

Xu You-Hua



Position : Associate Professor / Assistant Dean

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

Email Address : yhxu@must.edu.mo

Telephone : (853) 8897-2311

Office : E101-b

Mailing Address : Avenida Wai Long, Taipa, Macau

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: 5.574, ranked the 13th in 139 journals (top 9.35%) 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 PHARMACEnS]

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]
*
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].

- 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 of Nephrology*.

- [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). 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-

- 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. Comparision 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]
- _____ *
- 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*, Lin J, Lou CH, 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.