

# CURRICULUM VIATAE

**JUNG MIN HEO, Ph.D.<sup>1</sup>**

---

## **Professor and Head**

Department of Animal Science and Biotechnology  
College of Agriculture and Life Sciences  
Chungnam National University 34134  
Republic of Korea

## **Vice Dean**

College of Agriculture and Life Sciences  
Chungnam National University 34134  
Republic of Korea

## **Director**

Animal Science Research  
Department of Animal Science and Biotechnology  
College of Agriculture and Life Sciences  
Chungnam National University 34134  
Republic of Korea

---

<sup>1</sup>Jung Min (Jerry) Heo  
Department of Animal Science and Biotechnology  
Chungnam National University 34134  
Republic of Korea

Phone: +82 42 821 5777  
Fax: +82 42 825 9754  
E-mail: [jmheo@cnu.ac.kr](mailto:jmheo@cnu.ac.kr)

<https://animal.cnu.ac.kr/animal/index.do>

- **Area of Research Interest**

- Digestive physiology of pigs and chickens.
- Feed ingredient evaluation for monogastrics.
- Nutrition and gut health interactions.
- Nutrition and the environment.

- **Courses Taught**

- **Graduate Courses**

- Advanced Animal Biochemistry
- Advanced Feed Science
- Advanced Poultry Production

- **Undergraduate Courses**

- Animal Biochemistry
- Poultry Production and Practice
- Feed Science
- Animal Feeds and Feeding

- **Employment History**

Date	Institution	Role
Mar. 2020-Present	College of Agriculture and Life Sciences Chungnam National University, South Korea.	Vice Dean
	Animal Research Center	
Mar. 2018-Feb. 2020	Department of Animal Science and Biotechnology Chungnam National University, South Korea.	Director
Mar. 2018-Feb. 2020	Department of Animal Science and Biotechnology Chungnam National University, South Korea.	Head
Mar. 2021-Present	Chungnam National University, South Korea	Professor
Sep. 2016-Feb 2021	Chungnam National University, South Korea	Associate Professor
Mar. 2013-Aug.2016	Chungnam National University, South Korea	Assistant Professor

Oct. 2010-Feb. 2013	University of Manitoba, Canada	Post-Doc Fellow
Mar. 2007-April 2011	Murdoch University, Australia	Research Assitant
Sept. 2003- Mar. 2005	Department of Animal Science and Biotechnology Chungnam National University, South Korea.	Teaching assistant
Jun. 2002- Mar. 2003	Nonghyup Feed Co., Ltd.	A sales staff for animal diets.
Apr. 1996 – Oct. 1998	Military Service in Korean Air force	Discharged by archiving full period of the duty (30 months)

---

## • Education

Date	Degree	Institution
Feb. 2006 – June. 2010	Ph.D. (Animal Nutrition)	Animal Research Institute, School of Veterinary Biology and Biomedical Sciences, Murdoch University, Murdoch, WA, Australia. Project: Reducing the protein content in diets for pigs to control post-weaning diarrhoea: Metabolic and physiological responses of the gastrointestinal tract.
Mar. 2003 – Feb 2005	M.Sc. (Nutritional Science)	Division of Animal Science and Resources, Chung-Nam National University, Dae-jeon, South Korea. Project: Effect of different growing stages of winter cereal crops on the quality of silage materials and Silages.
Mar. 1995 – Feb. 2005	B.Sc. (Agric.) Animal Science Major	Division of Animal Science and Resources, Chung-Nam National University, Dae-jeon, South Korea.

---

## • Awards

- **January 2007-August 2009:** Awarded a Murdoch International Postgraduate Scholarship at Murdoch University for a Ph.D.
- **March 2001- February 2003:** Four year scholarship awards for being the

outstanding undergraduate student at Major of Animal Science and Biotechnology in Division of Animal Science and Resources, Chung-Nam National University, Dae-jeon, South Korea.

• **Publications<sup>1</sup>**

Item	Title	Vol., issue	Year	Role	ISSN	Impact factor
Research Article	Bioaccumulation and Toxicity Studies of Lead and Mercury in Laying Hens: Effects on Laying Performance, Blood Metabolites, Egg Quality and Organ Parameters	The Journal of Poultry Science (2019, 56, 4)	2018	Correspondence	1346-7395	0.880
Research Article	Multi-Carbohydase Addition Into a Corn-Soybean Meal Diet Containing Wheat and Wheat By Products to Improve Growth Performance and Nutrient Digestibility of Broiler Chickens	Journal of Applied Poultry Research (2019, 28, 2)	2019	Correspondence	1056-6171	1.015
Research Article	Differential Effects of Dietary Methionine Isomers on Broilers Challenged with Acute Heat Stress	The Journal of Poultry Science (2019, 56, 3)	2018	Correspondence	1346-7395	0.880
Research Article	Broilers fed a low protein diet supplemented with synthetic amino acids maintained growth performance and retained intestinal integrity while reducing nitrogen excretion when raised under poor sanitary conditions	Poultry Science (2019, 99, 2)	2018	Correspondence	0032-5791	2.659
Research Article	Responses in growth performance and nutrient digestibility to a multi-protease supplementation in amino acid-deficient broiler diets	Journal of Animal Science and Technology (2020, 62, 6)	2019	Correspondence	2672-0191	1.685

<sup>1</sup>The total number of papers is about 77 (<https://orcid.org/0000-0002-3693-1320>)

• **Research Funds Received**

- 2021-2025 Development of Korean Native Laying Chicken using genomic Selection and Crossbreeding (USD 230,0000/Year; RURAL DEVELOPMENT ADMINISTRATION)
- 2021-2025 Livestock transportation and lairage conditions in consideration of animal welfare (USD 100,000/Year; RURAL DEVELOPMENT ADMINISTRATION)
- 2021-2023 Development of autonomous driving robot for liter management of duck farm (USD 50,000/Year; RURAL DEVELOPMENT ADMINISTRATION)

- 2019-2021 The study of protein and amino acid of standard for raise stage of poultry (USD 70,000/Year)
  - 2020 EFFICACY OF NEXT-GENERATION ANTI-COCCIDIOSIS FORMULAE ON THE PERFORMANCE OF BROILERS AND COCCI ELIMINATION (USD 3,000; Kemin Industries)
  - Other than that, my research group received 58 funds from 2014-present (USD approximately 2,400,000).
- **Community Service**
    - Mar. 2012-Present Member of America Society of Animal Science
    - Jun. 2013-Present Member of Korea Society of Animal Science
    - Mar. 2020-Present Executive Director of Korea Poultry Science