Curriculum Vitae

김민선 (Minseon KIM)
소속: 인천대학교 생명과학과 단백질공학실험실
E-mail: alstjs0323@inu.ac.kr
+82 010. 6456. 4792 (Mobile)
주소: 인천광역시 연수구 하모니로 265 인천대학교 바이오컴플렉스 310 호

Educational Background

2025.02 – present	Master's program, Incheon National University, Division of Life Sciences
20.03 – 2025. 02	Incheon National University (Incheon, Republic of Korea) Major: Division of Life Science Bachelor of Life Science GPA: 4.12/4.5

- Received 1/3-tuition scholarship for academic excellence (2023.09)
- Received half-tuition scholarship for academic excellence (2024.03)
- Received half-tuition scholarship for academic excellence (2024. 09)
- Received scholarship for perfect score (2024. 09)

Career

2025.03 - present	**Master's program**, Incheon National University, Division of Life Sciences
2024.06 - present	**Research assistant**, protein engineering lab, Incheon National University, Division of Life Sciences

Honors and Awards

2025. 02	표창상, Incheon National University College of Life Science & Bioengineering
2024. 10	Best Poster Award, 16th International Symposium on Natural Sciences

Publication (1st Author & Corresponding Author)

1. **Kim M**[*], Park JH[*], So B, Lee H, Yoon JH, Lee YJ, Kim D, Kwon HW, Park J, Han T, Oh S[†], Lee YH[†], Park JT[†] (Oct 29, 2025) Rapid ecotoxicity and genotoxicity assessment using *Macropodus ocellatus* cells. ([*]: co-first author, [†]: co-corresponding author) **Toxicological Research** accepted

Publication (Co-Author)

2. Park JH*, Lee YH*, Lee KS, Lee YJ, Yoon JH, So B, Kim D, **Kim M**, Kwon HW, Byun Y, Lee KY†, Park JT† (Aug 22, 2025) ε-Viniferin Rejuvenates Senescence via RGS16 Regulation: In Vitro Evidence. (*: co-first author, †: co-corresponding author) **Pharmaceutics** 18(9): 1254
3. Lee YJ[*], Song ES[*], Lee YH, Lee KS, So B, Park JH, Yoon JH, Kim D, **Kim M**, Kwon HW, Byun Y[†], Lee KY†, Park JT† (Jun 02, 2025) Dehydroacteoside rejuvenates senescence via TVP23C-CDRT4 regulation. ([*]: co-first author, [†]: co-corresponding author) **Experimental Gerontology** 207: 112800
4. Park JH[*], Jeong EY[*], Kim YH[*], Cha SY, Kim HY, Nam YK, Park JS, Kim SY, Lee YJ, Yoon JH, So B, Kim D, **Kim M**, Byun Y, Lee YH[†], Shin SS[†], Park JT[†] (Apr 23, 2025) Epigallocatechin gallate in *Camellia sinensis* ameliorates skin aging by reducing mitochondrial ROS production. ([*]: co-first author, [†]: co-corresponding author) **Pharmaceutics** 18(5): 612
5. Lee YH[*], Lim H[*], Kim G, Jang G, Kuk MU, Park JH, Yoon JH, Lee YJ, Kim D, So B, **Kim M**, Kwon HW, Byun Y[†], Park JT[†] (Apr 16, 2025) Elucidating the role and mechanism of alpha-enolase in senescent amelioration via metabolic reprogramming. ([*]: co-first author, [†]: co-corresponding author) **Cell proliferation** 2025; 0:e70049
6. So B[*], Park JH[*], **Kim M**, Lee H, Yoon JH, Lee YJ, Kim D, Kwon HW, Park J, Han T, Lee YH[†], Park JT[†] (Apr 03, 2025) Rapid and Accurate Genotoxicity Assessment Using the Neutral Comet Assay in *Cyprinus carpio* Cells. ([*]: co-first author, [†]: co-corresponding author) **Life** 15(4): 603
7. Kuk MU[*], Lee YH[*], Kim D[*], Lee KS, Park JH, Yoon JH, Lee YJ, So B, **Kim M**, Kwon HW, Lee KY†, Byun Y†, Park JT† (Feb 20, 2025) Sauchinone ameliorates senescence through reducing mitochondrial ROS production. ([*]: co-first author, [†]: co-corresponding author) **Antioxidants** 14(3): 259
8. Kuk MU[⋆], Kim D[⋆], Lee YH, Yoon JH, Park JH, Lee YJ, So B, **Kim M**, Kwon HW, Byun Y[†], Park JT† (Nov 28, 2024) Synergistic ROS Reduction Through the Co-Inhibition of BRAF and p38 MAPK Ameliorates Senescence. ([⋆]: co-first author, [†]: co-corresponding author) **Antioxidants** 13(12): 1465

9. Kuk MU, So MK, Park JH, Yoon JH, Lee YJ, Kim D, So B, Lee YH, **Kim M**, Byun Y, Kwon HW†, Park JT† (Oct 03, 2024) ROSA26 BAC-based System Enables Continuous High-yield Protein Production. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 29:1025–1033
10. Lee YH*, Kuk MU*, Park JH*, Lee H, Lee H, So MK, Yoon JH, Lee YJ, Kim D, So B, **Kim M**, Park J, Han T†, Park JT† (Sep 05, 2024) Rapid and accurate ecotoxicological assessment of heavy metals using *Cyprinus carpio* cells (*: co-first author, †: co-corresponding author) **Life** 14(9): 1119
11. Lee YH*, So BH*, Lee KS, Kuk MU, Park JH, Yoon JH, Lee YJ, Kim D, **Kim M**, Kwon HW, Byun Y†, Lee KY†, Park JT† (Sep 04, 2024) Identification of cellular isoschaftoside-mediated anti-senescence mechanism in RAC2 and LINC00294 (*: co-first author, †: co-corresponding author) **Molecules** 29(17): 4182

Patents (Registeration)

Patents (Application)

1. **김민선**, 박지호, 소병현, 이윤행, 이호준, 박지혜, 한태준, 박준태 (Jul 25, 2025), 버들붕어 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101173 (출원)
2. 소병현, 박지호, **김민선**, 이윤행, 이호준, 박지혜, 한태준, 박준태 (Jul 25, 2025), 민물고기 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101172 (출원)

Poster Presentation

1. **Kim M**, Park JT (2024) CLARIFICATION OF FORMONONETIN'S ANTI-AGING MECHANISM BY LOC107987118DOWNREGULATION. 17th International Symposium on Natural Sciences, Oct 16 ~ Oct 17, 2025, Research Institute of Basic Sciences,
2. **Kim M**, Park JT (2025) THE ANTIOXIDANT EFFECT OF FORMONONETIN IN ALLEVIATING SKIN AGING THROUGH MITOCHONDRIAL RESTORATION, 제 31 차 아시아・오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
3. **Kim M**, Park JT (2024) Ecotoxicity assessment in *Macropodus opercularis* using EC50 and comet assay. 16th International Symposium on Natural Sciences, Oct 10 ~ Oct 11, 2024, Research Institute of Basic Sciences,