Curriculum Vitae

NAME AND ADDRESS

Minho Song
2315 College of Agricultural and Life Science, Chungnam National University
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EDUCATION

Ph.D. in Animal Sciences
University of Illinois, Urbana-Champaign, IL, USA, 2011
*Dissertation Title: "*Dietary effects on pig health"
Dissertation Adviser: Professor James E. Pettigrew

MS in Animal Sciences
University of Minnesota, Minneapolis-St. Paul, MN, USA, 2007
Thesis: "Dietary effects of DDGS on performance of lactating sows"
Thesis Adviser: Professor Samuel K. Baidoo

BS in Applied Animal Sciences
Korea University, Seoul, South Korea, 2003

PROFESSIONAL EXPERIENCE

Visiting Professor
Comparative Animal Nutrition and Physiology, Department of Animal Science,
University of California, Davis, USA, 2018

Associate Professor
Swine Gut Health, Department of Animal Science and Biotechnology,
Chungnam National University, Daejeon, South Korea, 2017-present

Assistant Professor
Swine Nutrition and Health, Department of Animal Science and Biotechnology,
Chungnam National University, Daejeon, South Korea, 2012-2017

Postdoctoral Research Associate
Swine Nutrition and Health, Department of Animal Sciences,
University of Illinois, Urbana-Champaign, IL, USA, 2011-2012

TEACHING EXPERIENCE

Undergraduate Courses

Animal Immunology, Animal Feeding and Management, Animal Byproducts

Graduate Courses

Advanced Swine Nutrition, Animal Nutritional Immunology, Energy Metabolism

METORING (including current mentees; 2012-present)

25 MS Students, 11 Ph.D. Students, 2 Post-doctoral Researchers

AWARDS AND HONORS

Best Research Award

2020. Korea Society of Animal Science and Technology, Seoul, South Korea

Faculty Excellence

2018. Chungchung Life-Medical Biotechnology, Chungnam National University, Daejeon, South Korea

Young Scholar Award

2012. 45th American Society of Animal Science-American Dairy Science Association Midwestern Meeting, Des Moines, IA, USA

Graduate Research Paper Award

2010. 43th American Society of Animal Science-American Dairy Science Association Midwestern Meeting, Des Moines, IA, USA

PUBLICATIONS (2012-present)

94 SCI(E) Research Papers, 19 Korea SCI Research Papers, 84 Research Abstracts
2 Book Chapters

Representative Research Papers

1. Lee, J., S. Kim, J. H. Cho, H. Kyoung, S. Lee, J. Choe, Y. Liu, P. Ji, X. Xiong, Y. Kim, H. B. Kim, and **M. Song**. 2021. Potential use of ground brown rice for weanling pigs. J. Anim. Sci. 99:10, 1-9. (**Corresponding author; IF 3.159, Agriculture, Dairy and Animal Sciences 17%**)
2. Kim, K., B. Kim, H. Kyoung, Y. Liu, J. M. Campbell, **M. Song**, and P. Ji. 2021. Dietary spray-dried plasma supplementation in late-gestation and lactation enhanced productive performance and immune responses of lactating sows and their litters. J. Anim. Sci. Technol. 63:5, 1076-1085. (**Corresponding author; IF 2.225, Veterinary Sciences 27%**)
3. Lee, J., Kyoung, H., J. H. Cho, J. H. Cho, J. Choe, Y. Kim, Y. Liu, J. Kang, H. Lee, H. B. Kim and **M. Song**. 2021. Dietary yeast cell wall improves growth performance and prevents of diarrhea of weaned pigs by enhancing gut health and anti-inflammatory immune

responses. Animals. 11:2269. (**Corresponding author; IF 2.752, Veterinary Sciences 13%**)

4. Kang, J., J. J. Lee, J. H. Cho, J. Choe, H. Kyoung, S. H. Kim, H. B. Kim and **M. Song**. 2021. Effects of dietary inactivated probiotics on growth performance and immune responses of weaned pigs. J. Anim. Sci. Technol. 63:3, 520-530. (**Corresponding author; IF 2.225, Veterinary Sciences 27%**)
5. Kim, K., Y. He, C. Jinno, L. Kovanda, X. Li, **M. Song** and Y. Liu. 2021. Trace amounts of antibiotic exacerbated diarrhea and systemic inflammation of weaned pigs infected with a pathogenic *Escheirhia coli*. J. Anim. Sci. 99:3, 1-13. (**Co-author; IF 3.159, Agriculture, Dairy and Animal Sciences 17%**)
6. Kyoung, H., J. J. Lee, J. H. Cho, J. Choe, J. Kang, H. Lee, Y. Liu, Y. Kim, H. B. Kim and **M. Song.** 2021. Dietary glutamic acid modulates immune responses and gut health of weaned pigs. Animals. 11:504. (**Corresponding author; IF 2.752, Veterinary Sciences 13%**)
7. Kim. S., J. H. Cho, Y. Kim, H. B. Kim and **M. Song.** 2021. Effects substitution of corn with ground brown rice on growth performance, nutrient digestibility, and gut mirociota of growing-finishing pigs. Animals. 11:375. (**Corresponding author; IF 2.752, Veterinary Sciences 13%**)
8. Min, Y, Y. Choi, J. Kim, D. Kim, Y. Jeong, Y. Kim, **M. Song** and H. Jung**.** 2020. Comparison of the productivity of primiparous sows housed in individual stalls and group housing systems. Animals. 10:1940. (**Corresponding Author; IF 2.752, Veterinary Sciences 13%**)
9. Kim, K., P. Ji, **M. Song**, T. M. Che, D. Bravo, J. E. Pettigrew and Y. Liu. 2020. Dietary plant extracts modulate gene expression profiles in alveolar macrophages of pigs experimentally infected with porcine reproductive and respiratory syndrome virus. J. Anim. Sci. Biotechnol. 11:74. (**Co-author; IF 5.032, Agriculture, Dairy and Animal Science 6%**)
10. Lee, J. J., J. Choe, J. Kang, J. H. Cho, S. Park, R. Perez-Maldonado, J. Cho, I. Park, H. B. Kim and **M. Song**. 2020. Dietary protease improves growth rate and protein digestibility of growing-finishing pigs. J. Anim. Sci. Technol. 62:3, 313-320. (**First author; IF 2.225, Veterinary Sciences 27%**)

Funded Research Grants (2019-present)

Government research grant: $1,300,000
Industrial research grant: $200,000