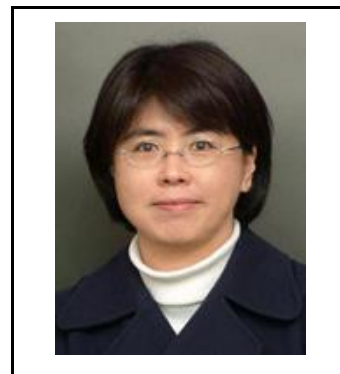


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**Education**

1992.3. - 1996.8.	Ph.D	Dept. of Chemistry, KAIST, Daejeon, Korea
1990.3. - 1992.2.	MSc	Dept. of Chemistry, KAIST, Daejeon, Korea
1985.3. - 1989.2.	BSc	Dept. of Chemistry, Kyunghee University, Seoul, Korea

Professional Experience

2015- present	Adjunct professor	Ehwa Woman University
2009- present	Adjunct professor	Chungnam National University
2005- present	Principal researcher,	Korea Basic Science Institute
2000- 2005	Research fellow	Harvard Medical School, Boston, USA

Academic Society

2018.1. - 2019.12.	President	Korea Metabolomics Society
2020-1. - 2021.12.	Vice president	Korea Chemical Society

Publications

1. Glutathione is an aging-related metabolic signature in the mouse kidney. Ahn E, Lee J, Han J, Lee SM, Kwon KS, Hwang GS*, *Aging (Albany NY)*, 2021, 13(17), 21009-21028.
2. Association between circulating bile acid alterations and nonalcoholic steatohepatitis independent of obesity and diabetes mellitus. Jung Y, Koo BK, Jang SY, Kim D, Lee H, Lee DH, Joo SK, Jung YJ, Park JH, Yoo T, Choi M, Lee MK, Kang SW, Chang MS, Kim W, Hwang GS*, *Liver Int.* 2021, 41(12), 2892-2902.
3. Purine metabolite-based machine learning models for risk prediction, prognosis, and diagnosis of coronary artery disease. Jung S, Ahn E, Koh SB, Lee SH, Hwang GS*. *Biomed Pharmacother.* 2021, 139,111621
4. Comparable Plasma Lipid Changes in Patients with High-Grade Cervical Intraepithelial Neoplasia and Patients with Cervical Cancer. Nam M, Seo SS, Jung S, Jang SY, Lee J, Kwon M, Khan I, Ryu DH, Kim MK, Hwang GS*. *J Proteome Res.* 2021, 20(1), 740-750.
5. Circulating lipidomic alterations in obese and non-obese subjects with non-alcoholic fatty liver disease. Jung Y, Lee MK, Puri P, Koo BK, Joo SK, Jang SY, Lee DH, Jung YJ, Kim BG, Lee KL, Park TS, Kang KT, Ryu DH, Kang SW, Kim D, Oh S, Kim W, Hwang GS*. *Aliment Pharmacol Ther.* 2020, 52(10), 1603-1614.
6. Fumarate modulates phospholipase A2 receptor autoimmunity-induced podocyte injury in membranous nephropathy. Jo HA, Hyeon JS, Yang SH, Jung Y, Ha H, Jeong CW, Kwak C, Kim Y, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Hwang GS*, Kim DK*. *Kidney Int.* 2021, 99(2):443-455.
7. Polyunsaturated fatty acid biosynthesis pathway determines ferroptosis sensitivity in gastric cancer. Lee JY, Nam M, Son HY, Hyun K, Jang SY, Kim JW, Kim MW, Jung Y, Jang E, Yoon SJ, Kim J, Kim J, Seo J, Min JK, Oh KJ, Han BS, Kim WK, Bae KH, Song J, Kim J, Huh YM, Hwang GS*, Lee EW*, Lee SC*. *Proc Natl Acad Sci U S A.* 2020, 22, 117(51), 32433-32442.