

CURRICULUM VITAE

| Personal Information | | | |  | |
|--|---|--|------|---|--|
| Name | Wang Shuai | Gender | Male | | |
| Position Title | | Associate professor | | | |
| Working Department | | College of Animal Science & Technology | | | |
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| Research Interest | | | | | |
| <p>(1) Research and development of new feed resources (2) Prevention and control of the hazardous effects of mycotoxins</p> | | | | | |
| Professional Memberships | | | | | |
| Chinese Society of Nutrition | | | | | |
| Other Roles | | | | | |
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| Education & Working Experience | | | | | |
| <p>Sep, 2008-Jun, 2012 Huazhong Agricultural University Undergraduate Sep, 2012-Jun, 2017 China Agricultural University MD-PhD candidates Aug, 2017-Oct, 2020 Huazhong Agricultural University Postdoctoral fellow Oct, 2020-Present Huazhong Agricultural University Associate professor</p> | | | | | |
| Publications | | | | | |
| <p>1. Wang S, Zhang C, Yang JC, Wang X, Wu KT, Zhang BY, Zhang JC, Yang A, Rajput SA, Qi DS. Sodium butyrate protects the intestinal barrier by modulating intestinal host defense peptide expression and gut microbiota after a challenge with deoxynivalenol in weaned piglets, Journal of Agricultural and Food Chemistry, 2020, 68, 4515-4527.</p> <p>2. Wang S, Zhang C, Wang X, Yang JC, Wu KT, Zhang JC, Zhang BY, Yang A, Qi DS.</p> | | | | | |

Deoxynivalenol inhibits porcine intestinal trefoil factors expression in weanling piglets and IPEC-J2 cells, *Toxins*, 2019, 11, 670.

3. Wang S, Ye QH, Wang K, Zeng XF, Huang S, Yu HT, Ge Q, Qi DS, Qiao SY. Enhancement of macrophages function by the antimicrobial peptide sublancin protects mice from methicillin-resistant *Staphylococcus aureus*, *Journal of Immunology Research*, 2019, DOI: 10.1155/2019/3979352.
4. Wang S, Yang JC, Zhang BY, Zhang L, Wu KT, Yang A, Li C, Wang YN, Zhang JC, Qi DS. Potential link between gut microbiota and deoxynivalenol-induced feed refusal in weaned piglets. *Journal of Agricultural and Food Chemistry*, 2019, 67, 4976-4986.
5. Wang S, Ye QH, Zeng XF, Qiao SY. Functions of macrophages in the maintenance of intestinal homeostasis. *Journal of Immunology Research*, 2019, DOI: 10.1155/2019/1512969.
6. Wang S, Yang JC, Zhang BY, Wu KT, Yang A, Li C, Zhang JC, Zhang C, Rajput SA, Zhang NY, Sun LY, Qi DS. Deoxynivalenol impairs porcine intestinal host defense peptide expression in weaned piglets and IPEC-J2 cells. *Toxins*, 2018, 10, e541.
7. Wang S, Huang S, Ye QH, Zeng XF, Yu HT, Qi DS, Qiao SY. Prevention of cyclophosphamide-induced immunosuppression in mice with the antimicrobial peptide sublancin. *Journal of Immunology Research*, 2018, DOI: 10.1155/2018/4353580.
8. Wang S, Wang QW, Zeng XF, Ye QH, Huang S, Yu HT, Yang TR, Qiao SY. Use of antimicrobial peptide sublancin with combined antibacterial and immunomodulatory activities to protect against methicillin-resistant *Staphylococcus aureus* infection in mice. *Journal of Agricultural and Food Chemistry*, 2017, 65, 8595-8605.
9. Wang S, Peng Q, Jia HM, Zeng XF, Zhu JL, Hou CL, Liu XT, Yang FJ, Qiao SY. Prevention of *Escherichia coli* infection in broiler chickens with *Lactobacillus plantarum* B1. *Poultry Science*, 2017, 96, 2576-2586.
10. Wang S, Zeng XF, Yang Q, Qiao SY. Antimicrobial peptides as potential alternatives to antibiotics in food animal industry. *International Journal of Molecular Sciences*, 2016, 17, e603.
11. Wang S, Zeng XF, Wang QW, Zhu JL, Peng Q, Hou CL, Thacker P, Qiao SY. The antimicrobial peptide sublancin ameliorates necrotic enteritis induced by *Clostridium perfringens* in broilers. *Journal of Animal Science*, 2015, 93, 4750-4760.
- Wang S, Thacker P, Watford M, Qiao SY. Functions of antimicrobial peptides in gut homeostasis. *Current Protein and Peptide Science*, 2015, 16, 582-591.

