

Xu Youhua



Position: Professor / Vice Dean of Faculty of Chinese Medicine

Faculty: Faculty of Chinese Medicine;
State Key Laboratory of Mechanism and Quality of Chinese Medicine

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Teaching Area

Pharmacology; Surgery of Western Medicine;
Advances in Integrative Chinese and Western Medicine Research; Advances in Traditional Chinese Medicine

Research Area: Nephrology, Integrated Traditional Chinese and Western medicine in geriatrics, Tissue immobilized chromatography

Introduction: Dr. Xu Youhua is a professor and doctoral supervisor. His main research areas include integrated Traditional Chinese and Western medicine in geriatrics, nephrology, and tissue immobilized chromatography. As project leader, he has presided over several competitive research projects, including projects funded by the Science and Technology Development Fund of Macau SAR, the National Key Research and Development Program of China (jointly funded by the Ministry of Science and Technology and the Macau Science and Technology Development Fund), and the joint fund from Science and Technology Development Fund of Macau and Guangdong Provincial Science and Technology Commission. He has published over eighty academic papers as first or corresponding author in international journals, with many research papers ranked in the top 1% of ESI highly cited papers. He serves on the editorial board/young editorial board of internationally renowned journals such as PPAR Research, Chinese Medicine, and Integrative Medicine in Nephrology and Andrology (IMNA). As a key member, he has received four provincial and ministerial-level scientific research awards, including the second prize of the Macau SAR Technological Invention Award. He was selected for the 2024 and 2025 "Top 2% of Scientists Worldwide" list.

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

Professional Experience

2026.7 - Present	Professor / Faculty of Chinese Medicine / Macau University of Science and Technology
2025.9 - Present	Vice Dean / Faculty of Chinese Medicine / Macau University of Science and Technology
2022.1 - 2025.8	Assistant Dean / Faculty of Chinese Medicine / Macau University of Science and Technology
2020.9 - 2022.1	Program Director / Faculty of Chinese Medicine / Macau University of Science and Technology
2019.7 - 2026.6	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 (*Corresponding author):

- (1) Yuanyuan Xiao; Niansong Wang; Dingkun Gui*; **Youhua Xu***. Unveiling Lactylation: A Novel Frontier in the Pathogenesis of Diabetic Nephropathy. *International Journal of Molecular Medicine*. 2026 Jun;57(6):143. (IF=8.5)
- (2) Tingting Zhao#; Chuyun Zhao#; Qian Xiang; Xi Zhang; Kin-Fong Hong; Peiyu Liu; Zhongyan Sun; Yadi Liu; Ruiting Huang; Hio-Fai Cheng, Yuwei Wu; Yingqiu Mo; Yiduo Xu; Yingxi Zhao; Qiruo Huang; Ying Xie; **Youhua Xu***. Nobiletin Ameliorated the Development of Diabetic Kidney Disease via Modulating Ferroptosis and Epithelial-Mesenchymal Transition Through PI3K/AKT/mTOR Pathway. *American Journal of Chinese Medicine*. 2026 Jan 26:1-26. (IF=7.8)
- (3) Yi-Ran Li#, Xiao-Shan Lai#, Hio-Fai Cheong#, Ding-Kun Gui, Yong-Hua Zhao, **You-Hua Xu***. Advances in biomaterials and regenerative medicine for diabetic foot ulcer therapy. *Ageing Research Reviews*. 2025;109:102779. (IF=15.5)

- (4) Yadi Liu#, Zhongyan Sun#, Dingkun Gui, Yonghua Zhao, **Youhua Xu***. RNA Modification in Metabolism. *MedComm*. 2025; 6:e70135. (IF=14.1)
- (5) Mengqing Ma, Rui Hu, Qi Huang, Xin Zhong, Jing Li, Minling Lv, Jinyu Yi, Jialing Sun, Kongli Fan, **Youhua Xu***, Xiaozhou Zhou*. Decoding the Metabolic-Immune Axis: Neutrophil Glycolysis-Driven Tumor Niche Remodeling and Its Therapeutic Exploitation. *Pharmacological Research*. 2025 Jul;217:107811. (IF=12.2)
- (6) Pei Feng, Run-Feng Li, Ke-Xin Wang, Hui-Huang Deng, Guang-Hui Jin, Rui-Feng Chen, Xiao Wu, Yuan-Yuan Lu, Qiu-Wen Tang, Hao-Jun Liang, Xiao-Jun Qiu, Zheng-Jun Li, Xiao-Hong Chen, **You-Hua Xu***, Zi-Feng Yang*. Shiwei Longdanhua Capsule protects from hygrothermal condition and influenza infection by suppressing metabolism and inflammatory pathway. *Phytomedicine*. 2025;148:157343. (IF=11.3)
- (7) Hongli Zhang, Jiewen Chen, Niansong Wang, Wei Chen*, **Youhua Xu***, Dingkun Gui*. Advancements in Pharmacotherapy for Diabetic Kidney Disease: A Systematic Review. *Diabetes/Metabolism Research and Reviews*. 2025 Sep;41(6):e70077. (IF=8.3)
- (8) Liu YD#, Sun ZY#, Dong RX, Liu PY, Zhang X, Li YR, Lai XS, Cheong HF, Wu YW, Wang YL, Zhou H, Gui DK, **Xu YH***. Rutin ameliorated lipid metabolism dysfunction of diabetic NAFLD via AMPK/SREBP1 pathway. *Phytomedicine*. 2024;126:155437. (IF=11.3)
- (9) Yilan Shen, Wei Chen, Kanghong Lin, Haiying Zhang, Xieyi Guo, Xiaoning An, Liu Yang, Niansong Wang*, **Youhua Xu***, Dingkun Gui*. Notoginsenoside Fc, a Novel Renoprotective Agent, Ameliorates Glomerular Endothelial Cells Pyroptosis and Mitochondrial Dysfunction in Diabetic Nephropathy Through Regulating HMGCS2 Pathway. *Phytomedicine*. 2024;126:155445. (IF=11.3)
- (10) Ruixue Dong, Xi Zhang, Yadi Liu, Tingting Zhao, Zhongyan Sun, Peiyu Liu, Qian Xiang, Jianfeng Xiong, Xinwen Du, Xifei Yang, Dingkun Gui**, **Youhua Xu***. Rutin alleviates EndMT by restoring autophagy through inhibiting HDAC1 via PI3K/AKT/mTOR pathway in diabetic kidney disease. *Phytomedicine*. 2023 Feb 4;112:154700. (IF=11.3)
- (11) Kang Geng, Xiu Mei Ma, Zongzhe Jiang, Wei Huang, Junling Gu, Peng Wang, Lifang Luo, **Youhua Xu***, Yong Xu*. High glucose-induced STING activation inhibits diabetic wound healing through promoting M1 polarization of macrophages. *Cell Death & Discovery*. 2023;9:136. (IF=10.4)
- (12) 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*. 2023 Aug;39(4):1577-1591. (IF=5.7)

- (13) 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. *Chinese Medicine*. 2022 Feb 12;17(1):22. (IF=7.4)
- (14) 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. (IF=6.7)
- (15) **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. (IF=5.7)
- (16) 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-Clinical and Experimental*. 2017;68:20-30. (IF=16.7)