

# ***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 63<sup>rd</sup> 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- $\beta$ /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 9<sup>th</sup> 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 Y, Dong R, Du X, Wang Y, Yang J, He B, Zhu Q, Duan T\*, Li Z\*, **Xu YH\***. Yishen Huashi granules ameliorated the development of diabetic nephropathy by reducing the damage of glomerular filtration barrier. *Frontiers in Pharmacology - Renal Pharmacology*. 2022 July 22; <https://doi.org/10.3389/fphar.2022.872940>.  
[SCI impact factor 2021: 5.988, ranked the 50<sup>th</sup> in 279 journals (17.92%) of category PHARMACOLOGY & PHARMACY].
- 91). Zhang W\*, Li J, Yang P, Wang G, Yue Y, Zhong Y, Liu H, Gui D, **Xu YH**, Wang N\*. Efficacy and Safety of Salvia miltiorrhiza for Treating Chronic Kidney Diseases: A Systematic Review and Meta-Analysis. *Evid Based Complement Alternat Med*. 2022 Jun 14;2022:2117433. doi: 10.1155/2022/2117433. eCollection 2022.  
[SCI impact factor 2021: 2.65, ranked the 16<sup>th</sup> in 30 journals (53.33%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 90). Zhu D, Zhang T, Li Y, Huang C, Suo M, Xia L, **Xu YH\***, Li G\*, Tang BZ\*. Tumor-derived exosomes co-delivering aggregation-induced emission luminogens and proton pump inhibitors for tumor glutamine starvation therapy and enhanced type-I photodynamic therapy. *Biomaterials*. 2022 Apr;283:121462. doi: 10.1016/j.biomaterials.2022.121462. Epub 2022 Mar 5.  
[SCI impact factor 2021: 15.304, ranked the 4<sup>th</sup> in 98 journals (3.37%) of category ENGINEERING, BIOMEDICAL].
- 89). Peiyu Guan, **Youhua Xu\***. Progress of acupuncture in sequelae of stroke hemiplegia. *Chinese Manipulation and Rehabilitation Medicine*. 2022,13(5):64-69. [In Chinese]  
官霏钰, **徐友華\***。針灸治療中風後遺症偏癱研究進展。按摩與康復醫學。2022,13(5):64-69.
- 88). Tinghong Guo, Siyi Li, Qiuyue Li, Fengbin Liu, Huafeng Pan, **Youhua Xu\***. Research on Prevention Law of Traditional Chinese Medicine Based on Gastric "Inflammatory - Cancer" Transition Pathology Process. *Chinese Journal of Ethnomedicine and Ethnopharmacy*. 2022,31(3):67-72. [In Chinese]  
郭廷洪, 李思怡, 李秋月, 劉鳳斌, 潘華峰, **徐友華\***。基於胃“炎-癌”轉化病理組織學進程的中醫精準防治規律研究。中國民族民間醫藥。2022,31(3):67-72.
- 87). Zhao T, Tian J, Xu T, Zhang X, Xiang Q, Xiong J, Gui D, **Xu YH\***. Astragaloside IV Improves the Barrier Damage in Diabetic Glomerular Endothelial Cells Stimulated by High Glucose and High Insulin. *Evid Based Complement Alternat Med*. 2022 Mar 17;2022:7647380. doi: 10.1155/2022/7647380. eCollection 2022.  
[SCI impact factor 2021: 2.65, ranked the 16<sup>th</sup> in 30 journals (53.33%) of category

INTEGRATIVE & COMPLEMENTARY MEDICINE].

- 86). Liu B, Zhao T, Li Y, Han Y, **Xu YH**, Yang H, Wang S, Zhao Y\*, Li P, Wang Y\*. Notoginsenoside R1 ameliorates mitochondrial dysfunction to circumvent neuronal energy failure in acute phase of focal cerebral ischemia. *Phytother Res*. 2022 May;36(5):2223-2235. doi: 10.1002/ptr.7450. Epub 2022 Apr 13. [SCI impact factor 2021: 6.388, ranked the 8<sup>th</sup> in 63 journals (12.70%) of category CHEMISTRY, MEDICINAL].
- 85). Li X, Zhao T, Gu J, Wang Z, Lin J, Wang R, Duan T, Li Z, Dong R, Wang W, Hong KF, Liu Z, Huang W, Gui D\*, Zhou H\*, **Xu YH\***. Intake of flavonoids from *Astragalus membranaceus* ameliorated brain impairment in diabetic mice via modulating brain-gut axis. *Chin Med*. 2022 Feb 12;17(1):22. doi: 10.1186/s13020-022-00578-8. [SCI impact factor 2021: 4.546, ranked the 6<sup>th</sup> in 30 journals (20%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 84). Huang Q, Chen H, Yin K, Shen Y, Lin K, Guo X, Zhang X, Wang N, Xin W\*, **Xu YH\***, Gui D\*. Formononetin Attenuates Renal Tubular Injury and Mitochondrial Damage in Diabetic Nephropathy Partly via Regulating Sirt1/PGC-1 $\alpha$  Pathway. *Front Pharmacol*. 2022 May 12;13:901234. doi: 10.3389/fphar.2022.901234. eCollection 2022. [SCI impact factor 2021: 5.988, ranked the 50<sup>th</sup> in 279 journals (17.92%) of category PHARMACOLOGY & PHARMACY].
- 83). Tang D, He WJ, Zhang ZT, Shi JJ, Wang X, Gu WT, Chen ZQ, **Xu YH**, Chen YB\*, Wang SM\*. Protective effects of Huang-Lian-Jie-Du Decoction on diabetic nephropathy through regulating AGEs/RAGE/Akt/Nrf2 pathway and metabolic profiling in db/db mice. *Phytomedicine*. 2022 Jan;95:153777. doi: 10.1016/j.phymed.2021.153777. Epub 2021 Sep 27. [SCI impact factor 2021: 6.656, ranked the 1<sup>st</sup> in 30 journals (3.33%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 82). Liang Liu\*, Hua Zhou, **Youhua Xu**, Peiyu Yan, Lili Yu. Construction and practice of GPCE-based comprehensive talent cultivation system for Chinese Medicine in Macao SAR. *ECM*. 2021,40(3):9-12. [In Chinese]  
劉良\*, 周華, **徐友華**, 顏培宇, 于麗麗。GPCE 中醫藥復合型人才培養模式在澳門特區的建立與實踐。中醫教育。2021,40(3):9-12.
- 81). Wang X, Liang QF, Zeng X, Huang GX, Xin GZ, **Xu YH**, Tang D\*, Wang SM\*. Effects of soy isoflavone supplementation on patients with diabetic nephropathy: a systematic review and meta-analysis of randomized controlled trials. *Food Funct*. 2021 Sep 7;12(17):7607-7618. doi: 10.1039/d1fo01175h. Epub 2021 Jul 8. [SCI impact factor 2021: 6.317, ranked the 24<sup>th</sup> in 143 journals (16.78%) of category FOOD SCIENCE & TECHNOLOGY].
- 80). Zhang ZT, Guo N, Zhuang GD, Deng SM, He WJ, Chen ZQ, **Xu YH**, Tang D\*, Wang SM\*. Metabolic Profiling of Carbonyl Compounds for Unveiling Protective Mechanisms of *Pueraria lobata* against Diabetic Nephropathy by UPLC-Q-Orbitrap HRMS/MS Analysis. *J Agric Food Chem*. 2021 Sep 22;69(37):10943-10951. doi: 10.1021/acs.jafc.1c03582. Epub 2021 Sep 13. [SCI impact factor 2021: 5.895, ranked the 6<sup>th</sup> in 59 journals (10.17%) of category AGRICULTURE, MULTIDISCIPLINARY].
- 79). Han Y, Chen Y, Zhang Q, Liu BW, Yang L, **Xu YH**, Zhao YH\*. Overview of therapeutic potentiality of *Angelica sinensis* for ischemic stroke. *Phytomedicine*. 2021 Sep;90:153652. doi: 10.1016/j.phymed.2021.153652. Epub 2021 Jul 16. [SCI impact factor 2021: 6.656, ranked the 1<sup>st</sup> in 30 journals (3.33%) of category

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 13<sup>th</sup> 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 16<sup>th</sup> 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 43<sup>rd</sup> 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  $\beta$  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 190<sup>th</sup> 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*]  
李雲彤, 王喆, 林靜, 張桂林\*, **徐友華**\*. 中醫藥在新冠肺炎炎症損傷中的作用研究進展. *科學通報*, 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 16<sup>th</sup> 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 50<sup>th</sup> 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 16<sup>th</sup> 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 50<sup>th</sup> 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 6<sup>th</sup> 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 15<sup>th</sup> 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 105<sup>th</sup> 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 183<sup>rd</sup> in 279 journals (top 65.59%) of category PHARMACOLOGY & PHARMACY].
- 65). Yue Liu\*, Valentina Echeverria Moran, **Youhua Xu**. Editorial: Medicinal Plants for Cardiovascular and Neurodegenerative Aging-related Diseases: From Bench to Bedside. *Frontiers in Pharmacology*. 2020; 11: 585155.  
[SCI impact factor 2020: 5.810, ranked the 40<sup>th</sup> in 275 journals (14.55%) of category PHARMACOLOGY & PHARMACY].
- 64). Tingting Zhao, Junling Gu, Huixia Zhang, Zhe Wang, Wenqian Zhang, Yong-Hua Zhao, Ying Zheng, Wei Zhang, Hua Zhou, Guilin Zhang, Qingmin Sun, Enchao Zhou\*, Zhilong Liu\*, **Youhua Xu\***. Sodium Butyrate Modulated Mitochondria Function in High-Insulin induced HepG2 Cells Dysfunction. *Oxidative Medicine and Cellular Longevity*. 2020;2020:1904609. (<https://doi.org/10.1155/2020/1904609>)  
[SCI impact factor 2020: 6.543, ranked the 54<sup>th</sup> in 195 journals (top 27.69%) of category CELL BIOLOGY].
- 63). Wei Huang\*, Chenlin Gao, Luping Zhou, Junling Gu, huiwen xu, Qin Wan, Yang Long, Li Chai, **Youhua Xu\***, Yong Xu\*. Short-chain Fatty Acids Ameliorate Diabetic Nephropathy via GPR43-mediated Inhibition of oxidative stress and NF- $\kappa$ B

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/ $\beta$ -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 47<sup>th</sup> 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]  
顧峻菱，郭曼，徐勇\*，徐友華。糖尿病腎臟疾病治療策略研究進展。中華糖尿病雜誌。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 63<sup>rd</sup> 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 4<sup>th</sup> in 58 journals (top 6.90%) of category AGRICULTURE, MULTIDISPLINARY].

- 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 63<sup>rd</sup> 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]  
湯丹，曹東敏，譚蘭芳，**徐友華**，段婷婷，朱荃\*，王淑美\*。基於核殼色譜技術的黃芪中 8 種異黃酮活性成分的快速定量分析。 *中國中藥雜誌*。2019 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 72<sup>nd</sup> 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 26<sup>th</sup> 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 105<sup>th</sup> 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 3<sup>rd</sup> 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 31<sup>st</sup> 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 92<sup>nd</sup> 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 3<sup>rd</sup> 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 Diabetes Research*. 2018;2018:7078214.  
[SCI impact factor 2018: 3.040, ranked the 62<sup>nd</sup> in 136 journals (top 45.59%) of category MEDICINE, RESEARCH & EXPERIMENTAL].
- 44). Liu Liang, Zhou Hua, **Xu Youhua**, Xiong Jianfeng. Education of Traditional Chinese Medicine in Macau Special Administrative Region of the People's Republic of China. *World Education of Chinese Medicine*. 2018;10(12):24-27. [In Chinese]  
劉良, 周華, **徐友華**, 熊建豐. 中國澳門的中醫藥教育. *世界中醫藥教育*. 2018;10(12):24-27.
- 43). Zhou LP, Huang W, Xu Y\*, **Xu YH**, Long Y, Gao CL. Role of sweet taste receptors in the activation of NLRP3 inflammasome signaling in diabetic kidney disease. *Chinese Journal of Endocrinology and Metabolism*. 2018;34(7):587-593. [In Chinese]  
周路平, 黃煒, 徐勇\*, **徐友華**, 龍洋, 高陳林. 甜味受體在糖尿病腎臟疾病 ROS-NLRP3 炎症信號活化中的作用研究. *中華內分泌代謝雜誌*. 2018;34(7):587-593.
- 42). Huang W, Zhou LP, Xu Y\*, **Xu YH**, Long Y, Gao CL. Effects of short-chain fatty acids on oxidative stress and inflammation in glomerular mesangial cells induced by high glucose. *Chinese Journal of Endocrinology and Metabolism*. 2018,34(3): 239-245. [In Chinese]  
黃煒, 周路平, 徐勇\*, **徐友華**, 龍洋, 高陳林. 短鏈脂肪酸對高糖誘導的腎系膜細胞氧化應激-炎症的影響. *中華內分泌代謝雜誌*. 2018,34(3): 239-245.
- 41). Tang SS, **Xu YH\***. Study progress of Chinese Medicines on treating diabetes and its underlying influence on gut microbiota. *Lishizhen Medicine and Mareria Medica Research*. 2018;29(6):1434-1437. [In Chinese]  
唐珊珊, **徐友華\***. 中藥治療糖尿病及對腸道菌群影響的研究進展. *時珍國醫國藥*. 2018;29(6):1434-1437.
- 40). Tang SS, **Xu YH\***. Research Progress of Traditional Chinese Medicine in Treating Autoimmune Diseases through Modulating Neutrophil Activity. *New Chinese Medicine*. 2018;50(5):184-189. [In Chinese]  
唐珊珊, **徐友華\***. 中藥通過調解中性粒細胞活性治療自身免疫性疾病的研究進展. *新中醫*. 2018;50(5):184-189.
- 39). Huang W, Zhou LP, Guo HL, **Xu YH\***, Xu Y\*. The Role of Short-Chain Fatty Acids in Kidney Injury Induced by Gut-derived Inflammatory Response. *Metabolism*. 2017;68:20-30.  
[SCI impact factor 2017: 5.963, ranked the 19<sup>th</sup> in 142 journals (13.38%) of category ENDOCRINOLOGY & METABOLISM].
- 38). **Xu YH\***, Zhou H, Zhu Q. The Impact of Microbiota-Gut-Brain Axis on Diabetic Cognition Impairment. *Frontiers in Aging Neuroscience*. 2017;9:106. doi: 10.3389/fnagi.2017.00106. eCollection 2017.



- [SCI impact factor 2017: 3.582, ranked the 14<sup>th</sup> 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 120<sup>th</sup> 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 66<sup>th</sup> 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 17<sup>th</sup> 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 30<sup>th</sup> 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 58<sup>th</sup> 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 3<sup>rd</sup> 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-promoted cell apoptosis via the Bcl-2 pathway. *Journal of Natural Medicines*. 2014;68(1):163-72.  
[SCI impact factor 2014: 1.593, ranked the 40<sup>th</sup> in 59 journals (67.80%) of category CHEMISTRY, MEDICINAL].
- 29). **Xu YH\***, Lin J, Wang SS, Xiong JF, Zhu Q. Combined estrogen replacement therapy on metabolic control in postmenopausal women with diabetes mellitus. *Kaohsiung Journal of Medical Sciences*. 2014;30(7):350-61.  
[SCI impact factor 2014: 0.803, ranked the 107<sup>th</sup> in 123 journals (86.99%) of category MEDICINE, RESEARCH & EXPERIMENTAL].

- 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 247<sup>th</sup> 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 72<sup>th</sup> 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 49<sup>th</sup> 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 6<sup>th</sup> 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 22<sup>nd</sup> 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 14<sup>th</sup> 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 126<sup>th</sup> 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 145<sup>th</sup> 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 29<sup>th</sup> 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]  
歐陽慧，封亮，**徐友華**，王珊珊，王汝上，朱荃\*，項平。不同產地夏枯草抗非小細胞肺癌成分科羅索酸的差異比較。《中華中醫藥雜誌》。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 94<sup>th</sup> 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- $\beta$ -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 142<sup>th</sup> 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):359-70.  
[SCI impact factor 2011: 3.014, ranked the 4<sup>th</sup> in 22 journals (18.18%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 13). Jin L, Zhang QC, Guo R, Wang LN, Wang JJ, Wan R, Zhang RJ, **Xu YH**, Li SN\*. Different effects of corticotropin-releasing factor and urocortin 2 on apoptosis of prostate cancer cells in vitro. *Journal of Molecular Endocrinology*. 2011;47(2):219-227.  
[SCI impact factor 2011: 3.485, ranked the 40<sup>th</sup> in 122 journals (32.79%) of category ENDOCRINOLOGY & METABOLISM].
- 12). Feng L, Au-Yeung W, **Xu YH**, Wang SS, Zhu Q\*, Xiang P. Oleanolic acid from *Prunella Vulgaris* L. induces SPC-A-1 cell line apoptosis via regulation of Bax, Bad and Bcl-2 expression. *Asian Pacific Journal of Cancer Prevention*. 2011;12(2):403-408.  
[SCI impact factor 2011: 0.659, ranked the 175<sup>th</sup> in 196 journals (89.29%) of category ONCOLOGY].
- 11). **Xu YH**, Wang SS, Feng L, Zhu Q\*, Xiang P, He B. Blockade of PKC-beta protects HUVEC from advanced glycation end products induced inflammation. *International Immunopharmacology*. 2010;10(12):1552-1559.  
[SCI impact factor 2010: 2.325, ranked the 128<sup>th</sup> in 252 journals (50.79%) of category PHARMACOLOGY & PHARMACY].

- 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 18<sup>th</sup> in 21 journals (85.71%) of category INTEGRATIVE & COMPLEMENTARY MEDICINE].
- 9). Zhang RJ<sup>#</sup>, Xu YH<sup>#</sup>, 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 19<sup>th</sup> in 237 journals (8.02%) of category PHARMACOLOGY & PHARMACY].
- 8). Xu YH<sup>#</sup>, Zhang RJ<sup>#</sup>, 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 19<sup>th</sup> 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 93<sup>th</sup> 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 146<sup>th</sup> 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 90<sup>th</sup> 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 10<sup>th</sup> 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 45<sup>th</sup> 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 102<sup>th</sup> 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 24<sup>th</sup> in 74 journals (32.43%) of category PHYSIOLOGY].

專利

*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 trail and mechanism study / MOST-FDCT / PI
2020 – 2022	Effects and Mechanism of YI-SHEN-HUA-SHI Granule on Preventing Proteiunria 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 permeability after ischemic stroke / FDCT / PI
2015 – 2018	Studies of the Bioactive Components on Diabetic Metabolic Endotoxemia from Cortex Mori Based on Butyric Acid Metabolism in the Gut / FDCT /PI
2012 – 2015	Bioactive Components and Quality Assessment of Traditional Chinese Medicine Huangqisan for Preventing Diabetic Nephropathy by Cell Membrane Chromatography / FDCT / member

**Academic and Professional Membership**

Cross-Strait Scientific Collaboration Center for Chinese Medicine	Council Member, Deputy Director of the Office
The First Board of Specialty Committee of Immunology of Traditional Chinese Medicine of World Federation of Chinese Medicine Societies	Executive Council Member
Macau International Collaboration Alliance for Rheumatology Research	Council Member
Macao Association for the Promotion of Higher Education	Council Member

### **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.