

CURRICULUM VITAE

Personal Information					
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Research Interest					
<p>Designing, pharmacokinetics, pharmacodynamics and toxicology of new veterinary drugs and nanoparticle drug delivery systems.</p>					
Education & Working Experience					
Education experience: Sept. 2008- June 2011: Ph.D. in veterinary preventive medicine, China agricultural university. Sept. 2006- June 2008: M.S. in veterinary preventive medicine, China agricultural university. Sept. 2001 - June 2006: Bachelor of Veterinary Science (B.V.Sc.), Shenyang agricultural university.					
Work experience: 2020.12-present: Huazhong agricultural university January 2014- present: Associate professor, Huazhong agricultural university July 2011- December 2013: Lecturer, Huazhong agricultural university					
+86Publications					
1. Aoxue Zhang, Kuiyu Meng, Yuda Liu, Yuanhu Pan, Wei Qu, Dongmei Chen*, Shuyu Xie*, Absorption, distribution, metabolism, and excretion of nanocarriers in vivo and their influences, Advances in Colloid and Interface Science, 2020, 284:102261 (IF=9.928). 2. Samah Attia Algharib, Ali Dawood, Kaixiang Zhou, Dongmei Chen, Chao Li, Kuiyu Meng, Muhammad Kashif Maa, Saeed Ahmed, Lingli Huang*, Shuyu Xie* . Designing, structural determination and biological effects of rifaximin loaded chitosan- carboxymethyl chitosan nanogel. Carbohydrate Polymers, 2020, 248(15):116782 (IF=7.182). 3. Yuda Liu#, Dongmei Chen# , Aoxue Zhang, Man Xiao, Zhenxia Li, Wanhe Luo, Yuanhu Pan, Wei Qu, Shuyu Xie* . Composite inclusion complexes containing hyaluronic acid/chitosan nanosystems for dual responsive enrofloxacin release. Carbohydrate Polymers, 2021,					

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4. Shuyu Xie, Yanfei Tao, Yuanhu Pan, Wei Qu, Guyue Cheng, Lingli Huang, Dongmei Chen, Xu Wang, Zhenli Liu, Zonghui Yuan. Biodegradable nanoparticles for intracellular delivery of antimicrobial agents. *Journal of Controlled Release*. 2014;187C:101-117. (IF=7.877)
5. **Dongmei Chen**, Ying Zhao, Wei Xu, Yuanhu Pan, Qu Wei, **Shuyu Xie***. Biotransformation and tissue bioaccumulation of 8:2 fluorotelomer alcohol in broiler by oral exposure. *Environmental Pollution*, 2020, 267:115611 (IF=6.792)
6. **Shuyu Xie**, Yonghui Cui, Yujuan Yang, Kuiyu Meng, Yuanhu Pan, Zhenli Liu, **Dongmei Chen**, Tissue distribution and bioaccumulation of 8:2 fluorotelomer alcohol and its metabolites in pigs after oral exposure, *Chemosphere*, 2020, 249, 126016. (IF=5.778)
7. Chao Li, Kaixiang Zhou, Dongmei Chen, Wei Xu, Yanfei Tao, Yuanhu Pan, Kuiyu Meng, Muhammad abu Bakr shabbir, Qianying Liu, Lingli Huang, **Shuyu Xie ***. Solid lipid nanoparticles with enteric-coating for improving stability, palatability and oral bioavailability of enrofloxacin, *International journal of nanomedicine*, 2019, 14: 1-13(IF: 5.115).
8. Kaixiang Zhou; Chao Li; Dongmei chen; Yuanhu Pa; Yanfei Tao; Wei Qu; Zhenli Liu; Xiaofang Wang*; **Shuyu Xie***, A review on nanosystem as an effective approach against infections of *Staphylococcus aureus*, *International journal of nanomedicine*, 2018.11.9, 13 : 7333~7347. (IF: 5.115).
9. Samah Attia Algharib, Ali Dawood, Shuyu Xie*. Nanoparticles for Treatment of Bovine *Staphylococcus aureus* Mastitis. *Drug Deliv*, 2020, 27(1): 292-308.(医学/药学 2 区; IF: 4.902).
10. Kuiyu Meng, Dongmei Chen, Fei Yang, Aoxue Zhang, Yanfei Tao, Wei Qu, Yuanhu Pan, Haihong Hao, **Shuyu Xie**. Intracellular delivery, accumulation, and discrepancy in antibacterial activity of four enrofloxacin-loaded fatty acid solid lipid nanoparticles, *Colloids and Surfaces B: Biointerfaces*, 2020, 194: 111196.(IF= 4.389).
11. Yuzhu Sun#, Dongmei Chen#, Yuanhu Pan, Wei Qu, Haihong Hao, Xu Wang, Zhenli Liu & Shuyu Xie*. Nanoparticles for antiparasitic drug delivery, *Drug Delivery*, 2019, 26:1, 1206-1221. (IF: 4.902).
12. Yanfei Tao, Fei Yang, Kuiyu Meng, Dongmei Chen, Yujuan Yang, Kaixiang Zhou, Wanhe Luo, Wei Qu, Yanhu Pan, Zhonghui Yuan, Shuyu Xie*. Exploitation of enrofloxacin-loaded docosanoic acid solid lipid nanoparticle suspension as oral and intramuscular sustained release formulations for pig. *Drug Delivery*, 10.1080/10717544.2019.1580798. (IF: 4.902).
13. Eman Salah, Mahmoud M.A bouelfetouh, Yuanhu Pan, Dongmei Chen*, **Shuyu Xie***. Solid lipid nanoparticles for enhanced oral absorption: A review. *Colloids and Surfaces B: Biointerfaces*, 2020, 196: 111305. (IF= 4.389)
14. Kaixiang Zhou, Yuanyuan Yan, Dongmei Chen, Lingli Huang, Chao Li, Kuiyu Meng, Shuge Wang, Samah Attia Algharib, Zonghui Yuan, Shuyu Xie*. Solid Lipid Nanoparticles for Duodenum Targeted Oral Delivery of Tilmicosin. *Pharmaceutics* 2020, 12, 731. (IF=4.421)

15. Kaixiang Zhou, Xiaofang Wang, Dongmei Chen, Yuanyuan Yuan, Shuge Wang, Chao Li, Yuanyuan Yan, Qianying Liu, Liwei Shao, Lingli Huang, Zonghui Yuan, Shuyu Xie*. Enhanced Treatment Effects of Tilmicosin Against *Staphylococcus aureus* Cow Mastitis by Self-Assembly Sodium Alginate-Chitosan Nanogel. *Pharmaceutics* 2019, 11, 524.(IF=4.421)
16. Adeel Sattar, Mian Abdul Hafeez, Qin Wu, Adnan Hassan Tahir, Muhammad Abu Bakr Shabbir, Dongmei Chen, Lingli Huang, **Shuyu Xie***, Zonghui Yuan*. Disposition of cyadox in domesticated cats following oral, intramuscular, and intravenous administration. *Journal of Veterinary Pharmacology and Therapeutics*, *J Vet Pharmacol Ther.* 2020, 43(2):97-107.(IF=1.47).
17. Wanhe Luo, Hua Qin, Dongmei Chen, Mengru Wu, Kuiyu Meng, Aoxue Zhang, Yunahu Pan, Wei Qu, **Shuyu Xie***. The dose regimen formulation of tilmicosin against *Lawsonia intracellularis* in pigs by pharmacokinetic-pharmacodynamic (PK-PD) model. *Microbial Pathogenesis*, 2020, 147: 104389 (IF=2.914).
18. Shuyu Xie*, Xiaoqiu Zhang, Yuanhu Pan, Yanfei Tao, Dongmei Chen, Lingli Huang, Zhenli Liu, Yulian Wang*. Formulation, characterization, and pharmacokinetics of long-acting ceftiofur hydrochloride suspension. *Current Drug Delivery* IF=1.582)
19. Wanhe Luo, Dongmei Chen, Mengru Wu, Zhenxia Li, Yanfei Tao, Qianying Liu, Yuanhu Pan, Wei Qu, Zonghui Yuan, Shuyu Xie*. Pharmacokinetics/Pharmacodynamics models of veterinary antimicrobial agents. *J Vet Sci.* 2019;20(4):e40(IF=1.503).
20. Qianying Liu, Zhixin Lei, Changqin Gu, Jingchao Guo, Huiru Yu, Zainab Fatima, Kaixiang Zhou, Muhammad A.B. Shabbir, Muhammad Kashif Maan, Qinghua Wu, Shuyu Xie*, Xu Wang, Zonghui Yuan*. Mequindox induces apoptosis, DNA damage, and carcinogenicity in Wistar rats. *Food and Chemical Toxicology*, 2019, 127: 270-279.(IF=3.775).
21. Qianying Liu, Zhixin Lei, Qin Wu, Ihsan Awais, Muhammad A.B. Shabbir, Saeed Ahmed, Zainab Fatima, Xu Wang, Yuanhu Pan, **Shuyu Xie*** and Zonghui Yuan*. The Reproductive Toxicity of Mequindox in a Two-Generation Study in Wistar Rats, *Front. Pharmacol.* 2018, 09, 870. (IF=3.845)
22. Jun Li#, Shuyu Xie#, Saeed Ahmed, Funan Wang, Yufeng Gu, Chaonan Zhang, Ximan Chai, Yalan Wu, Jinxia Cai, Guyue Cheng. Antimicrobial Activity and Resistance: Influencing Factors. *Front. Pharmacol.* 2017, 8, 364.(IF=3.838)
23. Lei Yan, Shuyu Xie, Dongmei Chen, Yuanhu Pan, Yanfei Tao, Wei Qu, ZhenLi Liu, Zonghui Yuan, Lingli Huang. Pharmacokinetic and pharmacodynamic modeling of cyadox against *Clostridium perfringens* in swine. *Scientific Report*, 2017, 7: 4064(IF=4.122).
24. Adeel Sattar#, Dongmei Chen#, Lishun Jiang, Yuanhu Pan, Yanfei Tao, Lingli Huang, Zhenli Liu, Shuyu Xie*, Zonghui Yuan*. Preparation, characterization and pharmacokinetics of cyadox nanosuspension. *Sci. Rep.*, 2017, 7, 2289, DOI:10.1038/s41598-017-02523-4. (IF=4.122)
25. Shuyu Xie#, Fei Yang#, Yanfei Tao, Dongmei Chen, Wei Qu, Lingli Huang, Zhenli Liu,

- Yuanhu Pan, Zonghui Yuan. Enhanced intracellular delivery and antibacterial efficacy of enrofloxacin-loaded docosanoic acid solid lipid nanoparticles against intracellular Salmonella. *Sci. Rep.* 2017, 7, 41104; doi: 10.1038/srep41104. (IF=4.122).
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27. Adeel Sattar, Shuyu Xie*, Lingli Huang, Zahid Iqbal, Wei Qu, Muhammad A. Shabbir , Yuanhu Pan, Hafizi. Hussain, Dongmei Chen, Yanfei Tao, Zhenli Liu, Mujahid Iqbal, Zonghui Yuan*. Pharmacokinetics and Metabolism of Cyadox and Its Main Metabolites in Beagle Dogs Following Oral, Intramuscular, and Intravenous Administration. *Frontiers in Pharmacology*, 2016, 7: 236 (IF=4.4)
28. Xianqiang Li#, Shuyu Xie#, Yuanhu Pan,Wei Qu,Yanfei Tao,Dongmei Chen,Lingli Huang,Zhenli Liu, Yulian Wang*, Zonghui Yuana*. Preparation, characterization and pharmacokinetics of doxycycline hydrochloride and florfenicol polyvinylpyrrolidone microparticle entrapped with hydroxypropyl--cyclodextrin inclusion complexes. *Colloids and Surfaces B: Biointerfaces* 2016, 141:634-642. (IF=3.997)
29. Shuyu Xie, Yuanhu Pan, Dongmei Chen, Wei Qu, Adeel Sattar, Guyue Cheng, Zhenli Liu, Liye Wang, Yanfei Tao, Zonghui Yuan. Quantitative Analysis of Bacitracin in Porcine Edible Tissues by High-Performance Liquid Chromatography–Electrospray Ionization Tandem Mass Spectrometry and Its Application to Residue Depletion Study. *Food Anal. Methods*, 2016, 1-10. doi:10.1007/s12161-016-0613-4.(IF=2.038)