

DAFTAR PUSTAKA

- Agac, D. K., Onuk, B., Gundemir, O., Kabak., M., Manuta, N., Çakar, B., Janeczek, M., Crampton, D. Amber., & Szara, T. 2024. Comparative Cranial Geometric Morphometrics among Wistar Albino, Sprague Dawley, and WAG/Rij Rat Strains. *Animals*. 14(9), 1-15.
- Anggarasari, Y. E., Luqman, M., Poernomo, B., & Handijatno, D. 2014. Pengaruh Pemaparan Karbofuran terhadap Gambaran Diameter Pulpa Putih Limpa Mencit (*Mus musculus*). *Veterinaria Medika*. 7(2), 100-105.
- Arowojolu, I. M., Alves, I. O., Benson, N. U., & Sodre, F. F. 2023. Microplastics in Aquatic Environments: A Growing, Unresolved Concern. *Chemistry of The Total Environment*. 3(1), 8-22.
- Athaya, R. T., Aditya, M. R., Lestari, B., & Sulistomo, H. W. 2025. Sub-Acute *Polyethylene* Microplastic Inhalation Exposure Induced Pulmonary Toxicity in Wistar Rats through Inflammation and Oxidative Stress. *Toxicology Reports*. 14(1), 1-7.
- Bancroft, J. D., Layton, C., & Suvarna, S. K. 2019. *Bancroft's Theory and Practice of Histological Techniques* (8th Ed.). Churchill Livingstone (Elsevier).
- Bashirova, N. S., Poppitz, D., Kluver, N., Scholz, S., Matysik, J., & Alia, A. 2023. A Mechanistic Understanding of The Effects of *Polyethylene Terephthalate* Nanoplastics in The Zebrafish (*Danio rerio*) Embryo. *Scientific Reports*. 13(1), 1-14.
- Bhowmik, A., Saha, G., & Saha, S. C. 2024. Microplastics in Animals: The Silent Invasion. *Pollutants*. 4(4), 490-497.
- Blackburn, K., & Green, D. S. 2022. The Potential Effects of Microplastics on Human Health: What is Known and What is Unknown. *AMBIO*. 50(7), 518-530.
- Boriello, L., Scivicco, M., Cacciola, N. A., Esposito, F., Saverino, L., & Cirillo, T. 2023. Microplastics, a Global Issue: Human Exposure through Environmental and Dietary Sources. *Foods*. 12(1), 1-21.
- Bronte, V., & Pittet, M. J. 2013. The Spleen in Local and Systemic Regulation of Immunity. *Immunity*. 39(5), 806-818.
- Brower, M., Grace, M. K., Kotz, C. M., & Koya, V. 2015. Comparative Analysis of Growth Characteristics of Sprague Dawley Rats Obtained from Different Sources. *Laboratory Animal Research*. 31(4), 166-173.
- Capitanio, D., Leone, R., Fania, C., Torretta, E., & Gelfi, C. 2016. Sprague Dawley

- Rats: A Model of Successful Heart Aging. *EuPa Open Proteomics*. 12(1), 22-30.
- Cheng, J., Yuan, Z., Yang, W., Xu, C., Cong, W., Lin, L., Zhao, S., Sun, W., Bai, X., & Cui, S. 2017. Comparative Study of Macrophages in Naked Mole Rats and ICR Mice. *Oncotarget*. 8(57), 1-11.
- Cui, L., Digiacomio, L., Xiao, S., Wang, J., Amici, A., Pozzi, D., Caracciolo, G., & Marchini. 2023. Insights into The Effect of *Polyethylene Terephthalate* (PET) Microplastics on HER2 Signaling Pathways. *Toxicology in Vitro*. 91(1), 1-5.
- Dewi, A. K., Purwanto, B., & Widjiati. 2023. *Molecular Histopathology and Cytopathology*. IntechOpen.
- Ding, R., Dong, Y., Ouyang, Z., Zuo, X., & Guo, X. 2023. Reducing Uncertainty and Confronting Ignorance about The Potential Impacts of Microplastic on Animals: A Critical Review. *Trends in Analytical Chemistry*. 171(1), 1-13.
- Du, B., Li, T., Xu, X., Zhang, C., Lu, X., Wang, Y., Cao, J., Lu, Y., Liu, Y., Hu, S., Li, J., Li, L., & Shi, M. 2024. Analysis of Biodistribution and *in vivo* Toxicity of Varying Sized Polystyrene Micro and Nanoplastics in Mice. *International Journal of Nanomedicine*. 19(1), 7617-7630.
- Elmore, S. A. 2012. Enhanced Histopathology of The Immune System. *Toxicologic Pathology*. 40(2), 148-156.
- El-Waseef, D. A. E. A. 2020. A Highlight on CD4+ T-Cells in The Spleen in A Rat Model of Rheumatoid Arthritis and Possible Therapeutic Effect of Omega-3: Histological and Immunofluorescence Study. *International Immunopharmacology*. 81(1), 1-9.
- Enyoh, C. E., Devi, A., Kadono, H., Wang, Q., & Rabin, M. H. 2023. The Plastic Within: Microplastics Invading Human Organs and Bodily Fluids Systems. *Environments*. 10(11), 1-18.
- Galecka, I., & Calka, J. 2024. Microplastic and The Enteric Nervous System: Effect of PET Microparticles on Selected Neurotransmitters and Cytokines in The Porcine Ileum. *International Journal of Molecular Sciences*. 25(21), 1-19.
- Gluchcheva, Y., Atanasov, V., Ivanova, J., & Mitewa, M. 2012. Cobalt Induced Changes in The Spleen of Mice from Different Stages of Development. *Journal Toxicology and Environmental Health*. 75(22), 1418-1422.
- Grote, K., Brustle, F., & Vlacil, A. K. 2023. Cellular and Systemic Effects of Micro and Nanoplastics in Mammals, What We Know So Far. *Materials*. 16(8), 1-18.
- Guo, T., Geng, X., Zhang, Y., Hou, L., Lu, H., Xing, M., & Wang, Y. 2024. New

- Insights into The Spleen Injury by Mitochondrial Dysfunction of Chicken Under Polystyrene Microplastics Stress. *Poultry Science*. 103(1), 1-9.
- Harusato, A., Seo, W., Abo, H., Nakanishi, Y., Nishikawa, H., & Itoh, Y. 2024. Impact of Particulate Microplastics Generated from *Polyethylene Terephthalate* on Gut Pathology and Immune Microenvironments. *iScience*. 1(1), 1-17.
- Herawati, T., Anggraini, R. N., Yulianto, E., & Suteja, Y. 2024. Assessment of Microplastic Characterization and Distribution from Surface Water and The Seabed in The Flores Sea, Indonesia. *Frontiers in Marine Science*. 11(1), 1-13.
- Hermida, M. R., de Melo, C. V. B., Lima, I. S, Oliveira, G. G. S., & dos-Santos, W. L. C. 2018. Histological Disorganization of Spleen Compartments and Severe Visceral Leishmaniasis. *Frontiers in Cellular and Infection Microbiology*. 8(1), 1-10.
- Ikpegbu, E., Ibe, C. S., Nlebedum, U. C., & Nnadozie, O. 2019. The Spleen Morphology of The African Giant Pouch Rat (*Cricetomys gambianus* Waterhouse, 1840) from Eastern Nigeria. *Journal of Animal Husbandry and Dairy Science*. 9(1), 20-25.
- Integrated Taxonomic Information System (ITIS)*. 2025. *Rattus norvegicus* (Barkenhout, 1769) Report. Online. Tersedia Dalam <https://www.itis.gov/>. Diakses pada 26 September 2025.
- Jeong, E. J., Lee, J. Y., & Redwan, M. 2024. Animal Exposure to Microplastics and Health Effects: A Review. *Emerging Contaminants*. 10(1), 1-11.
- Jiang, Y. X., Li, Q., Wang, Y., Jin, J., Wei, W., Zhang, Y., & Yang, H. 2023. Polyester Microplastic Fibers Induce Mitochondrial Damage, Apoptosis and Oxidative Stress in *Daphnia carinata*, Accompanied by Changes in Apoptotic and Ferroptosis Pathway. *Aquatic Toxicology*. 263(1), 1-10.
- Khan, A., & Jia, Z. 2023. Recent Insights into Uptake, Toxicity, and Molecular Targets of Microplastics and Nanoplastics Relevant to Human Health Impacts. *iScience*. 26(1), 1-43.
- Kim, J., Maruthupandy, M., An, K. S., Lee, K. H., Jeon, S., Kim, J., & Cho, W. 2021. Acute and Subacute Repeated Oral Toxicity Study of Fragmented Microplastics in Sprague-Dawley Rats. *Ecotoxicology and Environmental Safety*. 228(1), 1-8.
- La Porta, E., Exacoustos, O., Lugani, F., Angeletti, A., Chiarenza, D.S., Bigatti, C., Spinelli, S., Kajana, X., Garbarino, A., Bruschi, M., Candiano, G., Caridi, G., Mancianti, N., Calatroni, M., Verzola, D., Esposito, P., Viazzi, F., Verrina, E., & Ghiggeri, G. M. 2023. Microplastics and Kidneys: An Update on The Evidence for Deposition of Plastic Microparticles in Human Organs,

- Tissues and Fluids and Renal Toxicity Concern. *International Journal of Molecular Sciences*. 24(18), 1-18.
- Lee, D. W. Jung, J., Park, S., Lee, Y., Kim, J., Han, C., Kim, Hwan. C., Lee, J. H., & Hong, Y. C. 2024. Microplastic Particles in Human Blood and Their Association with Coagulation Markers. *Scientific Reports*. 14(1), 1-10.
- Lewis, S. M., Williams, A., & Eisenbarth, S. C. 2019. Structure and Function of The Immune System in The Spleen. *Science Immunology*. 4(33), 1-25.
- Li, J., Huang, F., Zhang, G., Zhang, Z., & Zhang, X. 2023. Separation and Flow Cytometry Analysis of Microplastics and Nanoplastics. *Frontiers in Chemistry*. 11(1), 1-15.
- Li, T., Bian, B., Ji, R., Zhu, X., Wo, X., Song, Q., Li, Z., Wang, F., & Jia, Y. 2024. *Polyethylene Terephthalate* Microplastic Exposure Induced Reproductive Toxicity through Oxidative Stress and P38 Signaling Pathway Activation in Male Mice. *Toxics*. 12(1), 1-16.
- Liu, X., Zheng, H., Li, H., & Chen, Y. 2023. An Investigation into The Environmental and Human Health Implications of Microplastic Toxicity. *Social Science, Humanities and Sustainability Research*. 4(5), 110-115.
- Liu, X. Liang, C., Zhou, M., Chang, Z., & Li, C. 2023. Exposure of *Cyprinus carpio* var. larvae to PVC Microplastics Reveals Significant Immunological Alterations and Irreversible Histological Organ Damage. *Ecotoxicology and Environmental Safety*. 249(1), 1-8.
- Lu, T., Liu, H., Yuan, X., Li, D., Zhang G., Wang, Y., Xie, Q., Wang, X., Chi, J., Wang, Z., Wang, S., Gao, Y., Zhou, L., & Xu, M. 2025. Chronic Exposure to *Polyethylene Terephthalate* Microplastics Induces Gut Microbiota Dysbiosis and Disordered Hepatic Lipid Metabolism in Mice. *Ecotoxicology and Environmental Safety*. 298(1), 1-13.
- Meshram, L. N., & Mhatre, K. 2024. Microplastics: Impacts on Environment and Human Health Hazards. *Uttar Pradesh Journal of Zoology*. 45(4), 22-33.
- Morita, J., Yamashita, H., Sugihara, K., Wakamatsu, M., & Sasaki, M. 2020. Spontaneous Ocular Abnormalities in Sprague-Dawley Rats. *Comparative Medicine*. 70(2), 140-144.
- Nair, H. T., Sivaraman, R., Ponnusamy, S., Palanisamy, R. & Perumal, S. 2025. Microplastic Particles as a Vector for Toxic-Heavy Metals: A Study on Selective Aquatic and Terrestrial Ecosystems. *Sustainable Chemistry One World*. 7(1), 1-3.
- Ningtias, P. L., Suprihatih, T., & Sitasiwi, A. J. 2024. Struktur Histologis Pulpa Putih Limpa Tikus Putih (*Rattus norvegicus* L.) setelah Pemberian Sediaan Nanokitosan Ekstrak Etanol Daun Mimba (*Azadirachta indica* A. Juss).

Jurnal Sain Veteriner. 42(3), 448-456.

- Nugroho, R.A. (2018). *Mengenal Mencit Sebagai Hewan Uji*. Mulawarman University Press.
- O'Connor, A., Irhin, K., Sabo-Attwood, T., & Gray, A. 2025. Toxicological Impacts of Microplastic Fibers: A Review Assessing Risk to Human and Aquatic Health. *Environmental Research*. 288(1), 1-17.
- O'Neill, S. M., & Lawler, J. 2021. Knowledge Gaps on Micro and Nanoplastics and Human Health: A Critical Review. *Case Studies in Chemical and Environmental Engineering*. 3(1), 1-7.
- Olam, M. 2021. *PET: Production, Properties and Applications*. Nova Science Publisher.
- Pal, D., Prabhakar, R., Barua, V. B., Zekker, I., Burlakovs, J., Krauklis, A., Hogland, W., & Gaile, Z. V. 2025. Microplastics in Aquatic Systems: a Comprehensive Review of its Distribution, Environmental Interactions, and Health Risks. *Environmental Science and Pollution Research*. 32(1), 56–88.
- Pang, L. Y., Sonagara, S., Oduwole, O., Gibbins, C., & Ting, K. T. 2021. Microplastics An Emerging Silent Menace to Public Health. *Life Science and Medicine Bioscience*. 5(1), 1-8.
- Pathak, S. 2023. PET Microplastics and Grand Challenges: Effects on CNS and Detection/Degradation Methods. *Journal of Student Research*. 12(4), 1-8.
- Paul, M. B., Stock, V., Cara-Carmona, J., Lisicki, E., Shopova, S., Fessard, V., Braeuning, A., Sieg, H., & Bohmert, L. 2020. Micro and Nanoplastics Current State of Knowledge with The Focus on Oral Uptake and Toxicity. *The Royal Society of Chemistry*. 2(1), 4350-4367.
- Piao, Y., Liu, Y., & Xie, X. 2013. Change Trends of Organ Weight Background Data in Sprague Dawley Rats at Different Ages. *Journal of Toxicology and Pathology*. 26(1), 29-34.
- Pivkin, I. V., Peng, Z., Karniadakis, G. E., Buffet, P. A., Dao, M., & Suresh, S. 2016. Biomechanics of Red Blood Cells in Human Spleen and Consequences for Physiology and Disease. *PNAS*. 113(28), 7804-7809.
- Prata, J. C., Venancio, C., da Costa, J. P., Lopes, I., Duarte, A. C., Roscha-Santos, T. 2021. Considerations When Using Microplates and Neubauer Counting Chamber in Ecotoxicity Tests on Microplastics. *Marine Pollution Bulletin*. 170(1), 1-6.
- Puckett, E. E., Micci-Smith, O., & Munshi-South, J. 2018. Genomic Analyses Identify Multiple Asian Origins and Deeply Diverged Mitochondrial Clades

- in Inbred Brown Rats (*Rattus norvegicus*). *Evolutionary Applications*. 11(6), 718-726.
- Raje, K. R., Williams, M. T., & Vorhees, C. V. 2025. Comparison of Sprague Dawley with Long Evans Rats on A Battery of Widely Used Neurobehavioral Tests. *Physiology & Behavior*. 294(1), 1-15.
- Ramadhan, Y. A., Masitah, M., Nasution, R., & Serena, N. A. 2026. Identifikasi Cemaran Mikroplastik pada Ikan Nila (*Oreochromis niloticus*) dan Ikan Puyau (*Osteochilus vittatus*) di Perairan Waduk Benanga, Samarinda. *Biocaster: Jurnal Kajian Biologi*. 6(1), 603-615.
- Rochon, J., Gondan, M., & Kieser, M. 2012. To Test or Not To Test: Preliminary Assessment of Normality When Comparing Two Independent Samples. *BMC Medical Research Methodology*. 12(81), 1-11.
- Romaskila, U., Widiastuti, E. L., Susanto, G. N., Damai, A. A., & Juliasih, N. L. G. R. 2023. Karakteristik Warna dan Ukuran Mikroplastik yang Ditemukan pada Air dan Kerang Hijau di Pulau Pasaran, Lampung. *Journal of Tropical Marine Science*. 6(2), 1-8.
- Rosari, A., & Budiawan, B. 2024. Toxicity of *Polyethylene Terephthalate* Microplastics and *Dimethyl Phthalate* in Male Sprague-Dawley Rats: Insights into Oxidative Stress, DNA Damage, and Histopathological Impacts. *Chemosphere*. 385 (1), 1-13.
- Rosidah, I., Ningsih, S., Renggani, T. N., Agustini, K., & Efendi, J. 2020. Profil Hematologi Tikus (*Rattus norvegicus*) Galur Sprague-Dawley Jantan Umur 7 dan 10 Minggu. *Jurnal Bioteknologi & Biosains Indonesia*. 7(1), 136-145.
- Said, N. M., & Abiola, O. 2014. Haematological Profile Shows That Inbred Sprague Dawley Rats Have Exceptional Promise for Use in Biomedical and Pharmacological Studies. *Asian Journal of Biomedical and Pharmaceutical Sciences*. 4(37), 33-37.
- Saidov, A. A., Ochilov, K. R., Xatamova, S. M., Qizi, H. N. A., Rizayevna, M. N., & Floridovna, S. T. 2023. Data from Foreign Literature on The Morphofunctional Properties of Lymphoid Cells of The Spleen. *Journal of Advanced Zoology*. 44(7), 36-40.
- Sharma, R., & Kaushik, H. 2021. Micro-Plastics: An Invisible Danger to Human Health. *CGC International Journal of Contemporary Research*. 3(2), 182-186.
- Silva, A. V. A. da, Figueiredo, F. B., Menezes, R. C., Mendes-Junior, A. A., Miranda, L. H. M. de, Cupolillo, E., Porrozzi, R., & Morgado, F. N. 2018. Morphophysiological Changes in The Splenic Extracellular Matrix of *Leishmania infantum* Naturally Infected Dogs is Associated with Alterations in Lymphoid Niches and The CD4+ T Cell Frequency in

- Spleens. *PLOS Neglected Tropical Diseases*. 12(4), 1-16.
- Silva-Santana G., Silva, L. E., Silva, J. F. R., Goncalves, A., Mattos-Guaraldi, A. L., & Almeida, K. C. L. 2021. Descriptive Comparative Anatomohistological Study of the Main Dissected Organs of *Mus musculus* and *Rattus norvegicus* for Experimental Model Research. *Analytical and Quantitative Cytopathology and Histopathology*. 43(2), 90-106.
- Steiniger, B. 2015. Human Spleen Microanatomy: Why Mice Do Not Suffice. *Immunology*. 145(3), 334-346.
- Stojanovic, G. I., Drakulic, D., Todorovic, A., Martinovic, J., Filipovic, N., & Stojanovic, Z. 2024. Acute Toxicity Assessment of Orally Administered Microplastic Particles in Adult Male Wistar Rats. *Toxics*. 12(3), 1-13.
- Suljevic, D., Karlsson, P., Focak, M., Brulic, M. M., Sulejmanovic, J., Sehovic, E., Sarndahl, E., Engwall, M., & Alijagic, A. 2025. Microplastics and Nanoplastics Co-Exposure Modulates Chromium Bioaccumulation and Physiological Responses in Rats. *Environment International*. 198(1), 1-11.
- Sun, A., & Wang, W. X. 2023. Human Exposure to Microplastics and its Associated Health Risks. *Environmental Health*. 1(1), 139-149.
- Tamelan, C. S. C., Madyaningrana, K., & Prakasita, V. C. 2022. The Effect of Kesambi Bark Extract on Mice Lymphocyte Count and Spleen Index. *Jurnal Biologi Lingkungan, Industri, Kesehatan*. 8(2), 195-206.
- Teodoro, L. De S., Jablonski, C. A., Pelegrini, K., Pereira, T. C. B., Maraschin, T. G., Araujo, A. C. De S., Monserrat, J. M., Basso, N. R. De S., Kist, L. W., & Bogo, M. R. 2024. Toxic Effects of Environmental-Relevant Exposure to *Polyethylene Terephthalate* (PET) Micro and Nanoparticles in Zebrafish Early Development. *Nanoimpact*. 33(1), 1-10.
- Treuting, P. M., Dintzis, S. M., & Montine, K. S. 2018. *Comparative Anatomy and Histology: A Mouse, Rat, and Human Atlas* (2nd Ed.). Elsevier Academic Press.
- Tse, Y. T., Lo, H. S., Chan, S. M. N., & Sze, E. T. P. 2022. Flow Cytometry as a Rapid Alternative to Quantify Small Microplastics in Environmental Water Samples. *Water*. 14(9), 1-18.
- Turdiyev, M. R., & Sokhibova, Z. R. 2021. Morphometric Characteristics of The Spleen of White Rats in Normal and in Chronic Radiation Disease. *The American Journal of Medical Sciences and Pharmaceutical Research*. 3(2), 146-154.
- Utari, D., Hayati, A., Permatasari, I., Abroroh, L. A., Qatrunada, N., Rosida, Maulidah, S., Hayati, M., Setiyowati, P. A. I., Winarni, D., Sugiharto, Dewi,

- F. R. P. D., Pramudya, M., & Ainurrohim. 2025. Effect of Polystyrene Nanoplastic on Colon, Liver, and Spleen Histopathology of Rats (*Rattus norvegicus* L.). *LenteraBio*. 14(2), 219-228.
- Vasquez, B., Sandoval, C., Smith, R. L., & del Sol, M. 2015. Effects of Early and Late Adverse Experiences on Morpho-Quantitative Characteristics of Sprague-Dawley Rat Spleen Subjected to Stress During Adulthood. *International Journal of Clinical and Experimental Pathology*. 8(4), 3624-3635.
- Wang, Z., Li, N., Ding, Y., Li, N., Su, M., Zhang, C., Li, Y., Wang, Q., Sha, C., Xia, B., Cheng, J., & Jiang, G. 2025. Microplastics and Human Health: Exposure Pathways, Toxicity Mechanisms, and Future Research Challenges. *Journal of Environmental Chemical Engineering*. 13(1), 1-18.
- Warmansyah, F., Sari, S. M., Wardeni, S., Kamal, E., Berd, I., & Razak, A. 2023. Review of Microplastic Pollution in Indonesian Waters. *Science and Environmental Journals for Postgraduate*. 5(2), 145-152.
- Weber, K., Razinger, T., Hardisty, J. F., Mann, P., Martel, K., Frische, E., Blumbach, K., Hillen, S., Song, S., Anzai, T., & Chevalier, H. 2011. Differences in Rat Models Used in Routine Toxicity Studies. *International Journal of Toxicology*. 30(2), 162-173.
- Willard-Mack, C. L., Elmore, S. A., Hall, W. C., Harleman, J., Kuper, C. F., Losco, P., Rehg, J. E., Rühl-Fehlert, C., Ward, J. M., Weinstock, D., Bradley, A., Hosokawa, S., Pearse, G., Mahler, B. W., Herbert, R. A., & Keenan, C. M. 2019. Nonproliferative and Proliferative Lesions of the Rat and Mouse Hematolymphoid System. *Toxicologic Pathology*. 47(6), 665-783.
- Yang, W., Jannatun, N., Zeng, Y., Liu, T., Zhang, G., Chen, C., & Li, Y. 2022. Impacts of Microplastics on Immunity. *Frontiers in Toxicology*. 1(1), 1-14.
- Zhang, Q., Zhang, Y., Jing, L., & Zhao, H. 2024. Microplastics Induced Inflammation in The Spleen of Developmental Japanese Quail (*Coturnix japonica*) via ROS-Mediated p38 MAPK and TNF Signaling Pathway Activation. *Environmental Pollution*. 341(1), 1-11.
- Zhang, Z. Chen, W., Chan, H., Peng, J., Zhu, P., Li, J., Jiang, X. Zhang, Z., Wang, Y., Tan, Z., Peng, Y., Zhang, S., Lin, K., & Yung, K. K. L. 2024. Polystyrene Microplastics Induce Size-Dependent Multi-Organ Damage in Mice: Insights into Gut Microbiota and Fecal Metabolites. *Journal of Hazardous Materials*. 461(1), 1-17.
- Zhang, X., Yu, C., Wang, P., & Yang, C. 2025. Microplastics and Human Health: Unraveling The Toxicological Pathways and Implications for Public Health. *Frontiers in Public Health*. 13(1), 1-14.
- Zhao, Q., Feng, W., Gao, P., han, Y., Zhang, S., Zhou, A., Shi, L., & Zhang, J. 2024.

Deoxynivalenol-Induced Spleen Toxicity in Mice: Inflammation, Endoplasmic Reticulum Stress, Macrophage Polarization, and The Dysregulation of LncRNA Expression. *Toxins*. 16(1), 1-16.

Zolotova, N., Kosyreva, A., Dzhililova, D., Fokichev, N., & Makarova, O. 2022. Harmful Effects of The Microplastic Pollution on Animal Health: A Literature Review. *Peerj*. 10(1), 1-23.