



Frontiers in Digestive Research and Practice

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Affiliation	Kyung Hee University
Country	Republic of Korea
Major Field	Microbial ecology, Microbiology

Educational Background

2010-2015 B.S. in Biology (Department of biology, Kyung Hee University, Seoul, Korea)

2015-2022 Master & Ph.D. course in Biology (Department of Life and Nanopharmaceutical sciences and Department of Biology, Kyung Hee University, Seoul, Korea)

Professional Experience

2022-present Research professor in Biology (Department of Biology, Kyung Hee University, Seoul, Korea)

Main Scientific Publications

1. Arginine-mediated gut microbiome remodeling promotes host pulmonary immune defense against nontuberculous mycobacterial infection. *Gut Microbes*. 14(1):2073132
2. ESRRA (estrogen related receptor alpha) is a critical regulator of intestinal homeostasis through activation of autophagic flux via gut microbiota. *Autophagy*. 17(10):2856-2875
3. Gut microbiome therapy: fecal microbiota transplantation vs live biotherapeutic products. *Gut Microbes*. 16(1):2412376
4. Description of *Polaribacter batillariae* sp. nov., *Polaribacter cellanae* sp. nov., and *Polaribacter pectinis* sp. nov., novel bacteria isolated from the gut of three types of South Korean shellfish. *J Microbiol*. 60(6):576-584
5. *Parasphingorhabdus cellanae* sp. nov., isolated from the gut of a Korean limpet, *Cellana toreuma*. 72(8)
6. *Paracoccus tegillarcae* sp. nov., isolated from the gastrointestinal tract of a blood cockle (*Tegillarca granosa*). *Int J Syst Evol Microbiol*. 69(9):2815-2822
7. Mitofusin-2 boosts innate immunity through the maintenance of aerobic glycolysis and activation of xenophagy in mice. *Commun Biol*. 4(1):548
8. *Brevilactibacter coleopterorum* sp. nov., isolated from the intestine of the dark diving beetle *Hydrophilus acuminatus*, and *Weissella coleopterorum* sp. nov., isolated from the intestine of the diving beetle *Cybister lewisianus*. *Int J Syst Evol Microbiol*. 71(4)
9. *Microbulbifer echini* sp. nov., isolated from the gastrointestinal tract of a purple sea urchin, *Heliocidaris crassispina*. *Int J Syst Evol Microbiol*. 67(4):998-1004
10. *Arthrobacter echini* sp. nov., isolated from the gut of a purple sea urchin, *Heliocidaris crassispina*. *Int J Syst Evol Microbiol*. 66(4):1887-1893