

Dr. LI Xin

Research field: Intellectual property and technology innovation

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Education Experience

September 2007 - June 2011: Bachelor of Science in Pharmacy (Major in Traditional Chinese Medicine) from China Pharmaceutical University.

September 2011 - June 2014: Master of Science (Direct Admission exempted from the examination to Master's Program) in Medicinal Chemistry from China Pharmaceutical University.

September 2014 - December 2019: Doctor of Laws (Ph.D.) in Intellectual Property Law from Tongji University Shanghai International College of Intellectual Property.

November 2015 - January 2017: Joint Ph.D. Program at Vrije Universiteit Brussel, Belgium, sponsored by the China Scholarship Council (CSC).

October 2016: University of Konstanz, Germany, visiting scholar.

June 2017: Polytechnic University of Turin, Italy, visiting scholar.



Work Experience

December 2020 to March 2024: Postdoctoral Researcher at the School of Economics and Management, Tongji University.

April 2024 to Present: Assistant professor at Shanghai international college of intellectual property, Tongji University.



Research Achievements

✧ Academic Books:

Li Xin, Song Xiaoting. Theory and Practice of Inventive Step Examination of Traditional Chinese Medicine Patents. Beijing: Intellectual Property Publishing House, 2021 (ISBN 978-7-5130-7460-5). (Recommended by the World Federation of Chinese Medicine Societies and currently participating in the selection for the World Federation of Chinese Medicine Societies' First International Contribution Award - Book Award).

Chen Qiang, Wang Hao, Li Xin, et al. Building Pudong into a Hub for Independent Innovation: Reality, Vision, and Path. Shanghai: Shanghai People's Publishing House, 2021 (ISBN 978-7-208-17416-0).

✧ **Academic Papers:**

Li Xin, Song Xiaoting. A Review of Japan's Regenerative Medicine Legal System. *Social Sciences International*, 2017(03): 125-135.

Li Xin, Song Xiaoting. Analysis on current status and trend of global bio-additive manufacturing technology based on patent. *World Science and Technology Research and Development*, 2019, 41(04): 348-357.

LI Xin. Influencing Factors, Evolution Process and Improving Strategies for the Quality of Traditional Chinese Medicine Patents: an Empirical Study based on Patent Invalidation Cases. *Annals of Medicine*, 2024, Volume 56 Issue 1 <https://doi.org/10.1080/07853890.2024.2422571>

LI Xin, CHEN Qiang, SONG Xiaoting. Industry development path of medicinal and edible homologous traditional Chinese medicinal material Coicis Semen from patent-centric perspective. *Chinese Traditional and Herbal Drugs*, 2024, 55(24): 8517-8525.

Li Xin, Jia Yuanwei, Wang Junsong, et al. ¹H nuclear magnetic resonance-based metabolomics reveals sexspecific metabolic changes of gastrodin intervention in rats. *Asian Pacific Journal of Tropical Medicine [J]*. 2014, 7(10): 811-818.

Jia Yuanwei, Li Xin, Xie Haitang, et al. Analysis and pharmacokinetics studies of gastrodin and p-hydroxybenzyl alcohol in dogs using ultra fast liquid chromatography–tandem mass spectrometry method [J]. *Journal of Pharmaceutical and Biomedical Analysis*. 2014, 99: 83-88.

Jia Yuanwei, Shen Jie, Li Xin, et al. Identification and analysis of gastrodin and its five metabolites using ultrafast liquid chromatography electrospray ionization tandem mass spectrometry to investigate influence of multiple-dose and food [J]. *Journal of Chromatography A*, 2014, 1358: 110-116.

✧ **Decision Consultation Reports and Media Articles**

Examining the revival of Shanghai's biopharmaceutical industry through the development of COVID-19 therapeutics. (2022-12). Submitted to the Shanghai Municipal Committee (Document No. 12429)

Leveraging the development of the biopharmaceutical industry to promote comprehensive progress in Baoshan district transformation – White paper on the development of intellectual property in the

biopharmaceutical sector in Baoshan District, Shanghai. 2022, Decision Consultation Report of the Baoshan District Government, Shanghai.

Li Xin. Examining Medical Device Industry Innovation Trends through Global Patent Layout [EB/OL]. <https://mp.weixin.qq.com/s/hqdmz7i7sDotVyBta3Lktg>, 2022.11.23.

Li Xin. What processes does the birth of a vaccine involve? [EB/OL]. https://mp.weixin.qq.com/s/x_ixaBzJemCIG0HTyXns0Q, 2022.05.04.



Research Projects

Principal Investigator, Research on Mechanisms for Expanding the Value Realization of Ecological Products of Chinese Medicinal Materials through Intellectual Property Protection and Utilization (25CGL155), funded by National Social Science Foundation of China Youth Project (currently under research).

Principal Investigator, Risk Analysis and Response Strategies for International Patents of High-end Medical Devices in China, funded by Shanghai Municipal Health Development Research Center (currently under research).

Principal Investigator, Research on the Inventive Step Examination Standards of Traditional Chinese Medicine Patents, funded by the China Law Society Youth Research Project, 2018-2019 (completed).

Principal Investigator, Empirical Analysis and Institutional Optimization of Patent Examination in Traditional Chinese Medicine from the Perspective of Characteristic Development, funded by the Philosophy and Social Science Planning Project of Shanghai, 2021 (completed).

Principal Investigator, Special Examination and Protection Mechanism of Patents in the Field of Traditional Chinese Medicine, funded by the China Postdoctoral Science Foundation, 2022 (completed).

Principal Investigator, Research on the Intellectual Property Protection Situation and Policy Response of Shanghai-based Traditional Chinese Medicine Inheritance and Innovative Development, funded by the Shanghai Science and Technology Innovation Action Plan, 2023 (completed).

Participant, EU Marie Curie IRSES Project China and Europe Taking Care of Healthcare Solutions (GA no. 612589), 2015-2017.

Participant, National Social Science Fund Major Project Research on a Special System for Protecting Traditional Chinese Medicine Traditional Knowledge (completed).

Participant, Research Project of the Shanghai Municipal People's Government, Research on the New Round of Development Strategy for the Shanghai International Science and Technology Innovation Center (2021-AW-06), ongoing.

Participant, Research Project of the Shanghai Development and Reform Institute, Identification of the Innovation Resources Map in the Yangtze River Delta Region (completed).

Participant, Decision-making Consultation Research Project of the Pudong New Area People's Government, Research on Building an Independent and Innovative Highland in Pudong, 2020-2021 (completed).

Participant, Decision-making Consultation Research Project of the Baoshan District People's Government, Development White Paper on Intellectual Property Work in Shanghai Baoshan District, (completed).

Participant, Research Project of the State Administration of Traditional Chinese Medicine, Research on Key Issues in the Establishment and Improvement of Regulations Related to Traditional Chinese Medicine, 2020-2022 (completed).

Participant, Research Project of the State Administration of Traditional Chinese Medicine, Revisions to Local Regulations on Traditional Chinese Medicine, 2020-2022 (completed).

Participant, Research Project of the State Intellectual Property Office, Research on the Application of Patent Information in Improving Patent Application Quality, 2014-2015 (completed).

Participant, Interdisciplinary Research Project of Tongji University's Humanities and Social Sciences, Legal and Policy Research on Stem Cell Therapy, 2015-2016 (completed).

Awards and Honours

Multiple Scholarships from China Pharmaceutical University, 2007-2011.

Honorary Title of Excellent Student Pioneer at China Pharmaceutical University, 2010.

First-Class Scholarship for Outstanding Intellectual Property at Tongji University, 2016.

Outstanding Doctoral Student Scholarship at Tongji University, 2017.

Outstanding Graduate Student at Tongji University, 2019.

Outstanding Doctoral Dissertation at Tongji University, 2020.

Research Report selected for the 2021 Shanghai Excellent Think Tank Report.

Innovation Paper Award at the 2nd National Postdoctoral Young Scientists Forum on Innovative Medical Technology, 2022.

2nd Prize for Research Achievements from the 14th Shanghai Municipal Government Decision Consulting, Research on the New Round of Development Strategy for Shanghai International Science and Technology Innovation Center, with the seventh (7/15) authorship ranking, 2023.



Academic Affiliations

Member of the Pharmaceutical Intellectual Property Special Committee, China Health Law Society

Member, Shanghai Science Studies Society



Skills and Others

Languages: Chinese Mandarin (Native), English (Professional).

IT: Stata/SPSS/Matlab, Microsoft suite, Gephi/PNET/UCINET, Python.

Certifications: China National Licensed Pharmacist

Interests: Piano, Pilates and hiking