranked the 22nd in 76 journals (28.95%) of category CHEMISTRY, ANALYTICAL].
- 22). Wan R, Guo R, Chen C, Jin L, Zhu C, Zhang QC, Xu YH, Li SN*. Urocortin increased LPS-induced endothelial permeability by regulating the cadherin-catenin complex via corticotrophin-releasing hormone receptor 2. *Journal of Cellular Physiology*. 2013;228(6):1295-1303.
[SCI impact factor 2013: 3.874, ranked the 14th in 81 journals (17.28%) of category PHYSIOLOGY].
- 21). Zhao YH*, Guan Y, Xu YH, Li Y, Wu WK. Sodium Ferulate combined with bone marrow stromal cell treatment ameliorating rat brain ischemic injury after stroke. *Brain Research*. 2012;1450:157-165.
[SCI impact factor 2012: 2.879, ranked the 126th in 252 journals (50.00%) of category NEUROSCIENCES].
- 20). Feng L, Xu YH, Wang SS, Au-Yeung W, Zheng ZG, Wang RS, Zhu Q*, Xiang P. Preventative effects of 4,4'-diphenylmethane-bis(methyl) carbamate isolated from cortex mori on human umbilical vein endothelial cell dysfunction induced by advanced glycation end products. *Phytotherapy Research*. 2012;26(3):412-419.
[SCI impact factor 2012: 2.068, ranked the 145th in 261 journals (55.56%) of category PHARMACOLOGY & PHARMACY].

- 19). Qin WY, He B, Bei Y Wang RS, Feng L, Xu YH, Zhu JX, Zheng ZG, Zhu Q, Nie H*. Protective Effects of Danggui Buxue Tang on a Human Umbilical Vein Endothelialcell Damage Induced by Advanced Glycation End Products. *Pharmacology & Pharmacy*. 2012;3(2):224-233.
- 18). Feng L, Xu YH, Wang SS, Au-Yeung W, Zheng ZG, Zhu Q*, Xiang P. Competitive binding between 4,4'-diphenylmethane-bis(methyl) carbamate and RAGE ligand MG-H1 on human umbilical vein endothelial cell by cell membrane chromatography. *Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences*. 2012;881-882:55-62.
[SCI impact factor 2012: 2.487, ranked the 29th in 75 journals (38.67%) of category CHEMISTRY, ANALYTICAL].
- 17). Au-Yeung W, Feng L, Xu YH, Wang SS, Wang RS, Zhu Q*, Xiang P. Comparison of anti-non small cell lung cancer compound corosolic acid in *Prunella vulgaris* L. from different regions. *China Journal of Traditional Chinese Medicine and Pharmacy*. 2012;(6):1571-1574. [In Chinese]
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- 2012;(6):1571-1574.
- 16). Wang SS, Xu YH, Feng L, Zhu Q*, He B. A PKC-beta inhibitor prompts the HUVECs apoptosis-induced by advanced glycation end products. *Pharmazie*. 2011;66(11):881-887.
[SCI impact factor 2011: 1.006, ranked the 94th in 154 journals (61.04%) of category CHEMISTRY, MULTIDISCIPLINARY].
- 15). Xu YH, Feng L, Wang SS, Zhu Q*, Xiang P, He B, Zheng ZG, Tang D, Zuo GY. Phytoestrogen calycosin-7-O-β-D-glucopyranoside ameliorates advanced glycation end products-induced HUVEC damage. *Journal of Cellular Biochemistry*. 2011;112(10):2953-2965.
[SCI impact factor 2011: 2.868, ranked the 142th in 290 journals (48.97%) of category BIOCHEMISTRY & MOLECULAR BIOLOGY].
- 14). Xu YH, Feng L, Wang SS, Zhu Q*, Zheng ZG, Xiang P, He B, Tang D. Calycosin protects HUVECs from advanced glycation end products-induced macrophage infiltration. *Journal of Ethnopharmacolog*. 2011;137(1):359-

- 10). Zhao YH*, Xu YH, Guan Y, Xiang P. Effects of Yinian Jiangya Decoction containing serum on cytokines secretion of vascular endothelium of spontaneously hypertensive rats. *Chinese Journal of Integrative Medicine*. 2010;16(4):344-347. [SCI impact factor 2010: 0.578, ranked the 18th in 21 journals (85.71%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 9). Zhang RJ[#], Xu YH[#], Fu H, Wang JJ, Jin L, Li SN*. Urocortin induced expression of COX-2 and ICAM-1 via corticotrophin-releasing factor type 2 receptor in rat aortic endothelial cells. *British Journal of Pharmacology*. 2009;158(3):819-829. [SCI impact factor 2009: 5.204, ranked the 19th in 237 journals (8.02%) of category PHARMACOLOGY & PHARMACY].
- 8). Xu YH[#], Zhang RJ[#], Chen J, Zhang QC, Wang JJ, Hu J, Guan XW, Jin L, Fu H, Gui B, Guo YY, Li SN*. Urocortin promotes the development of vasculitis in a rat model of thromboangiitis obliterans via corticotrophin-releasing factor type 1 receptors. *British Journal of Pharmacology*. 2009;157(8):1368-1379. [SCI impact factor 2009: 5.204, ranked the 19th in 237 journals (8.02%) of category PHARMACOLOGY & PHARMACY].
- 7). Chen JD, Tao J, Zhang RJ, Xu YH, Soong TW, Li SN*. Urocortin inhibits mesenteric arterial remodeling in spontaneously hypertensive rats. *Peptides*. 2009;30(6):1117-1123. [SCI impact factor 2009: 2.705, ranked the 93th in 237 journals (39.24%) of category PHARMACOLOGY & PHARMACY].
- 6). Xu YH, Li SN*. Blockade of ICAM-1: a novel way of vasculitis treatment. *Biochemical and Biophysical Research Communications*. 2009;381(4):459-461. [SCI impact factor 2009: 2.548, ranked the 146th in 283 journals (51.59%) of category BIOCHEMISTRY & MOLECULAR BIOLOGY].
- 5). Guan XW, Zhang RJ, Xu YH, Li SN*. Cocaine withdrawal enhances long-term potentiation in rat hippocampus via changing the activity of corticotropin-releasing factor receptor subtype 2. *Neuroscience*. 2009;161(3):665-670. [SCI impact factor 2009: 3.292, ranked the 90th in 231 journals (38.96%) of category NEUROSCIENCES].
- 4). Wu YQ, Zhang RJ, Zhou CH, Xu YH, Guan XW, Hu J, Xu YY, Li SN*. Enhanced expression of vascular cell adhesion molecule-1 by corticotrophin-releasing hormone contributes to progression of atherosclerosis in LDL receptor-deficient mice. *Atherosclerosis*. 2009;203(2):360-370. [SCI impact factor 2009: 4.522, ranked the 10th in 61 journals (16.39%) of category PERIPHERAL VASCULAR DISEASE].
- 3). Wang JJ, Zhang RJ, Xu YH, Zhou HY, Wang B, Li SN*. Genistein inhibits the development of atherosclerosis via inhibiting NF-kappaB and VCAM-1 expression in LDLR knockout mice. *Canadian Journal of Physiology and Pharmacology*. 2008;86(11):777-784. [SCI impact factor 2008: 1.763, ranked the 45th in 74 journals (60.81%) of category PHYSIOLOGY].
- 2). Wang JJ, Xu YH, Xu YY, Zhu HY, Zhang RJ, Zhang GX, Li SN*. Urocortin's inhibition of tumor growth and angiogenesis in hepatocellular carcinoma via corticotrophin-releasing factor receptor 2. *Cancer Investigation*. 2008;26(4):359-368. [SCI impact factor 2008: 1.976, ranked the 102th in 143 journals (71.33%) of category ONCOLOGY].
- 1). Wu YQ, Hu J, Zhang RJ, Zhou CH, Xu YH, Guan XW, Li SN*. Enhanced intracellular

calcium induced by urocortin is involved in degranulation of rat lung mast cells. *Cellular Physiology and Biochemistry*. 2008;21(1-3):173-182. [SCI impact factor 2008: 3.246, ranked the 24th in 74 journals (32.43%) of category PHYSIOLOGY].

Patent

- 1) **XU You Hua**, GUO Heng Li, ZHOU Hua, ZHU Quan. Method of Treating Endotoxemia. Australian Innovation Patent. 2018102089. (2018/12/18~2026/12/18)

Research Grants/Projects

2020 – 2023	Astragali Radix and Panax notoginseng combination for treatment of diabetic nephropathy: clinical randomized controlled trial and mechanism study / MOST-FDCT / PI
2020 – 2022	Effects and Mechanism of YI-SHEN-HUA-SHI Granule on Preventing Proteinuria in Diabetic Kidney Disease / FDCT-GDST / PI
2019 – 2021	Preventive effects of flavonoids from Astragali Radix against metabolic memory in diabetes based on co-metabolism between Chinese Medicines and gut microbiota / FDCT / PI
2019 – 2022	Overexpressing Caveolin-1 and active compounds of Chinese medicines loaded exosomes derived from mesenchymal stem cells modulate blood-brain barrier

Professional Qualifications and Awards

- 2020.09 First Prize in Teaching Achievement Award 2019/2020 of Macau University of Science and Technology (the third awardee). September 2020, Macau, China.
- 2019.09 First Prize in Serve of the 2018 Zhongzhu Awards for Life Sciences, Macau University of Science and Technology. September 2019, Macau, China.
- 2018.09 First Prize in Teaching of the 2017 Zhongzhu Awards for Life Sciences, Macau University of Science and Technology. September 2018, Macau, China.
- 2018.05 Excellent instructor of “Hui-Yi-Gu Cup” National Clinical Ability Contest for TCM undergraduate students in 2018. May 2018, Tianjin, China.
- 2017.12 Third Prize of Science and Technology Progress Award Category of the 2017 Jiangsu Pharmaceutical Science and Technology Award (the seventh awardee) for ***Technology system for finding superior components from traditional Chinese medicine on preventing and treating Diabetes mellitus and its complications and its application of conversion***, December 2017, Jiangsu, China.
- 2017.09 First Prize in Service of the 2016 Zhongzhu Awards for Life Sciences, Macau University of Science and Technology. September 2017, Macau, China.
- 2016.10 Second Prize of Science and Technology Invention Award Category of the 2016 Macau Science and Technology Award (the second awardee) for ***Application of Alive Cell Immobilized Chromatography on the Innovative Study of Chinese Medicines***, October 2016, Macau, China.
- 2012.11 Third Prize of 2011 Science and Technology Award of Jiangsu Province (the seventh awardee) for ***Study on the Mechanism of Corticotropin-releasing Factor Family Peptides in Cardiovascular and Cerebrovascular Diseases***, November 2012, Jiangsu, China.