

## Section VI: References

Cleveland Clinic. (2022, October 7). *What is the Endothelium?* Cleveland Clinic.

<https://my.clevelandclinic.org/health/body/23471-endothelium>

Herrala, M., Huovinen, M., Järvelä, E., Hellman, J., Tolonen, P., Lahtela-Kakkonen, M., & Rysä, J. (2023). Micro-sized polyethylene particles affect cell viability and oxidative stress responses in human colorectal adenocarcinoma Caco-2 and HT-29 cells. *Science of the Total Environment*, 867, 161512. <https://doi.org/10.1016/j.scitotenv.2023.161512>

Jin, J., Fang, F., Gao, W., Chen, H., Wen, J., Wen, X., & Chen, J. (2021). The Structure and Function of the Glycocalyx and Its Connection With Blood-Brain Barrier. *Frontiers in Cellular Neuroscience*, 15, 739699. <https://doi.org/10.3389/fncel.2021.739699>

Li, Y., Tao, L., Wang, Q., Wang, F., Li, G., & Song, M. (2023). Potential Health Impact of Microplastics: A Review of Environmental Distribution, Human Exposure, and Toxic Effects. *Environment & Health*, 1(4). <https://doi.org/10.1021/envhealth.3c00052>

*Microplastics – Pollution Tracker.* (2016). Pollutiontracker.org.

<https://pollutiontracker.org/contaminants/microplastics/>

Olabode, L., & Fulmer, A. (n.d.). *Microplastics in Water.*

[https://www.waterrf.org/sites/default/files/file/2020-02/Microplastics\\_Factsheet.pdf](https://www.waterrf.org/sites/default/files/file/2020-02/Microplastics_Factsheet.pdf)

Reitsma, S., Slaaf, D. W., Vink, H., van Zandvoort, M. A. M. J., & oude Egbrink, M. G. A. (2007). The endothelial glycocalyx: composition, functions, and visualization. *Pflügers Archiv - European Journal of Physiology*, 454(3), 345–359.

<https://doi.org/10.1007/s00424-007-0212-8>

Roeloffs, M. W. (2024, May 22). *Microplastics Have Been Found In Human Blood, Hearts, Testicles—Here's How They Got There*. Forbes.

<https://www.forbes.com/sites/maryroeloffs/2024/05/22/how-do-microplastics-get-in-human-body-found-in-hearts-testicals-blood-health-risk-nanoplastics/>

Schmid, C., Cozzarini, L., & Zambello, E. (2021). Microplastic's story. *Marine Pollution Bulletin*, 162, 111820. <https://doi.org/10.1016/j.marpolbul.2020.111820>

Shi, R., Liu, W., Lian, Y., Wang, Q., Zeb, A., & Tang, J. (2022). Phytotoxicity of polystyrene, polyethylene and polypropylene microplastics on tomato (*Lycopersicon esculentum* L.). *Journal of Environmental Management*, 317, 115441.

<https://doi.org/10.1016/j.jenvman.2022.115441>

Villalba, N., Baby, S., & Yuan, S. Y. (2021). The Endothelial Glycocalyx as a Double-Edged Sword in Microvascular Homeostasis and Pathogenesis. *Frontiers in Cell and Developmental Biology*, 9, 711003. <https://doi.org/10.3389/fcell.2021.711003>

Vlácil, A.-K., Bänfer, S., Jacob, R., Trippel, N., Kuzu, I., Schieffer, B., & Grote, K. (2021). Polystyrene microplastic particles induce endothelial activation. *PLOS ONE*, 16(11), e0260181. <https://doi.org/10.1371/journal.pone.0260181>

Wang, W., Zhang, J., Qiu, Z., Cui, Z., Li, N., Li, X., Wang, Y., Zhang, H., & Zhao, C. (2022). Effects of polyethylene microplastics on cell membranes: A combined study of experiments and molecular dynamics simulations. *Journal of Hazardous Materials*, 429, 128323. <https://doi.org/10.1016/j.jhazmat.2022.128323>