

## DAFTAR PUSTAKA

- Ahmadpour, S. T., Mahéo, K., Servais, S., Brisson, L., & Dumas, J. F. (2020). Cardiolipin, the mitochondrial signature lipid: Implication in cancer. *International Journal of Molecular Sciences*, 21(21), 1–16. <https://doi.org/10.3390/ijms21218031>
- Alberts, B., Johnson, A., Lewis, J., Morgan, D., Raff, M., Roberts, K., & Walter, P. (2017). Molecular Biology of the Cell. In *Molecular Biology of the Cell*. <https://doi.org/10.1201/9781315735368>
- American Type Culture Collection. (n.d.). SH-SY5Y (Human neuroblastoma) [Photograph]. ATCC. <https://www.atcc.org/products/crl-2266#detailed-product-images>
- Amini, S., & White, M. K. (2013). Neuronal cell culture: methods and protocols. in neuronal cell culture. <https://api.semanticscholar.org/CorpusID:82155997>
- Amoroso, L., Erminio, G., Makin, G., Pearson, A. D. J., Brock, P., Valteau-Couanet, D., Castel, V., Pasquet, M., Laureys, G., Thomas, C., Luksch, R., Ladenstein, R., Haupt, R., & Garaventa, A. (2018). Topotecan-vincristine-doxorubicin in stage 4 high-risk neuroblastoma patients failing to achieve a complete metastatic response to rapid COJEC: A SIOPEN study. *Cancer Research and Treatment*, 50(1), 148–155. <https://doi.org/10.4143/crt.2016.511>
- Arrigoni, R., Jirillo, E., & Caiati, C. (2025). *Pathophysiology of Doxorubicin-Mediated Cardiotoxicity*. 1–16. <https://doi.org/10.3390/toxics13040277>
- Aryal, B., & Rao, V. A. (2016). Deficiency in cardiolipin reduces doxorubicin-induced oxidative stress and mitochondrial damage in human B-lymphocytes. *PLoS ONE*, 11(7), 1–20. <https://doi.org/10.1371/journal.pone.0158376>
- Bajgelman, M. C. (2019). Principles and applications of flow cytometry. In *Data Processing Handbook for Complex Biological Data Sources*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-816548-5.00008-3>
- Çelik Turgut, G. (2023). A comparative study of the antiproliferative and apoptotic effects of some chemotherapeutic drugs on neuroblastoma cells. *Bitlis Eren Üniversitesi Fen Bilimleri Dergisi*, 12(3), 634–641. <https://doi.org/10.17798/bitlisfen.1258011>
- Chen, Q., Kang, J., & Fu, C. (2018). The independence of and associations among apoptosis, autophagy, and necrosis. *Signal Transduction and Targeted Therapy*, 3(1). <https://doi.org/10.1038/s41392-018-0018-5>
- Chiocchetti, A. G., Haslinger, D., Stein, J. L., De La Torre-Ubieta, L., Cocchi, E., Rothämel, T., Lindlar, S., Waltes, R., Fulda, S., Geschwind, D. H., & Freitag, C. M. (2016). Transcriptomic signatures of neuronal differentiation and their

- association with risk genes for autism spectrum and related neuropsychiatric disorders. *Translational Psychiatry*, 6(8). <https://doi.org/10.1038/tp.2016.119>
- Chota, A., George, B. P., & Abrahamse, H. (2021). Interactions of multidomain pro-apoptotic and anti-apoptotic proteins in cancer cell death. *Oncotarget*, 12(16), 1615–1626. <https://doi.org/10.18632/ONCOTARGET.28031>
- Costigan, A., Hollville, E., & Martin, S. J. (2023). Discriminating Between Apoptosis, Necrosis, Necroptosis, and Ferroptosis by Microscopy and Flow Cytometry. *Current Protocols*, 3(12), 1–31. <https://doi.org/10.1002/cpz1.951>
- Cotino-Nájera, S., Herrera, L. A., Domínguez-Gómez, G., & Díaz-Chávez, J. (2023). Molecular mechanisms of resveratrol as chemo and radiosensitizer in cancer. *Frontiers in Pharmacology*, 14(November), 1–24. <https://doi.org/10.3389/fphar.2023.1287505>
- D'Arcy, M. S. (2019). Cell death: a review of the major forms of apoptosis, necrosis and autophagy. *Cell Biology International*, 43(6), 582–592. <https://doi.org/10.1002/cbin.11137>
- Da Costa, D. C. F., Fialho, E., & Silva, J. L. (2017). Cancer chemoprevention by resveratrol: The P53 tumor suppressor protein as a promising molecular target. *Molecules*, 22(6). <https://doi.org/10.3390/molecules22061014>
- Davila, J. C., Levin, S., & Radi, Z. A. (2018). Cell Injury and Necrosis. In *Comprehensive Toxicology, Third Edition: Volume 1-15* (Third Edit, Vol. 8). Elsevier. <https://doi.org/10.1016/B978-0-12-801238-3.64220-4>
- DB-ALM Protocol n° 216 : Cell culture protocol for the SH-SY5Y neuroblastoma cell line Résumé.* (2015). 681002, 1–7.
- Del Re, D. P., Amgalan, D., Linkermann, A., Liu, Q., & Kitsis, R. N. (2019). Fundamental mechanisms of regulated cell death and implications for heart disease. *Physiological Reviews*, 99(4), 1765–1817. <https://doi.org/10.1152/physrev.00022.2018>
- Delmas, D., Solary, E., & Latruffe, N. (2011). Resveratrol, a Phytochemical Inducer Of Multiple Cell Death Pathways: Apoptosis, Autophagy And Mitotic Catastrophe. *Current Medicinal Chemistry*, 18(8), 1100–1121. <https://doi.org/10.2174/092986711795029708>
- Ferlay, J., Colombet, M., Soerjomataram, I., Parkin, D. M., Piñeros, M., Znaor, A., & Bray, F. (2021). Cancer statistics for the year 2020: An overview. *International Journal of Cancer*, 149(4), 778–789. <https://doi.org/10.1002/ijc.33588>
- Forster, J. I., Köglberger, S., Trefois, C., Boyd, O., Baumuratov, A. S., Buck, L., Balling, R., & Antony, P. M. A. (2016). Characterization of differentiated SH-SY5Y as neuronal screening model reveals increased oxidative vulnerability. *Journal of Biomolecular Screening*, 21(5), 496–509.

<https://doi.org/10.1177/1087057115625190>

Fu, Y., Ye, Y., Zhu, G., Xu, Y., Sun, J., Wu, H., Feng, F., Wen, Z., Jiang, S., Li, Y., & Zhang, Q. (2020). Resveratrol induces human colorectal cancer cell apoptosis by activating the mitochondrial pathway via increasing reactive oxygen species. *Molecular Medicine Reports*, 23(3), 1–7. <https://doi.org/10.3892/MMR.2020.11809>

Fulda, S., Gorman, A. M., Hori, O., & Samali, A. (2010). Cellular stress responses: Cell survival and cell death. *International Journal of Cell Biology*, 2010. <https://doi.org/10.1155/2010/214074>

Gabal, A. M. S. (2024). *Biological and Biomedical Journal*. 2(Cdc), 1–17. <https://doi.org/10.21608/bbj.2025.395978>

Geske, F. J., Lieberman, R., Strange, R., & Gerschenson, L. E. (2001). Early stages of p53-induced apoptosis are reversible. *Cell Death and Differentiation*, 8(2), 182–191. <https://doi.org/10.1038/sj.cdd.4400786>

Ghosh, S., & Ghosh, A. (2021). Activation of DNA damage response signaling in mammalian cells by ionizing radiation. *Free Radical Research*, 55(5), 581–594. <https://doi.org/10.1080/10715762.2021.1876853>

Gielecińska, A., Kciuk, M., Yahya, E. B., Ainane, T., Mujwar, S., & Kontek, R. (2023). Apoptosis, necroptosis, and pyroptosis as alternative cell death pathways induced by chemotherapeutic agents? *Biochimica et Biophysica Acta - Reviews on Cancer*, 1878(6). <https://doi.org/10.1016/j.bbcan.2023.189024>

Gonçalves, C., Martins-Neves, S. R., Paiva-Oliveira, D., Oliveira, V. E. B., Fontes-Ribeiro, C., & Gomes, C. M. F. (2015). Sensitizing osteosarcoma stem cells to doxorubicin-induced apoptosis through retention of doxorubicin and modulation of apoptotic-related proteins. *Life Sciences*, 130, 47–56. <https://doi.org/10.1016/j.lfs.2015.03.009>

González-Sarriás, A., Núñez-Sánchez, M. Á., Tomás-Barberán, F. A., & Espín, J. C. (2017). Neuroprotective effects of bioavailable polyphenol-derived metabolites against oxidative stress-induced cytotoxicity in human neuroblastoma SH-SY5Y cells. *Journal of Agricultural and Food Chemistry*, 65(4), 752–758. <https://doi.org/10.1021/acs.jafc.6b04538>

Hamad, S. H., Mosleh, Z. H., Nasir, K. M., Hameed, A. T., & Eskander, G. (2024). Resveratrol inhibits cell cycle dynamics, caspase activation, and programmed cell death: implications for cancer treatment in mcf-7 cells. *Egyptian Journal of Veterinary Science(Egypt)*, 55(6), 1659–1668. <https://doi.org/10.21608/EJVS.2024.263893.1787>

- Hayward, R., Hydock, D., Gibson, N., Greufe, S., Bredahl, E., & Parry, T. (2013). Tissue retention of doxorubicin and its effects on cardiac, smooth, and skeletal muscle function. *Journal of Physiology and Biochemistry*, 69(2), 177–187. <https://doi.org/10.1007/s13105-012-0200-0>
- Hu, L. F., Lan, H. R., Li, X. M., & Jin, K. T. (2021). A systematic review of the potential chemoprotective effects of resveratrol on doxorubicin-induced cardiotoxicity: focus on the antioxidant, antiapoptotic, and anti-inflammatory activities. *Oxidative Medicine and Cellular Longevity*, 2021. <https://doi.org/10.1155/2021/2951697>
- Jang, J. Y., Im, E., & Kim, N. D. (2022). Mechanism of resveratrol-induced programmed cell death and new drug discovery against cancer: a review. *International Journal of Molecular Sciences*, 23(22). <https://doi.org/10.3390/ijms232213689>
- Jawad, B., Poudel, L., Podgornik, R., Steinmetz, N. F., & Ching, W. Y. (2019). Molecular mechanism and binding free energy of doxorubicin intercalation in DNA. *Physical Chemistry Chemical Physics*, 21(7), 3877–3893. <https://doi.org/10.1039/c8cp06776g>
- Jawad, R. (2018). *Oxidative Stress in Cell and Tissue Damage and Selenium-Based Therapeutics in Cancer*. Karolinska Institutet. [https://openarchive.ki.se/articles/thesis/Oxidative\\_stress\\_in\\_cell\\_and\\_tissue\\_damage\\_and\\_selenium-based\\_therapeutics\\_in\\_cancer/26911672?file=48955384](https://openarchive.ki.se/articles/thesis/Oxidative_stress_in_cell_and_tissue_damage_and_selenium-based_therapeutics_in_cancer/26911672?file=48955384)
- Ju, S., Singh, M. K., Han, S., Ranbhise, J., Ha, J., Choe, W., Yoon, K. S., Yeo, S. G., Kim, S. S., & Kang, I. (2024). Oxidative stress and cancer therapy: controlling cancer cells using reactive oxygen species. *international Journal of Molecular Sciences*, 25(22), 1–26. <https://doi.org/10.3390/ijms252212387>
- Kabakov, A. E., & Gabai, V. L. (2018). Cell death and survival assays. *Methods in Molecular Biology*, 1709, 107–127. [https://doi.org/10.1007/978-1-4939-7477-1\\_9](https://doi.org/10.1007/978-1-4939-7477-1_9)
- Kamińska, K., & Cudnoch-Jędrzejewska, A. (2023). A review on the neurotoxic effects of doxorubicin. *Neurotoxicity Research*, 41(5), 383–397. <https://doi.org/10.1007/s12640-023-00652-5>
- Karch, J., & Molkentin, J. D. (2015). Regulated necrotic cell death: The passive aggressive side of bax and bak. *Circulation Research*, 116(11), 1800–1809. <https://doi.org/10.1161/CIRCRESAHA.116.305421>
- Kim, H., Kim, H. Y., Lee, E. Y., Choi, B. K., Jang, H., & Choi, Y. (2020). A quenched annexin v-fluorophore for the real-time fluorescence imaging of apoptotic processes in vitro and in vivo. *Advanced Science*, 7(24), 1–12. <https://doi.org/10.1002/advs.202002988>

- Kim, T. H., Shin, Y. J., Won, A. J., Lee, B. M., Choi, W. S., Jung, J. H., Chung, H. Y., & Kim, H. S. (2014). Resveratrol enhances chemosensitivity of doxorubicin in multidrug-resistant human breast cancer cells via increased cellular influx of doxorubicin. *Biochimica et Biophysica Acta - General Subjects*, 1840(1), 615–625. <https://doi.org/10.1016/j.bbagen.2013.10.023>
- Kischkel, F. C., Eich, J., Meyer, C. I., Weidemüller, P., Krapfl, J., Yassin-Klepzig, R., Job, L., Fraefel, M., Braicu, I., Kopp-Schneider, A., Sehouli, J., & De Wilde, R. L. (2017). New in vitro system to predict chemotherapeutic efficacy of drug combinations in fresh tumor samples. *PeerJ*, 2017(3), 1–22. <https://doi.org/10.7717/peerj.3030>
- Ko, J. H., Sethi, G., Um, J. Y., Shanmugam, M. K., Arfuso, F., Kumar, A. P., Bishayee, A., & Ahn, K. S. (2017). The role of resveratrol in cancer therapy. *International Journal of Molecular Sciences*, 18(12), 1–36. <https://doi.org/10.3390/ijms18122589>
- Koç, E., Çelik-Uzuner, S., Uzuner, U., & Çakmak, R. (2018). The Detailed Comparison of cell death detected by annexin v-pi counterstain using fluorescence microscope, flow cytometry and automated cell counter in mammalian and microalgae cells. *Journal of Fluorescence*, 28(6), 1393–1404. <https://doi.org/10.1007/s10895-018-2306-4>
- Kovalevich Jane, D. L. (2013). Considerations for the use of sh-sy5y neuroblastoma cells in neurobiology. *Neuronal Cell Culture*, 1078, 35–44. <https://doi.org/10.1007/978-1-62703-640-5>
- Lekshmi, A., Varadarajan, S. N., Lupitha, S. S., Indira, D., Ann Mathew, K., Nair, A. C., Nair, M., Prasad, T., Sekar, H., Gopalakrishnan, A. K., Murali, A., & Santhoshkumar, T. R. (2017). A quantitative real-time approach for discriminating apoptosis and necrosis. *Cell Death Discovery*, 3(September 2016), 1–10. <https://doi.org/10.1038/cddiscovery.2016.101>
- León-González, A. J., Auger, C., & Schini-Kerth, V. B. (2015). Pro-oxidant activity of polyphenols and its implication on cancer chemoprevention and chemotherapy. *Biochemical Pharmacology*, 98(3), 371–380. <https://doi.org/10.1016/j.bcp.2015.07.017>
- Liao, C. C., Long, Y., Tsai, M. L., Lin, C. Y., Hsu, K. W., & Lee, C. H. (2024). G-cleave LC3B biosensor: monitoring autophagy and assessing resveratrol's synergistic impact on doxorubicin-induced apoptosis in breast cancer cells. *Breast Cancer Research*, 26(1), 1–17. <https://doi.org/10.1186/s13058-024-01951-1>
- Liu, Z., Wu, X., Lv, J., Sun, H., & Zhou, F. (2019). Resveratrol induces p53 in colorectal cancer through SET7/9. *Oncology Letters*, 17(4), 3783–3789. <https://doi.org/10.3892/ol.2019.10034>

- Lopez-Suarez, L., Awabdh, S. Al, Coumoul, X., & Chauvet, C. (2022). The SH-SY5Y human neuroblastoma cell line, a relevant in vitro cell model for investigating neurotoxicology in human: Focus on organic pollutants. *NeuroToxicology*, 92, 131–155. <https://doi.org/10.1016/j.neuro.2022.07.008>
- Madreiter-Sokolowski, C. T., Sokolowski, A. A., & Graier, W. F. (2017). Dosis facit sanitatem—Concentration-dependent effects of resveratrol on mitochondria. *Nutrients*, 9(10), 1–19. <https://doi.org/10.3390/nu9101117>
- Martin, S. J. (2016). Cell death and inflammation: the case for IL-1 family cytokines as the canonical DAMPs of the immune system. *FEBS Journal*, 2599–2615. <https://doi.org/10.1111/febs.13775>
- Micallef, I., & Baron, B. (2020). Doxorubicin : An Overview of the Anti-Cancer and Chemoresistance Mechanisms. *Annals of Clinical Toxicology*, 3(2), 1031.
- Mirzaei, S., Gholami, M. H., Zabolian, A., Saleki, H., Bagherian, M., Torabi, S. M., Sharifzadeh, S. O., Hushmandi, K., Fives, K. R., Khan, H., Ashrafizadeh, M., Zarabi, A., & Bishayee, A. (2022). Resveratrol Augments Doxorubicin and Cisplatin Chemotherapy: A Novel Therapeutic Strategy. *Current Molecular Pharmacology*, 16(3), 280–306. <https://doi.org/10.2174/1874467215666220415131344>
- Mokhtari, R. B., Homayouni, T. S., Baluch, N., Morgatskaya, E., Kumar, S., Das, B., & Yeger, H. (2017). Combination therapy in combating cancer SYSTEMATIC REVIEW: COMBINATION THERAPY IN COMBATING CANCER BACKGROUND. *Oncotarget*, 8(23), 38022–38043. [www.impactjournals.com/oncotarget](http://www.impactjournals.com/oncotarget)
- Muñoz-López, S., Sánchez-Melgar, A., Martín, M., & Albasanz, J. L. (2022). Resveratrol enhances A1 and hinders A2A adenosine receptors signaling in both HeLa and SH-SY5Y cells: Potential mechanism of its antitumoral action. *Frontiers in Endocrinology*, 13(November), 1–17. <https://doi.org/10.3389/fendo.2022.1007801>
- Mustafa, M., Ahmad, R., Tantry, I. Q., Ahmad, W., Siddiqui, S., Alam, M., Abbas, K., Moinuddin, Hassan, M. I., Habib, S., & Islam, S. (2024). Apoptosis: A Comprehensive Overview of Signaling Pathways, Morphological Changes, and Physiological Significance and Therapeutic Implications. *Cells*, 13(22), 1–29. <https://doi.org/10.3390/cells13221838>
- Namkaew, J., Jaroonwitchawan, T., Rujanapun, N., Saelee, J., & Noisa, P. (2018). Combined effects of curcumin and doxorubicin on cell death and cell migration of SH-SY5Y human neuroblastoma cells. *In Vitro Cellular and Developmental Biology - Animal*, 54(9), 629–639. <https://doi.org/10.1007/s11626-018-0288-9>

Nishida, T. (2022). *NAMPT-dependent NAD + salvage is crucial for the decision between apoptotic and necrotic cell death under oxidative stress*. December 2021. <https://doi.org/10.1038/s41420-022-01007-3>

Pachman, D. R., Qin, R., Seisler, D. K., Smith, E. M. L., Beutler, A. S., Ta, L. E., Lafky, J. M., Wagner-Johnston, N. D., Ruddy, K. J., Dakhil, S., Staff, N. P., Grothey, A., & Loprinzi, C. L. (2015). Clinical course of oxaliplatin-induced neuropathy: Results from the randomized phase III trial N08CB (Alliance). *Journal of Clinical Oncology*, 33(30), 3416–3422. <https://doi.org/10.1200/JCO.2014.58.8533>

Pilco-Ferreto, N., & Calaf, G. M. (2016). Influence of doxorubicin on apoptosis and oxidative stress in breast cancer cell lines. *International Journal of Oncology*, 49(2), 753–762. <https://doi.org/10.3892/ijo.2016.3558>

Rai, G., Mishra, S., Suman, S., & Shukla, Y. (2016). Resveratrol improves the anticancer effects of doxorubicin in vitro and in vivo models: A mechanistic insight. *Phytomedicine*, 23(3), 233–242. <https://doi.org/10.1016/j.phymed.2015.12.020>

Rieger, A. M., Nelson, K. L., Konowalchuk, J. D., & Barreda, D. R. (2011). Modified annexin V/propidium iodide apoptosis assay for accurate assessment of cell death. *Journal of Visualized Experiments*, 50, 3–6. <https://doi.org/10.3791/2597>

Rodríguez-Enríquez, S., Pacheco-Velázquez, S. C., Marín-Hernández, Á., Gallardo-Pérez, J. C., Robledo-Cadena, D. X., Hernández-Reséndiz, I., García-García, J. D., Belmont-Díaz, J., López-Marure, R., Hernández-Esquível, L., Sánchez-Thomas, R., & Moreno-Sánchez, R. (2019). Resveratrol inhibits cancer cell proliferation by impairing oxidative phosphorylation and inducing oxidative stress. *Toxicology and Applied Pharmacology*, 370(March), 65–77. <https://doi.org/10.1016/j.taap.2019.03.008>

Salehi, B., Mishra, A. P., Nigam, M., Sener, B., Kilic, M., Sharifi-Rad, M., Fokou, P. V. T., Martins, N., & Sharifi-Rad, J. (2018). Resveratrol: A double-edged sword in health benefits. *Biomedicines*, 6(3), 1–20. <https://doi.org/10.3390/biomedicines6030091>

Shipley, M. M., Mangold, C. A., & Szpara, M. L. (2016). Differentiation of the SH-SY5Y human neuroblastoma cell line. *Journal of Visualized Experiments*, 2016(108), 1–11. <https://doi.org/10.3791/53193>

Siegel, R. L., Miller, K. D., Fuchs, H. E., & Jemal, A. (2022). Cancer statistics, 2022. *CA: A Cancer Journal for Clinicians*, 72(1), 7–33. <https://doi.org/10.3322/caac.21708>

Simões, R. F., Ferrão, R., Silva, M. R., Pinho, S. L. C., Ferreira, L., Oliveira, P. J., & Cunha-Oliveira, T. (2021). Refinement of a differentiation protocol using neuroblastoma SH-SY5Y cells for use in neurotoxicology research. *Food and*

- Soares, L. B. M., Lima, A. P. B., Melo, A. S., Almeida, T. C., De Medeiros Teixeira, L. F., & Da Silva, G. N. (2022). Additive effects of resveratrol and doxorubicin on bladder cancer cells. *Anti-Cancer Drugs*, 33(1), E389–E397. <https://doi.org/10.1097/CAD.0000000000001218>
- Takashina, M., Inoue, S., Tomihara, K., Tomita, K., Hattori, K., Zhao, Q. L., Suzuki, T., Noguchi, M., Ohashi, W., & Hattori, Y. (2017). Different effect of resveratrol to induction of apoptosis depending on the type of human cancer cells. *International Journal of Oncology*, 50(3), 787–797. <https://doi.org/10.3892/ijo.2017.3859>
- Tang, D., Kang, R., Berghe, T., Vandenabeele, P., & Kroemer, G. (2019). The molecular machinery of regulated cell death. *Cell Research*, 29(5), 347–364. <https://doi.org/10.1038/s41422-019-0164-5>
- Thorn, C. F., Oshiro, C., Marsh, S., Hernandez-Boussard, T., McLeod, H., Klein, T. E., & Altman, R. B. (2011). Doxorubicin pathways: Pharmacodynamics and adverse effects. *Pharmacogenetics and Genomics*, 21(7), 440–446. <https://doi.org/10.1097/FPC.0b013e32833fffb56>
- Varela-López, A., Battino, M., Navarro-Hortal, M. D., Giampieri, F., Forbes-Hernández, T. Y., Romero-Márquez, J. M., Collado, R., & Quiles, J. L. (2019). An update on the mechanisms related to cell death and toxicity of doxorubicin and the protective role of nutrients. *Food and Chemical Toxicology*, 134(July), 110834. <https://doi.org/10.1016/j.fct.2019.110834>
- Vervandier-Fasseur, D., & Latruffe, N. (2019). The potential use of resveratrol for cancer prevention. *Molecules*, 24(24). <https://doi.org/10.3390/molecules24244506>
- Voogd, E. J. H. F., Doorn, N., Levers, M. R., Hofmeijer, J., & Frega, M. (2023). Degree of differentiation impacts neurobiological signature and resistance to hypoxia of SH-SY5Y cells. *Journal of Neural Engineering*, 20(6). <https://doi.org/10.1088/1741-2552/ad17f3>
- Wang, B., Liu, J., & Gong, Z. (2015). Resveratrol induces apoptosis in K562 cells via the regulation of mitochondrial signaling pathways. *International Journal of Clinical and Experimental Medicine*, 8(9), 16926–16933.
- Waseem, M., Sahu, U., Salman, M., Choudhury, A., Kar, S., Tabassum, H., & Parvez, S. (2017). Melatonin pre-treatment mitigates SHSY-5Y cells against oxaliplatin induced mitochondrial stress and apoptotic cell death. *PLoS ONE*, 12(7), 1–28. <https://doi.org/10.1371/journal.pone.0180953>

Wu, X., Xu, Y., Zhu, B., Liu, Q., Yao, Q., & Zhao, G. (2018). Resveratrol induces apoptosis in SGC-7901 gastric cancer cells. *Oncology Letters*, 16(3), 2949–2956. <https://doi.org/10.3892/ol.2018.9045>

Yee, P. P., & Li, W. (2021). Tumor necrosis: A synergistic consequence of metabolic stress and inflammation. *BioEssays*, 43(7), 1–12. <https://doi.org/10.1002/bies.202100029>

Yurdakul, O., & Ozkan, A. (2024). Resveratrol Dose-Dependently Protects the Antioxidant Mechanism of Hydrogen Peroxide-Exposed Healthy Cells and Lung Cancer Cells. *European Journal of Biology*, 83(1), 42–49. <https://doi.org/10.26650/EurJBiol.2024.1395956>

Yusuf, M., Leung, K., Morris, K. J., & Volpi, E. V. (2013). Comprehensive cytogenomic profile of the in vitro neuronal model SH-SY5Y. *Neurogenetics*, 14(1), 63–70. <https://doi.org/10.1007/s10048-012-0350-9>

