

DAFTAR PUSTAKA

- Abdel Ghany, T.M., Ganash, M., Alawlaqi, M.M., and Al-Rajhi, A.M.H. 2019. Antioxidant, Antitumor, Antimicrobial Activities Evaluation of *Musa paradisica* L. Pseudostem Exudate Cultivated in Saudi Arabia. *Journal of BioNanoScience*. 9 (1): 172-178. <https://doi.org/10.1007/s12668-018-0580-x>
- Acik, D., Suyani, E., Aygun, B., and Bankir, M. 2020. The Effect of Smoking on Hematological Parameters. *The Ulutas Medical Journal*. 6 (1): 1-6. <https://doi.org/10.5455/umj.20200209092535>
- Adepoju, A.F., Adenuga, O.O., Mapayi, E.F., and Olaniyi, O.O. 2017. Coffee: Botany, Distribution, Diversity, Chemical Composition and Its Management. *IOSR Journal of Agriculture and Veterinary Science*. 10 (7): 57-62. Doi : [10.9790/2380-1007035762](https://doi.org/10.9790/2380-1007035762)
- Adwas, A.A., Ibrahim, A.S., Elsayed, Azab, A.E., and Quwaydir, F.A. 2019. Oxidative Stress and Antioxidant Mechanisms in Human Body. *Journal of Applied Biotechnology and Bioengineering*. 6 (1): 43-47. <https://doi.org/10.15406/jabb.2019.06.00173>
- Agrawal, S., Ingrand, J., Said, E.T., and Gabriel, R.A. 2021. The Association of Preoperative Smoking With Postoperative Outcomes in Patients Undergoing Total Hip Arthroplasty. *Journal of Arthroplasty*. 36 (3): 1029–1034. <https://doi.org/10.1016/j.arth.2020.09.049>
- Akkoca, Özlem, Unlu, C.E., Tatar, I., Sargon, M.F., Zeybek, D., and Oguztuzun, S. 2020. Protective Effect of Aerobic Exercise on the Nasal Mucosa of Rats Against the Histopathologic Changes in Cigarette Smoke Exposure. *Ear, Nose and Throat Journal*. 99 (7):453–59. <https://doi.org/10.1177/0145561319900758>
- AlAsmari, A.F., Ali, N., Alharbi, M., Alqahtani, F., Alasmari, F., Almoqbel, D., AlSwayyed, M., Alshammari, A., Alanazi, M.M., Alhoshani, A., and Al-Harbi, N.O. 2022. Geraniol Ameliorates Doxorubicin-Mediated Kidney Injury through Alteration of Antioxidant Status, Inflammation, and Apoptosis: Potential Roles of NF-κB and Nrf2/Ho-1. *Journal of Nutrients*. 14 (1620): 1-18. <https://doi.org/10.3390/nu14081620>
- Al-Khayri, J.M., Sahana, G.R., Nagella, P., Joseph, B.V., Alessa, F.M., and Al-Mssallem, M.Q. 2022. Flavonoids as Potential Anti-Inflammatory Molecules: A Review. *Journal of Molecules* 27 (9): 1-24. <https://doi.org/10.3390/molecules27092901>
- Alkhedaide, and Qlayel A. 2020. Tobacco Smoking Causes Secondary Polycythemia and a Mild Leukocytosis among Heavy Smokers in Taif City in Saudi Arabia. *Saudi Journal of Biological Sciences*. 27 (1):407–11. <https://doi.org/10.1016/j.sjbs.2019.11.001>
- Almeida da Silva, D., Lopes Correia, T.M., Pereira, R., Augusto da Silva, R.A., Augusto, O., and Queiroz, R.F. 2020. Tempol Reduces Inflammation and Oxidative Damage in Cigarette Smoke-Exposed Mice by Decreasing Neutrophil Infiltration and Activating the Nrf2 Pathway. *Journal Chemico-Biological Interactions*. 329 (109210): 1-11. <https://doi.org/10.1016/j.cbi.2020.109210>
- AlQahtany, F.S., Algahtani, F.H., Alshebly, M.M., Madkhaly, F.M., Ghandour, M.K., Almalki, J.H., AlOtaibi, W.S., Salim, A., and Mendoza, F.C. 2020. Association between cigarette & shisha smoking and the severity of

- polycythemia: A cross sectional study. *Saudi Journal of Biological Sciences*. 27 (1): 460–464. <https://doi.org/10.1016/j.sjbs.2019.11.009>
- Alshamsi, I. 2022. Extended Literature Review of the role of erythropoietin stimulating agents (ESA) use in the management of post renal transplant anaemia. *Journal of Transplantation Reports*. 7 (2): 1-10. <https://doi.org/10.1016/j.tpr.2022.100097>
- AL-temimi, S.Q. 2017. The effect of cigarette smoking on some blood parameters, blood pressure and renal function test. *Journal University of Kerbala*. 15 (1): 1-10. ISSN: 1813-0410.
- Alzbeede, Ahmed, A., Ziad, A., Shraideh, Darwish, H. Badran, and Ameliorative, D.H. 2021. Ameliorative Effect of Resveratrol Against Histological Alterations in Lung of Mice Induced by Subchronic Exposure of Cigarette and Waterpipe Tobacco Smoking. *International Journal Morphology*. 39 (1): 11-17. <http://dx.doi.org/10.4067/S0717-95022021000100011>
- Ameca, G.M., Cerrilla, M.S.O., Córdoba, P.Z., Cruz, A.D., Hernández, M.S., and Haro, J.H. 2018. Chemical composition and antioxidant capacity of coffee pulp. *Journal of Ciência e Agrotecnologia*. 42 (3): 307-313. <https://doi.org/10.1590/1413-70542018423000818>
- Amin, F., Yanti, N.I., Sartini, dan Sumarheni. 2018. Efek Pemberian Ekstrak Etanol Rimpang Temu Putih (*Curcuma zedoaria* Berg) Terhadap Perubahan Kadar Protein Total dan Alkali Fosfatase pada Tikus (*Rattus norvegicus*) yang dipapar Asap Rokok. *Majalah Farmasi dan Farmakologi*. 22 (3) : 99-103. <https://doi.org/10.20956/mff.v22i3.5861>
- Ammar, H.O., Ghorab, M.M., Mostafa, D.M., and Ibrahim, E.S. 2016. Folic Acid Loaded Lipid Nanocarriers With Promoted Skin Antiaging and Antioxidant Efficacy. *Journal of Drug Delivery Science and Technology*. 31 : 72-82. <https://doi.org/10.1016/j.jddst.2015.11.007>
- Anandha Lakshmi, S., Lakshmanan, A., Ganesh Kumar, P., and Saravanan, A. 2014. Effect of intensity of cigarette smoking on haematological and lipid parameters. *Journal of Clinical and Diagnostic Research*. 8 (7): 11–13. <https://doi.org/10.7860/JCDR/2014/9545.4612>
- Arias, C.F., and Arias, C.F. 2017. How do red blood cells know when to die?. *Journal of Royal Society Open Science*. 4 (4): 1–12. <https://doi.org/10.1098/rsos.160850>
- Armstrong, D., and Stratton, R.D. 2016. *Oxidative Stress and Antioxidant Protection*. John Wiley & Sons, Inc : Hoboken. 4-8.
- Arora, V., Gupta, N., Gupta, P., Bansal, M., Thakar, S., and Nagpal, I. 2017. Cigarette Smoking Behavior and Associated Psychosocial Determinants Among School Going Adolescents in Panchkula, India. *Journal of Indian Association of Public Health Dentistry*. 15 (1): 27-31. <https://doi.org/10.4103/2319-5932.201944>
- Arora, Poonam, Athari, S.S., and Nainwal, L.M. 2022. Piperine Attenuates Production of Inflammatory Biomarkers, Oxidative Stress and Neutrophils in Lungs of Cigarette Smoke-Exposed Experimental Mice. *Journal of Food Bioscience*. 49 (101909): 1-37. <https://doi.org/10.1016/j.fbio.2022.101909>
- Audrain-McGovern, J., and Benowitz, N.L. 2011. Cigarette Smoking, Nicotine, and Body Weight. *Journal of Clinical Pharmacology and Therapeutics*. 90 (1): 164–168. <https://doi.org/10.1038/clpt.2011.105>

- Aufderheide, M., Scheffler, S., Ito, S., Ishikawa, S., and Emuraa, M. 2015. Ciliotoxicity in human primary bronchiolar epithelial cells after repeated exposure at the air-liquid interface with native mainstream smoke of K3R4F cigarettes with and without charcoal filter. *Journal of Experimental and Toxicologic Pathology*. 67 (7–8): 407–411. <https://doi.org/10.1016/j.etp.2015.04.006>
- Ayala, A., Muñoz, M.F., and Argüelles, S. 2014. Lipid Peroxidation: Production, Metabolism, and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal. *Journal of Oxidative Medicine and Cellular Longevity*. 1-31. <https://doi.org/10.1155%2F2014%2F360438>
- Barros, A.I.R.N.A., Nunes, F.M., Gonçalves, B., Bennett, R.N., and Silva, A.P. 2011. Effect of cooking on total vitamin C contents and antioxidant activity of sweet chestnuts (*Castanea sativa* Mill.). *Journal of Food Chemistry*. 128 (1): 165-172. <https://doi.org/10.1016/j.foodchem.2011.03.013>
- Baskara, I., Kerbrat, S., Dagouassat, M., Nguyen, H.Q., Guillot-Delost, M., Surenaud, M., Baillou, C., Lemoine, F.M., Morin, D., Boczkowski, J., and Le Gouvello, S. 2020. Cigarette smoking induces human CCR6+Th17 lymphocytes senescence and VEGF-A secretion. *Journal of Scientific Reports*. 10 (1): 1–11. <https://doi.org/10.1038/s41598-020-63613-4>
- Batista, L.R., Chalfoun de Souza, S.M., Silva e Batista, C.F., and Schwan, R.F. 2016. Coffee: Types and Production. *Journal of Encyclopedia of Food and Health*. 244–251. <https://doi.org/10.1016/b978-0-12-384947-2.00184-7>
- Bennett, J.S. 2005. Structure and function of the platelet integrin $\alpha\text{IIb}\beta 3$. *Journal of Clinical Investigation*. 115 (12): 3363–3369. <https://doi.org/10.1172/JCI26989>
- Blizzard, L., and Dwyer, T. 2002. Lung Cancer Incidence in Australia: Impact of Filter-Tip Cigarettes With Unchanged Tar Yields. *International Journal of Cancer*. 97 (5): 679-684.
- Blumenthal, I. 2001. Carbon Monoxide Poisoning. *Journal of The Royal Society of Medicine*. 94 (6): 270-272. <https://doi.org/10.1177/014107680109400604>
- Bodas, M., Moore, A.R., Subramaniam, B., Georgescu, C., Wren, J.D., Freeman, W.M., Brown, B.R., Metcalf, J.P., and Walters, M.S. 2021. Cigarette smoke activates NOTCH3 to promote goblet cell differentiation in human airway epithelial cells. *American Journal of Respiratory Cell and Molecular Biology*. 64(4): 426–440. <https://doi.org/10.1165/rcmb.2020-0302OC>
- Bøhn, S.K., Blomhoff, R., and Paur, I. 2014. Coffee and cancer risk, epidemiological evidence, and molecular mechanisms. *Journal of Molecular Nutrition and Food Research*. 58 (5): 915–930. <https://doi.org/10.1002/mnfr.201300526>
- Boucherat, O., Chakir, J., and Jeannotte, L. 2012. The loss of Hoxa5 function promotes Notch-dependent goblet cell metaplasia in lung airways. *Journal of Biology Open*. 1 (7): 677–691. <https://doi.org/10.1242/bio.20121701>
- Boulain, T., Nay, M. A., Dequin, P. F., Lascarrou, J. B., Vignon, P., Kamel, T., Muller, G., Ehrmann, S., Baudin, O., Calvat, S., Cracco, C., Desachy, A., Lafon, C., Boitrou, E., Follin, A., Mentec, H., Pajot, O., Plantefève, G., Thirion, M., Talec, P. 2022. Relying on pulse oximetry to avoid hypoxaemia and hyperoxia: A multicentre prospective cohort study in patients with circulatory failure. *Journal of Australian Critical Care*. 1–6. <https://doi.org/10.1016/j.aucc.2022.03.010>
- Bourhia, M., Laasri, F.E., Moussa, S.I., Ullah, R., Bari, A., Saeed Ali, S., Kaoutar, A., Haj Said, A.A., El Mezibri, M., Said, G., Khilil, N., and Benbacer, L. 2019. Phytochemistry, Antioxidant Activity, Antiproliferative Effect, and Acute Toxicity Testing of Two Moroccan Aristolochia Species. *Journal of*

- Evidence-Based Complementary and Alternative Medicine*. 2019 (9710876): 1-8. <https://doi.org/10.1155/2019/9710876>
- Brigelius-Flohé, R., and Maiorino, M. 2013. Glutathione peroxidases. *Biochimica et Biophysica Acta (BBA) - General Subjects*. 1830 (5): 3289-3303. <https://doi.org/10.1016/j.bbagen.2012.11.020>
- Bunney, P.E., Hansen, M., and Lesage, M. 2018. Effects of isolated tobacco alkaloids and tobacco products on deprivation-induced food intake and meal patterns in rats. *Journal of Pharmacology, Biochemistry and Behavior*. 165 (2018): 45–55. <https://doi.org/10.1016/j.pbb.2017.11.004>
- Burton, G.W., and Traber, M.G. 1990. Vitamin E: Antioxidant Activity, Biokinetics, and Bioavailability. *Journal of Annual Review of Nutrition*. 10 (1): 357-382. <https://doi.org/10.1146/annurev.nu.10.070190.002041>
- Caliri, A. W., Tommasi, S., and Besaratinia, A. 2021. Relationships among smoking, oxidative stress, inflammation, macromolecular damage, and cancer. *Journal of Mutation Research/Reviews in Mutation Research*. 787 (108365): 1-20. <https://doi.org/10.1016/j.mrrev.2021.108365>
- Carnevali, Luca, Sgoifo, A., Trombini, M., Landgraf, R., Neumann, I.D., and Nalivaiko, E. 2013. Different Patterns of Respiration in Rat Lines Selectively Bred for High or Low Anxiety. *Journal of PLoS ONE*. 8 (5): doi: <https://doi.org/10.1371/journal.pone.0064519>
- Carrer, Michele, Crosby, J.R., Sun, G., Zhao, C., Damle, S.S., Kuntz, S.G., Monia, B.P., Hart, C.E., and Grossman, T.R. 2020. Antisense Oligonucleotides Targeting Jagged 1 Reduce House Dust Mite-Induced Goblet Cell Metaplasia in the Adult Murine Lung. *American Journal of Respiratory Cell and Molecular Biology*. 63 (1):46–56. <https://doi.org/10.1165/rcmb.2019-0257OC>
- Carta, S., Tsiplakou, E., Nicolussi, P., Pulina, G., and Nudda, A. 2022. Effects of spent coffee grounds on production traits, haematological parameters, and antioxidant activity of blood and milk in dairy goats. *Journal of Animal*. 16 (4): 1-9. <https://doi.org/10.1016/j.animal.2022.100501>
- Cedar, S.H. 2018 Every breath you take: the process of breathing explained. *Nursing Times*. 114 (1): 47-50. <https://doi.org/https://www.nursingtimes.net/clinical-archive/respiratory-clinical-archive/every-breath-you-take-the-process-of-breathing-explained-08-01-2018/>
- Chao, A.M., White, M.A., Grilo, C.M., and Sinha, R., 2017. Examining the effects of cigarette smoking on food cravings and intake, depressive symptoms, and stress. *Journal of Eating Behaviors*. 24 (2017): 61–65. <https://doi.org/10.1016/j.eatbeh.2016.12.009>
- Chari, R., Lonergan, K.M., Ng, R.T., MacAulay, C., Lam, W.L., and Lam, S. 2007. Effect of active smoking on the human bronchial epithelium transcriptome. *Biomedical Central Genomics*. 8 (297): 1-13. <https://doi.org/10.1186/1471-2164-8-297>
- Chen, S., Liu, R., Wang, H., & Liu, Q. 2022. Pathology - Research and Practice Hypoxia-driven miR-1307 – 3p promotes hepatocellular carcinoma cell proliferation and invasion by modulating DAB2 interacting protein. *Journal of Pathology Research and Practice*. 237 (154066): 1-8. <https://doi.org/10.1016/j.prp.2022.154066>

- Chen, Xi, Liu, Y., Zhu, J., Lei, S., Dong, Y., Li, L., Jiang, B., Tan, L., Wu, J., Yu, S., and Zhao, Y. 2016. GSK-3 β Downregulates Nrf2 in Cultured Cortical Neurons and in a Rat Model of Cerebral Ischemia-Reperfusion. *Journal of Scientific Reports*. 6 (20196): 1-16. <https://doi.org/10.1038/srep20196>
- Chen, Xuemei, Li, Y., Hua, C., Jia, P., Xing, Y., xue, B., Tian, X., Yang, Y., Zhang, J., Qiao, L., Liu, H., Li, X., and Xie, F. 2019. Establishment of rapid risk assessment model for cigarette smoke extract exposure in chronic obstructive pulmonary disease. *Journal of Toxicology Letters*. 316: 10–19. <https://doi.org/10.1016/j.toxlet.2019.08.020>
- Cheng, C., Gu, Q., Zhang, J., Tao, J., Zhao, T., Cao, J., Cheng, G., Lai, G., and Liu, Y. 2022. Phenolic Constituents, Antioxidant and Cytoprotective Activities, Enzyme Inhibition Abilities of Five Fractions from *Vaccinium dunalianum* Wight. *Molecules*. 27(11): 1-17. <https://doi.org/10.3390/molecules27113432>
- Chen, Y., Shih, C., Lin, T., Zheng, J., Hsu, C., Chen, K., Lin, Y., and Wu, C. 2021. Antioxidation and Tyrosinase Inhibitory Ability of Coffee Pulp Extract by Ethanol. *Journal of Chemistry*. 2021 (8649618): 1-8. <https://doi.org/10.1155/2021/8649618>
- Cheon, S., Poon, R., Yu, C., Khoury, M., Shenker, R., Fish, J., and Alman, B.A. 2005. Prolonged β -catenin stabilization and tcf-dependent transcriptional activation in hyperplastic cutaneous wounds. *Journal of Laboratory Investigation*. 85 (3): 416–425. <https://doi.org/10.1038/labinvest.3700237>
- Cherian, Sujith, v., Kumar, A., and Estrada-Y-Martin, R.M. 2020. E-Cigarette or Vaping Product-Associated Lung Injury: A Review. *American Journal of Medicine*. 133(6):657–63. Doi: <https://doi.org/10.1016/j.amjmed.2020.02.004>
- Çiftçiler, R., Güven, A., Haznedaroğlu, İ.C., and Aksu, S. 2019. Effects of smoking on hematological parameters and ferritin levels. *Journal of Haseki Tıp Bulteni*. 57 (4): 372–376. <https://doi.org/10.4274/haseki.galenos.2019.4927>
- Coulston, A.M.C.J., Boushey, M.G., Ferruzzi, and Delahanty, L.M. 2017. *Antioxidants in Health and Disease in Nutrition in the Prevention and Treatment of Disease*. San Diego: Elsevier. Pp. 321–346
- Cubero-Abarca, R., Moya, R., Valaret, J., and Tomazello Filho, M. 2014. Use of Coffee (*Coffea arabica*) Pulp For The Production Of Briquettes and Pellets For Heat Generation. *Journal Ciência e Agrotecnologia*. 38 (5): 461-470. <https://doi.org/10.1590/S1413-70542014000500005>
- Cullinan, S.B., Gordan, J.D., Jin, J., Harper, J.W., and Diehl, J.A. 2004. The Keap1-BTB Protein Is an Adaptor That Bridges Nrf2 to a Cul3-Based E3 Ligase: Oxidative Stress Sensing by a Cul3-Keap1 Ligase. *Journal of Molecular and Cellular Biology*. 24 (19): 8477–8486. <https://doi.org/10.1128/mcb.24.19.8477-8486.2004>
- Cushman, M., Wang, W., Parikh, R., Lutsey, P.L., Beckman, J.D., and Folsom, A.R. 2019. Hematocrit and Incidence of Venous Thromboembolism. *Journal of Blood*. 134 (Supplement_1): 1142–1142. <https://doi.org/10.1182/blood-2019-124126>
- Danahay, H., Pessotti, A.D., Coote, J., Montgomery, B.E., Xia, D., Wilson, A., Yang, H., Wang, Z., Bevan, L., Thomas, C., Petit, S., London, A., LeMotte, P., Doelemeyer, A., Vélez-Reyes, G.L., Bernasconi, P., Fryer, C.J., Edwards, M., Capodici, P., Chen, A., Hild, M., and Jaffe, A.B. 2015. Notch2 is required for inflammatory cytokine-driven goblet cell metaplasia in the lung.

Journal of Cell Reports. 10 (2): 239–252.

<https://doi.org/10.1016/j.celrep.2014.12.017>

- Dawidowicz, A.L., and Typek, R. 2017. Transformation of chlorogenic acids during the coffee beans roasting process. *Journal of European Food Research and Technology*. 243 (3): 379–390. <https://doi.org/10.1007/s00217-016-2751-8>
- de Carlos, S.P., Dias, A.S., Júnior, L.A.F., Patricio, P.D., Graciano, T., Nesi, R. T., Valença, S., Chiappa, A.M.G., Cipriano Jr, G., de Souza, C.T., and da Silva Chiappa, G.R. 2014. Oxidative Damage Induced by Cigarette Smoke Exposure in Mice: Impact On Lung Tissue and Diaphragm Muscle. *Journal Brasileiro de Pneumologia Smoke*. 14 (4): 412-420. <http://dx.doi.org/10.1590/S1806-37132014000400009>
- De Rosso, M., Lonzarich, V., Navarini, L., and Flamini, R. 2022. Identification of new glycosidic terpenols and norisoprenoids (aroma precursors) in *Coffea arabica* L. green coffee by using a high-resolution mass spectrometry database developed in grape metabolomics. *Journal of Current Research in Food Science*. 5 (2022): 336–344. <https://doi.org/10.1016/j.crfs.2022.01.026>
- De Souza, L.D.S., Carrero Horta, I.P., de Souza, L.R., Lima, L.G.B., Da Rosa, J.S., Montenegro, J., da Silva, L.S., De Castro, R.B.N., Freitas-Silva, O., and Teodoro, A.J. 2020. Effect of the roasting levels of: *Coffea arabica* L. extracts on their potential antioxidant capacity and antiproliferative activity in human prostate cancer cells. *Journal of Royal Society of Chemistry Advances*. 10 (50): 30115–30126. <https://doi.org/10.1039/d0ra01179g>
- Déchamp, E., Breitler, J.C., Leroy, T., and Etienne, H. 2015. Coffee (*Coffea arabica* L.). *Journal of Methods in Molecular Biology*. 1224: 275–291. https://doi.org/10.1007/978-1-4939-1658-0_22
- Deeb, R.S., and Hajjar, D.P. 2016. Repair Mechanisms in Oxidant-Driven Chronic Inflammatory Disease. *American Journal of Pathology*. 186 (7): 1736–1749. <https://doi.org/10.1016/j.ajpath.2016.03.001>
- Dezfuli, G., Kellar, K.J., Dretchen, K.L., Tizabi, Y., Sahibzada, N., and Gillis, R.A. 2016. Evidence for the role of $\beta 2^*$ nAChR desensitization in regulating body weight in obese mice. *Journal of Neuropharmacology*. 110 (2016): 165–174. <https://doi.org/10.1016/j.neuropharm.2016.07.020>
- di Credico, Andrea, Gaggi, G., Izzicupo, P., Bucci, I., and di Baldassarre, A. 2021. Resveratrol Enhances the Cytotoxic Activity of Lymphocytes from Menopausal Women. *Journal of Antioxidants*. 10 (12): 1-13. <https://doi.org/10.3390/antiox10121914>
- Ding, S., Jiang, H., and Fang, J. 2018. Regulation of immune function by polyphenols. *Journal of Immunology Research*. 2018 (1264074): 1-8. <https://doi.org/10.1155/2018/1264074>
- Dobbie, F., Uny, I., Jackson, S.E., Brown, J., Aveyard, P., and Bauld, L. 2020. Vaping for weight control: Findings from a qualitative study. *Journal of Addictive Behaviors Reports*. 12 (100275): 1-5. <https://doi.org/10.1016/j.abrep.2020.100275>
- Dutta, A., and Chattopadhyay, H. 2021. Performance analysis of human respiratory system based on the second law of thermodynamics. *Journal of Thermal Biology*. 96 (102862): 1-9. <https://doi.org/10.1016/j.jtherbio.2021.102862>
- Efendi, D.E., Laksono, A.D., dan Machfutra, E.D. 2014. *Diskursus Tentang Rokok*. Yogyakarta : Kansius. Halaman 135-136.
- Eisenga, M.F., Kieneker, L.M., Touw, D.J., Nolte, I.M., van der Meer, P., Huls, G., Gaillard, C.A.J.M., and Bakker, S.J.L. 2018. Active Smoking and

- Hematocrit and Fasting Circulating Erythropoietin Concentrations in the General Population. *Mayo Clinic Proceedings*. 93 (3): 337–343. <https://doi.org/10.1016/j.mayocp.2018.01.005>
- Elisia, I., Lam, V., Cho, B., Hay, M., Li, M.Y., Yeung, M., Bu, L., Jia, W., Norton, N., Lam, S., and Krystal, G. 2020. The effect of smoking on chronic inflammation, immune function and blood cell composition. *Journal of Scientific Reports*. 10 (1): 1–16. <https://doi.org/10.1038/s41598-020-76556-7>
- Eroschenko, V.P. 2010. *Atlas Histology Difiore : dengan Korelasi Fungsional*. Jakarta : EGC. Halaman : 105-121.
- Fan, P., Tan, Y., Jin, K., Lin, C., Xia, S., Han, B., Zhang, F., Wu, L., and Ma, X. 2015. Supplemental lipoic acid relieves post-weaning diarrhoea by decreasing intestinal permeability in rats. *Journal of Animal Physiology and Animal Nutrition*. 101 (1): 13-146. <https://doi.org/10.1111/jpn.12427>
- Farooqui, M., Pardeshi, R., and Jadhav, S. 2016. Antioxidant-Vitamin C : Lung Function; Lung Cancer. *Asian Journal of Pharmaceutical and Clinical Research*. 9 (2): 43-51. Doi: <https://doi.org/10.22159/ajpcr.2016.v9s2.13699>
- Fasihi, M., Yousefi, M., Safaiyan, A., Mele, M.M., Rostami, M., and Barzegar, A. 2020. Effects of green coffee extract supplementation on level of chemerin, malondialdehyde, nutritional and metabolic status in patients with metabolic syndrome. *Journal of Nutrition and Food Science*. 50 (1): 21–33. <https://doi.org/10.1108/NFS-02-2019-0047>
- Feyisa, T.O., Melka, D.S., Menon, M., Labisso, W.L., and Habte, M.L. 2019. Investigation of the effect of coffee on body weight, serum glucose, uric acid and lipid profile levels in male albino Wistar rats feeding on high-fructose diet. *Journal of Laboratory Animal Research*. 35(1):1-8. <https://doi.org/10.1186/s42826-019-0024-y>
- Fitzpatrick, D. 2015. *Phrenic Nerve Stimulation*. Implantable Electronic Medical Devices. Elsevier Ltd. 27–35. <https://doi.org/10.1016/b978-0-12-416556-4.00003-6>
- François, M., Fernández-Gayol, O., and Zeltser, L.M. 2022. A Framework for Developing Translationally Relevant Animal Models of Stress-Induced Changes in Eating Behavior. *Journal of Biological Psychiatry*. 91 (10): 888–897. <https://doi.org/10.1016/j.biopsych.2021.06.020>
- Fricker, Michael, Goggins, B.J., Mateer, S., Jones, B., Kim, R.Y., Gellatly, S.L., Jarnicki, A.G., Powell, N., Oliver, B.G., Radford-Smith, G., Talley, N.J., Walker, M.M., Keely, S., and Hansbro, P.M. 2018. Chronic Cigarette Smoke Exposure Induces Systemic Hypoxia That Drives Intestinal Dysfunction. *The Journal of Clinical Investigation Insight*. 3 (3): 1-19. <https://doi.org/10.1172/jci.insight.94040>
- Funakoshi-Tago, M., Matsutaka, M., Hokimoto, S., Kobata, K., Tago, K., and Tamura, H. 2022. Coffee ingredients, hydroquinone, pyrocatechol, and 4-ethylcatechol exhibit anti-inflammatory activity through inhibiting NF-κB and activating Nrf2. *Journal of Functional Foods*. 90 (104980):1-11. <https://doi.org/10.1016/j.jff.2022.104980>
- Gebeyehu, G.M., Feleke, D.G., Molla, M.D., and Admasu, T.D. 2020. Effect of Habitual Consumption of Ethiopian Arabica Coffee On The Risk of Cardiovascular Diseases Among Non-Diabetic Healthy Adults. *Journal of Heliyon*. 6 (9): 1-8. <https://doi.org/10.1016/j.heliyon.2020.e04886>

- Gimenez-Bastida, Juan, A., Boeglin, W.E., Boutaud, O., Malkowski, M.G., and Schneider, C. 2019. Residual Cyclooxygenase Activity of Aspirin-Acetylated COX-2 Forms 15R-Prostaglandins That Inhibit Platelet Aggregation. *Federation of American Societies for Experimental Biology Journal*. 33 (1): 1033–41. <https://doi.org/10.1096/fj.201801018R>
- Gomi, K., Arbelaez, V., Crystal, R.G., and Walters, M.S. 2015. Activation of NOTCH1 or NOTCH3 signaling skews human airway basal cell differentiation toward a secretory pathway. *Journal of PLoS ONE*. 10 (2): 1–24. <https://doi.org/10.1371/journal.pone.0116507>
- Grigore, A. 2017. Plant Phenolic Compounds as Immunomodulatory Agents. *Phenolic Compounds - Biological Activity*. 75-98. <https://doi.org/10.5772/66112>
- Grzelczyk, Joanna, Sz wajgier, D., Baranowska-Wójcik, E., Budryn, G., Zakłos-Szyda, M., and Sosnowska, B. 2022. Bioaccessibility of Coffee Bean Hydroxycinnamic Acids during in Vitro Digestion Influenced by the Degree of Roasting and Activity of Intestinal Probiotic Bacteria, and Their Activity in Caco-2 and HT29 Cells. *Journal of Food Chemistry*. 392 (133328): 1-12. <https://doi.org/10.1016/j.foodchem.2022.133328>
- Gu, Y.F., Chen, Y.P., Jin, R., Wang, C., Wen, C., and Zhou, Y.M. 2021. Age-Related Changes in Liver Metabolism and Antioxidant Capacity of Laying Hens. *Journal of Poultry Science*. 100 (12): 1-8. <https://doi.org/10.1016/j.psj.2021.101478>
- Güden, M., Karaman, S.T., and Basat, O. 2022. Evaluation of the relationship between the level of addiction and exhaled carbon monoxide levels with neutrophil-to-lymphocyte and platelet-to-lymphocyte ratios in smokers. *Journal of Tobacco Induced Diseases*. 20(58): 1-11. <https://doi.org/10.18332/tid/149227>
- Guest, R.V., Boulter, L., Dwyer, B.J., Kendall, T.J., Man, T., Minnis-Lyons, S.E., Lu, W., Robson, A.J., Gonzalez, S.F., Raven, A., Wojtacha, D., Morton, J.P., Komuta, M., Roskams, T., Wigmore, S.J., Sansom, O.J., and Forbes, S.J. 2016. Notch3 drives development and progression of cholangiocarcinoma. *Proceedings of the National Academy of Sciences*. 113 (43): 12250–12255. <https://doi.org/10.1073/pnas.1600067113>
- Gumus, F., Solak, I., and Eryilmaz, M.A. 2018. The effects of smoking on neutrophil/lymphocyte, platelet/lymphocyte ratios. *Bratislava Medical Journal*. 119 (02): 116–119. https://doi.org/10.4149/BLL_2018_023
- Hagen, T., and Vidal-Puig, A. 2002. Characterisation of the phosphorylation of β -catenin at the GSK-3 priming site Ser45. In *Biochemical and Biophysical Research Communications Journal*. 294 (2):324-8. [https://doi.org/10.1016/s0006-291x\(02\)00485-0](https://doi.org/10.1016/s0006-291x(02)00485-0)
- Han, P., Ma, X., and Yin, J. 2010. The effects of lipoic acid on soybean β -conglycinin-induced anaphylactic reactions in a rat model. *Journal of Archives of Animal Nutrition*. 64(3): 254-264. <https://doi.org/10.1080/17450391003625003>
- Handayani, B.R. 2016. Coffee and Its Flavor. *Jurnal Ilmiah Rekayasa Pertanian dan Biosistem*. 4 (1) : 1-6. ISSN 2301-8119
- Hanna, V.S., and Hafez, E.A.A. 2018. Synopsis of arachidonic acid metabolism: A review. *Journal of Advanced Research*. 119 (2018): 23–32. <https://doi.org/10.1016/j.jare.2018.03.005>
- Hardiany, N.S., Sucitra, and Paramita, R. 2019. Profile of Malondialdehyde (MDA) and Catalase Specific Activity In Plasma of Elderly Woman. *Health Science Journal of Indonesia*. 10 (2) : 1-5. <https://doi.org/10.22435/hsji.v12i2.2239>

- Hart, L.A., Krihnan, V.L., Adcock, I.M., Barnes, P.J., and Chung, K.F. 1998. Activation and Localization of Transcription Factor, Nuclear Factor- κ B, in Asthma. *American Journal of Respiratory and Critical Care Medicine*. 158 (5) : 1-8. <https://doi.org/10.1164/ajrccm.158.5.9706116>
- He, L., Eslamfam, S., Ma, X., and Li, D. 2016. Autophagy and the nutritional signaling pathway. *Journal Frontiers of Agricultural Science and Engineering*. 3 (3): 222-230. DOI : [10.15302/J-FASE-2016106](https://doi.org/10.15302/J-FASE-2016106)
- He, L., He, Ting, Ji, S.F.L., Liu, T., and Ma, X. 2017. Antioxidants Maintain Cellular Redox Homeostasis by Elimination of Reactive Oxygen Species. *Journal of Cellular Physiology and Biochemistry*. 44: 532-553. <https://doi.org/10.1159/000485089>
- Heim, K.E., Tagliaferro, A.R., and Bobilya, D.J. 2002. Flavonoid antioxidants: chemistry, metabolism and structure-activity relationships. *The Journal of Nutritional Biochemistry*. 13 (10): 572-584. [https://doi.org/10.1016/s0955-2863\(02\)00208-5](https://doi.org/10.1016/s0955-2863(02)00208-5)
- Herath, P., Wimalasekera, S.W., Amarasekara, T.D., Fernando, M.S., and Turale, S. 2021. Adverse effects of cigarette smoking on exhaled breath carbon monoxide, blood carboxyhemoglobin, and hematological parameters amongst Sri Lankan adult tobacco smokers: A descriptive study. *Journal of Research Paper/ Population Medicine*. 3(27): 1-10. <https://doi.org/10.18332/popmed/143076>
- Hill, Barry, Sarah, and Annesley, H., 2020. Monitoring Respiratory Rate in Adults. *British Journal of Nursing*. 29 (1):12–16. <https://doi.org/10.12968/bjon.2020.29.1.12>
- Holipah, H., Sulistomo, H.W., and Maharani, A. 2020. Tobacco smoking and risk of all-cause mortality in Indonesia. *Journal of Plos One*. 15 (12): 1-12. <https://doi.org/10.1371/journal.pone.0242558>
- Hou, W., Hu, S., Li, C., Ma, H., Wang, Q., Meng, G., Guo, T., and Zhang, J. 2019. Cigarette Smoke Induced Lung Barrier Dysfunction, EMT, and Tissue Remodeling: A Possible Link between COPD and Lung Cancer. *BioMed Research International*. 1-10. <https://doi.org/10.1155/2019/2025636>
- Hudáková, J., Marcinčáková, D., and Legáth, J. 2016. Study of Antioxidant Effects of Selected Types of Coffee. *Journal of Folia Veterinaria*. 60 (3): 34–38. <https://doi.org/10.1515/fv-2016-0026>
- Humphry, Eleanor, and Armstrong, C.E. 2022. Physiology of Red and White Blood Cells. *Journal of Anaesthesia and Intensive Care Medicine*. 23 (2):118–22. <https://doi.org/10.1016/j.mpaic.2021.10.019>
- Hutachok, Nuntouchaporn, Angkasith, P., Chumpun, C., Fucharoen, S., Mackie, I.J., Porter, J.B., and Srichairatanakool, S. 2021. Anti-Platelet Aggregation and Anti-Cyclooxygenase Activities for a Range of Coffee Extracts (*Coffea Arabica*). *Journal of Molecules*. 26 (1): 1-18. <https://dx.doi.org/10.3390/molecules26010010>
- Hwang, S., Baker, A.R., Young, M.R., and Colburn, N.H. 2014. Tumor suppressor PDCD4 inhibits NF- κ B-dependent transcription in human glioblastoma cells by direct interaction with p65. *Journal of Carcinogenesis*. 35 (7): 1469–1480. <https://doi.org/10.1093/carcin/bgu008>
- Ihata, T., Nonoguchi, N., Fujishiro, Omura, Kawabata, S., Kajimoto, Y., Wanibuchi, and Masahiko Wanibuchi. 2022. The effect of hypoxia on photodynamic therapy with 5-aminolevulinic acid in malignant gliomas. *Journal of*

Photodiagnosis and Photodynamic Therapy. 1-31.
<https://doi.org/10.1016/j.pdpdt.2022.103056>

- Ikonomidis, I., Katogiannis, K., Kostelli, G., Kourea, K., Kyriakou, E., Kypraiou, A., Tsoumani, M., Andreadou, I., Lambadiari, V., Plotas, P., Thymis, I., and Tsantes, A.E. 2020. Effects of electronic cigarette on platelet and vascular function after four months of use. *Journal of Food and Chemical Toxicology*. 141 (111389): 1–5. <https://doi.org/10.1016/j.fct.2020.111389>
- International Coffee Organization. 2020. Coffee production by exporting countries. http://www.ico.org/trade_statistics.asp?section=Statistics. Diakses pada tanggal 24 Desember 2020 Pada Pukul 22.13 WIB.
- International Coffee Organization. 2020. Coffee Production by Exporting Countries. <https://www.ico.org/prices/po-production.pdf>. Diakses pada tanggal 4 Desember 2021 Pada Pukul 21.00 WIB.
- Iriondo-DeHond, Amaia, García, N.A., Fernandez-Gomez, G., Guisantes-Batan, E., Escobar, F.V., Blanch, G.P., San Andres, M.I., Sanchez-Fortun, S., and del Castillo, M.D. 2019. Validation of Coffee By-Products as Novel Food Ingredients. *Innovative Food Science and Emerging Technologies* 51:194–204. doi: <https://doi.org/10.1016/j.ifset.2018.06.010>
- Jaafar, N.S. 2020. The effect of cigarette smoking on blood and biochemical parameters: A comparative study among male smokers and non-smokers in Baghdad city. *Iraqi Journal of Science*. 61 (4): 727–731. <https://doi.org/10.24996/ij.s.2020.61.4.3>
- Jain, S., Durugkar, S., Saha, P., Gokhale, S.B., Naidu, V.G.M., and Sharma, P. 2022. Effects of intranasal azithromycin on features of cigarette smoke-induced lung inflammation. *European Journal of Pharmacology*. 915 (174467): 1-13. <https://doi.org/10.1016/j.ejphar.2021.174467>
- Jang, D.I., Lee, A.H., Shin, H.Y., Song, H.R., Park, J.H., Kang, T.B., Lee, S.R., and Yang, S.H. 2021. The role of tumor necrosis factor alpha (Tnf- α) in autoimmune disease and current tnf- α inhibitors in therapeutics. *International Journal of Molecular Sciences*. 22 (5): 1–16. <https://doi.org/10.3390/ijms22052719>
- Jee, Jun-Pil., Lim, Soo-Jeong., Park, Jeong-Sook., and Kim, Chong-Kook. 2006. Stabilization of all-trans retinol by loading lipophilic antioxidants in solid lipid nanoparticles. *European Journal of Pharmaceutics and Biopharmaceutics*. 63 (2): 13-139. <https://doi.org/10.1016/j.ejpb.2005.12.007>
- Jeszka-Skowron, M., Zgoła-Grześkowiak, A., and Grześkowiak, T. 2015. Analytical methods applied for the characterization and the determination of bioactive compounds in coffee. *Journal of European Food Research and Technology*. 240 (1): 19–31. <https://doi.org/10.1007/s00217-014-2356-z>
- Jing, Y., Gimenes, J.A., Mishra, R., Pham, D., Comstock, A.T., Yu, D., and Sajjan, U., 2019. NOTCH3 contributes to rhinovirus-induced goblet cell hyperplasia in COPD airway epithelial cells. *Journal of Thorax*. 74 (1): 18–32. <https://doi.org/10.1136/thoraxjnl-2017-210593>
- Kaczmarczyk-Sedlak, Ilona, Folwarczna, J., Sedlak, L., Zych, M., Wojnar, W., Szumińska, I., Wyględowska-Promieńska, W.D., and Mrukwa-Kominek, W. 2019. Effect of Caffeine on Biomarkers of Oxidative Stress in Lenses of Rats with Streptozotocin-Induced Diabetes. *Journal of Archives of Medical Science*. 15 (4):1073-1080. <https://doi.org/10.5114/aoms.2019.85461>

- Kattaia, A.A.A., and Baset, S.A.A. 2014. Effect of bisphenol A on the lung of adult male albino rats and the possible protective role of geraniol: A histological and immunohistochemical study. *Egyptian Journal of Histology*. 37 (1): 24–35. <https://doi.org/10.1097/01.EHX.0000444073.66582.1a>
- Kelada, S.N.P., Aylor, D.L., Peck, B.C.E., Ryan, J.F., Tavarez, U., Buus, R.J., Miller, D.R., Chesler, E.J., Threadgill, D.W., Churchill, G.A., de Villena, F.P., Collins, F.S. 2012. Genetic Analysis of Hematological Parameters in Incipient Lines of the Collaborative Cross. *Journal of G3 Genes/Genomes/Genetics*. 2 (2):157–165. <https://doi.org/10.1534/g3.111.001776>
- Kementrian Kesehatan Republik Indonesia. 2018. Kandungan dalam sebatang rokok. <http://p2ptm.kemkes.go.id/infografhic/kandungan-dalam-sebatang-rokok> diakses pada tanggal 30 bulan November 2020 pada pukul 21.30. WIB.
- Khochapong, Wiriya, Ketnawa, S., Ogawa, Y., and Punbusayakul, P.N. 2021. Effect of in Vitro Digestion on Bioactive Compounds, Antioxidant and Antimicrobial Activities of Coffee (*Coffea Arabica* L.) Pulp Aqueous Extract. *Journal of Food Chemistry*. 348 (129094): 1-6. <https://doi.org/10.1016/j.foodchem.2021.129094>
- Kiesel, Violet, A., Stan, S.D. 2022. Modulation of Notch Signaling Pathway by Bioactive Dietary Agents. *International Journal of Molecular Sciences*. 23 (7):1-11. <https://doi.org/10.3390/ijms23073532>
- Kim, J., Cho, S.Y., Kim, S.H., Cho, D., Kim, S., Park, Chan-Wong., Shimizu, T., Cho, J.Y., Seo, D.B., and Shin, S.S. 2017. Effects of Korean Ginseng Berry On Skin Antipigmentation and Antiaging Via FoxO3a Activation. *Journal of Ginseng Research*. 41 (3): 277-283. <https://doi.org/10.1016/j.jgr.2016.05.005>
- Kim, J.T., Park, J.Y., Lee, H.J., and Cheon, Y.J. 2020. Guidelines for the management of extravasation. *Journal of Educational Evaluation for Health Professions*. 17: 1–6. <https://doi.org/10.3352/JEEHP.2020.17.21>
- Kisaoglu, Abdullah, Borekci, B., Yapca, O.E., Bilen, H., and Suleyman, H. 2013. Tissue Damage and Oxidant/Antioxidant Balance. *Eurasian Journal of Medicine*. 45 (1):47- 49. <https://doi.org/10.5152/eajm.2013.08>
- Kishun, J., Kumar, A., and Singh, U. 2021. Correlates of Cigarette Smoking Among Adolescents in India. *Indian Journal of Community Medicine*. 46 (3): 389-395. https://doi.org/10.4103/ijcm.IJCM_168_20
- Knoella, D.L., Smitha, D., Baob, S., Sapkotaa, M., Wyattc, T.A., Zweierb, J.L., Flurye, J., Borcherse, M.T., and Knutsonf, M. 2020. Imbalance In Zinc Homeostasis Enhances Lung Tissue Loss Following Cigarette Smoke Exposure. *Journal of Trace Elements in Medicine and Biology*. 60 (126483) : 1-10. <https://doi.org/10.1016/j.jtemb.2020.126483>
- Koesoemoprodjo, W., and Maranatha, D. 2020. Level of Serum IL-33 and Paraseptal Emphysema In Clove Cigarette Smoker With Spontaneous Pneumothorax: A Case Report. *Journal Respiratory Medicine Case Reports*. 30 (101133) : 1-4. <https://doi.org/10.1016/j.rmcr.2020.101133>
- Kon, M., Ebi, Y., and Nakagaki, K. 2022. Hormonal, metabolic, and angiogenic responses to all-out sprint interval exercise under systemic hyperoxia. *Journal of Growth Hormone and IGF Research*. 63 (101445): 1-6. <https://doi.org/10.1016/j.ghir.2022.101445>
- Kulapichitr, F., Borompichaichartkul, C., Fang, M., Suppavorasatit, I., and Cadwallader, K.R. 2022. Effect of post-harvest drying process on

- chlorogenic acids, antioxidant activities and CIE-Lab color of Thai Arabica green coffee beans. *Journal of Food Chemistry*. 366 (130504): 1-8. <https://doi.org/10.1016/j.foodchem.2021.130504>
- Lee, Da Young, Song, M.Y., and Kim, E.H. 2021. Role of Oxidative Stress and Nrf2/Keap1 Signaling in Colorectal Cancer: Mechanisms and Therapeutic Perspectives with Phytochemicals. *Journal of Antioxidants*. 10 (743):1-23. <https://doi.org/10.3390/antiox10050743>
- Lee, S.M., Shin, Y.J., Go, R.E., Bae, S.H., Kim, C.W., Kim, S., Kim, M.S., and Choi, K.C. 2021. Inhalation exposure by cigarette smoke: Effects on the progression of bleomycin- and lipopolysaccharide-induced lung injuries in rat models. *Journal of Toxicology*. 451 (152695): 1-11. <https://doi.org/10.1016/j.tox.2021.152695>
- Lemos, M.F., de Andrade Salustriano, N., de Souza Costa, M.M., Lirio, K., da Fonseca, A.F.A., Pacheco, H.P., Endringer, D.C., Fronza, M., and Scherer, R. 2022. Chlorogenic acid and caffeine contents and anti-inflammatory and antioxidant activities of green beans of conilon and arabica coffees harvested with different degrees of maturation. *Journal of Saudi Chemical Society*. 26 (3): 1-11. <https://doi.org/10.1016/j.jscs.2022.101467>
- Leuti, A., Maccarrone, M., and Chiurchiù, V. 2019. Proresolving lipid mediators: Endogenous modulators of oxidative stress. *Journal of Oxidative Medicine and Cellular Longevity*. 2019 (8107265): 1-12. <https://doi.org/10.1155/2019/8107265>
- Li, A., Liu, Y., Zhu, X., Sun, X., Feng, X., Li, D., Zang, J., Zu, M., and Zhao, Z. 2018. Methylallyl Sulfone Attenuates Inflammation, Oxidative Stress and Lung Injury Induced by Cigarette Smoke Extract In Mice and RAW264.7 Cells. *Journal International Immunopharmacology*. 59 : 369-374. <https://doi.org/10.1016/j.intimp.2018.04.028>
- Li, Yan, Dai, Y., and Guo, Y. 2018. The pulmonary damage caused by smoking: A longitudinal study. *Journal of Technology and Health Care*. 26 (S1): S501–S507. <https://doi.org/10.3233/THC-174800>
- Li, Z., Delaney, M.K., O'Brien, K.A., and Du, X. 2010. Signaling during platelet adhesion and activation. *Journal of Arteriosclerosis, Thrombosis, and Vascular Biology*. 30 (12): 2341–2349. <https://doi.org/10.1161/ATVBAHA.110.207522>
- Liang, Y., Du, R., Chen, R., Chu, P.H., Ip, M.S.M., Zhang, K.Y.B., and Mak, J.C.W. 2021. Therapeutic potential and mechanism of *Dendrobium officinale* polysaccharides on cigarette smoke-induced airway inflammation in rat. *Journal of Biomedicine and Pharmacotherapy*. 143 (112101): 1-10. <https://doi.org/10.1016/j.biopha.2021.112101>
- Liczbiński, Przemysław, and Bukowska, B. 2022. Tea and Coffee Polyphenols and Their Biological Properties Based on the Latest in Vitro Investigations. *Journal of Industrial Crops and Products*. 175 (14265):1-9. <https://doi.org/10.1016/j.indcrop.2021.114265>
- Lillig, C.H., and Holmgren, A. 2007. Thioredoxin and Related Molecules-From Biology to Health and Disease. *Journal of Antioxidants & Redox Signaling*. 9 (1): 25-47. <https://doi.org/10.1089/ars.2007.9.25>
- Lim, H., Lee, S.H., Lee, H.T., Lee, J.U., Son, J.Y., Shin, W., and Heo, Y.S. 2018. Structural biology of the TNF α antagonists used in the treatment of rheumatoid arthritis. *International Journal of Molecular Sciences*. 19 (3): 1–14. <https://doi.org/10.3390/ijms19030768>

- Lin, C., Bahmed, K., and Kosmider, B. 2022. Impaired Alveolar Re-Epithelialization in Pulmonary Emphysema. *Journal of Cells*. 11 (2055): 1–19. <https://doi.org/10.3390/cells11132055>
- Linkermann, A., Brasen, J. H., Darding, M., Jin, M. K., Sanz, A. B., Heller, Jan-Ole., De Zen, F., Weinlich, R., Ortize, A., Walczak, H., Weinberg, J.M., Greenf, D.R., Kunzendorfa, U., and Krautwald, S. 2013. Two independent pathways of regulated necrosis mediate ischemia-reperfusion injury. *Proceedings of the National Academy of Sciences*. 110 (29): 12024–12029. Doi: <https://doi.org/10.1073/pnas.1305538110>
- Liu, H., Zhang, J., Zhang, S., Yang, F., Thacker, P. A., Zhang, G., Qiao, S., and Ma, X. 2014. Oral Administration of *Lactobacillus fermentum* I5007 Favors Intestinal Development and Alters the Intestinal Microbiota in Formula-Fed Piglets. *Journal of Agricultural and Food Chemistry*. 62 (4): 860–866. <https://doi.org/10.1021/jf403288r>
- Liu, P., Le, J., Zhang, D., Wang, S., and Pan, T. 2017. Free radical reaction mechanism on improving tar yield and quality derived from lignite after hydrothermal treatment. *Journal of Fuel*. 207: 244–252. <https://doi.org/10.1016/j.fuel.2017.06.081>
- Liu, T., Zhang, L., Joo, D., and Sun, S.C. 2017. NF- κ B signaling in inflammation. *Journal of Signal Transduction and Targeted Therapy*. 2: 1–9. <https://doi.org/10.1038/sigtrans.2017.23>
- Liu, X. 2015. Enhanced motivation for food reward induced by stress and attenuation by corticotrophin-releasing factor receptor antagonism in rats: implications for overeating and obesity. *Journal of Psychopharmacology*. 232 (12): 2049–2060. <https://doi.org/10.1007/s00213-014-3838-1>
- Liu, Xingyong, Chen, X., Lin, T., Yin, B., Li, Q., Wang, L., Shao, J., and Yang, J. 2021. The level variation of N ϵ -(carboxymethyl)lysine is correlated with chlorogenic acids in Arabica L. Coffee beans under different process conditions. *Journal of Food Chemistry*. 343 (128458): 1–7. <https://doi.org/10.1016/j.foodchem.2020.128458>
- Lius, E.E., and Syafaah, I. 2022. Hyperoxia in the management of respiratory failure: A literature review. *Journal Annals of Medicine and Surgery*. 81 (104393): 1–8. <https://doi.org/10.1016/j.amsu.2022.104393>
- Lonati, E., Carrozzini, T., Bruni, I., Mena, P., Botto, L., Cazzaniga, E., Rio, D.D., Labra, M., Palestini, P., and Bulbarelli, A. 2022. Coffee-Derived Phenolic Compounds Activate Nrf2 Antioxidant Pathway in I/R Injury In Vitro Model: A Nutritional Approach Preventing Age Related-Damages. *Journal of Molecules*. 27 (3): 1–17. <https://doi.org/10.3390/molecules27031049>
- Lu Q, Gottlieb E, Rounds S. 2018. Effects of cigarette smoke on pulmonary endothelial cells. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. 314 (5): L743–L756. <https://journals.physiology.org/journal/ajplung>
- Lu, J., and Holmgren, A. 2014. The thioredoxin antioxidant system. *Free Radical Journal of Biology and Medicine*. 66: 75–87. <https://doi.org/10.1016/j.freeradbiomed.2013.07.036>
- Lu, Minglei, Wang, Qiao, Y., Jiang, C., Ge, Y., Flickinger, B., Malhotra, D.K., Dworkin, L.D., Liu, Z., and Gong, R. 2019. GSK3 β -Mediated Keap1-Independent Regulation of Nrf2 Antioxidant Response: A Molecular Rheostat of Acute Kidney Injury to Chronic Kidney Disease Transition.

- Journal of Redox Biology*. 26 (101275):1-26.
<https://doi.org/10.1016/j.redox.2019.101275>
- Lu, Q., Gottlieb, E., and Rounds, S. 2018. Effects of cigarette smoke on pulmonary endothelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*. 314 (5): L743–L756.
<https://doi.org/10.1152/AJPLUNG.00373.2017>
- Ma, X., He, P., Sun, P., and Han, P. 2010. Lipoic Acid: An Immunomodulator That Attenuates Glycinin-Induced Anaphylactic Reactions in a Rat Model. *Journal of Agricultural and Food Chemistry*. 58 (8): 5086–5092.
<https://doi.org/10.1021/jf904403u>
- Ma, Y., Luo, L., Liu, X., Li, H., Zeng, Z., He, X., Zhan, Z., and Chen, Y. 2021. Pirfenidone mediates cigarette smoke extract induced inflammation and oxidative stress in vitro and in vivo. *International Immunopharmacology Journal*. 96 (107593): 1-8. <https://doi.org/10.1016/j.intimp.2021.107593>
- Mahingsapun, Rattiyakorn, Tantayotai, P., Panyachanakul, P., Samosorn, S., Dolsophon, K., Jiamjariyatam, K., Lorliam, W., Srisuk, N., Krajangsang, S. 2022. Enhancement of Arabica Coffee Quality with Selected Potential Microbial Starter Culture under Controlled Fermentation in Wet Process. *Journal of Food Bioscience*. 48 (101819): 1-11.
<https://doi.org/10.1016/j.fbio.2022.101819>
- Małacka, M., and Ciepiela, O. 2020. A comparison of Sysmex-XN 2000 and Yumizen H2500 automated hematology analyzers. *Journal Practical Laboratory Medicine*. 22 (e00186): 1-6.
<https://doi.org/10.1016%2Fj.plabm.2020.e00186>
- Malenica, Maja, Prnjavorac, P., Bego, T., Dujic, T., Semiz, S., Skrbo, S., Gusic, A., Hadzic, A., and Causevic, A. 2017. Effect of Cigarette Smoking on Haematological Parameters in Healthy Population. *Medical Archives Journal*. 71 (2):132-36. <https://doi.org/10.5455/medarh.2017.71.132-136>
- Margis, R., Dunand, C., Teixeira, F.K., and Margis-Pinheiro, M. 2008. Glutathione peroxidase family - an evolutionary overview. *Federation of European Biochemical Societies Journal*. 275 (15): 3959-3970.
<https://doi.org/10.1111/j.1742-4658.2008.06542.x>
- Masselli, E., Pozzi, G., Vaccarezza, M., Mirandola, P., Galli, D., Vitale, M., Carubbi, C., and Gobbi, G. 2020. ROS in platelet biology: Functional aspects and methodological insights. *International Journal of Molecular Sciences*. 21 (14): 1–35. <https://doi.org/10.3390/ijms21144866>
- Matosinhos, R.C., Bezerra, J.P., Barros, C.H., Bernardes, A.C.F.P.F., C., Coelho, G.B., Araújo, M.C.D.M., Soares, R.D.D.A., Sachs, D., and Saúde-Guimarães, D.A. 2022. Coffea arabica extracts and their chemical constituents in a murine model of gouty arthritis: How they modulate pain and inflammation. *Journal of Ethnopharmacology*. 284 (114778): 1-11.
<https://doi.org/10.1016/j.jep.2021.114778>
- Mauliza, D., Rusli, Roslizawaty, Rosmaidar, Rinidar, and Masyitha, D. 2018. The Total of Leukocytes Mice (*Mus musculus*) Exposed To Secondhand Smoke Extract and Given Watermelon (*Citrullus vulgaris*). *Jurnal Medika Veterinaria*. 12 (1): 48-52. <https://doi.org/10.21157/j.med.vet.v12i1.4269>
- Mawardi, I., Nurdin, and Zulkarnaini. 2019. Appropriate Technology Program of Postharvested Coffee: Production, Marketing, and Coffee Processing Machine Business Unit. *Indonesian Journal of Community Engagement*. 5 (2): 267-283. <https://doi.org/10.22146/jpkm.36470>

- Mebratu, Y.A., Schwalm, K., Smith, K.R., Schuyler, M., and Tesfaigzi, Y.A. 2011. Cigarette smoke suppresses Bik to cause epithelial cell hyperplasia and mucous cell metaplasia. *American Journal of Respiratory and Critical Care Medicine*. 183 (11): 1531–1538. <https://doi.org/10.1164/rccm.201011-1930OC>
- Mesa, M.A., and Vasquez, G. 2013. NETosis. *Journal of Autoimmune Diseases*. 2013 (651497): 1-7. <https://doi.org/10.1155/2013/651497>
- Mescher, A.L. 2011. *Histologi Dasar JUNQUEIRA Teks dan Atlas*. Jakarta : EGC. Halaman : 292-308.
- Mescher, A.L. 2013. *Junqueira's Basic Histology Text and Atlas*. McGraw-Hill Education : New York. Page : 343-345.
- Metzen, D., M'Pembale, R., Zako, S., Mourikis, P., Helten, C., Zikeli, D., Ahlbrecht, S., Ignatov, D., Ayhan, A., Huhn, R., Zeus, T., Levkau, B., Petzold, T., Kelm, M., Dannenberg, L., and Polzin, A. 2021. Platelet reactivity is higher in e-cigarette vaping as compared to traditional smoking. *International Journal of Cardiology*. 343: 146–148. <https://doi.org/10.1016/j.ijcard.2021.09.005>
- Meyerholz, D.K., Suarez, C.J., Dintzis, S.M., and Frevert, C.W. 2018. *Respiratory System*. In *Comparative Anatomy and Histology*: Elsevier. pp. 147–162. <https://doi.org/10.1016/B978-0-12-802900-8.00009-9>
- Miao, Q., Xu, Y., Zhang, H., Xu, P., and Ye, J. 2019. Cigarette smoke induces ROS mediated autophagy impairment in human corneal epithelial cells. *Journal of Environmental Pollution*. 245 (2019): 389–397. <https://doi.org/10.1016/j.envpol.2018.11.028>
- Milad, N., Pineault, M., Lechasseur, A., Routhier, J., Beaulieu, M., Aubin, S., and Morissette, M.C. 2021. Neutrophils and IL-1 α Regulate Surfactant Homeostasis during Cigarette Smoking. *The Journal of Immunology*. 206 (8): 1923–1931. <https://doi.org/10.4049/jimmunol.2001182>
- Mineur, Y.S., Abizaid, A., Rao, Y., Salas, R., DiLeone, R.J., Gündisch, D., Diano, S., De Biasi, M., Horvath, T.L., Gao, X.B., & Picciotto, M.R. 2011. Nicotine decreases food intake through activation of POMC neurons. *Journal of Science*. 332 (6035): 1330–1332. <https://doi.org/10.1126/science.1201889>
- Mirón-Mérida, Vicente, A., Yáñez-Fernández, J., Montañez-Barragán, B., Huerta, B.E.B. 2019. Valorization of Coffee Parchment Waste (*Coffea Arabica*) as a Source of Caffeine and Phenolic Compounds in Antifungal Gellan Gum Films. *Journal of LWT Food Science and Thecnology*. 101:167-74. <https://doi.org/10.1016/j.lwt.2018.11.013>
- Miyata, Y., Inoue, H., Hirai, K., Ishikawa, F., Ohta, S., Sato, H., Mochizuki, K., Ebato, T., Mikuni, H., Kimura, T., Fukuda, Y., Kishino, Y., Homma, T., Oyamada, H., Kusumoto, S., Yamamoto, M., Suzuki, S., Udaka, Y., Tanaka, A., Ishino, K., Kiuchi, J., and Sagara, H. 2022. Serum cystatin C and CRP are early predictive biomarkers for emergence of hypoxia in COVID-19. *The American Journal of the Medical Sciences*. <https://doi.org/10.1016/j.amjms.2022.06.027>
- Mochida-Nishimura, K., Surewicz, K., Cross, Janet V., Hejal, R., Templeton, D., Rich, Elizabeth A., and Toossi, Z. 2001. Differential Activation of MAP Kinase Signaling Pathways and Nuclear Factor- κ B in Bronchoalveolar Cells of Smokers and Nonsmokers. *Journal Molecular Medicine*. 7 (3) : 177-185. <https://doi.org/10.1007/BF03401951>

- Mocniak, Leanne, E., Bitzer, Z.T., Trushin, N., and Richie, J.P. 2022. Effects of Tobacco Nitrate Content on Free Radical Levels in Mainstream Smoke. *Journal of Free Radical Biology and Medicine*. 190:116-23. <https://doi.org/10.1016/j.freeradbiomed.2022.08.006>
- Moraes, C.A., de, Breda-Stella, M., and Carvalho, C.A.F. 2021. Morphofunctional study on the effects of passive smoking in kidneys of rats. *Einstein* (Sao Paulo, Brazil), 19: 1-8. https://doi.org/10.31744/einstein_journal/2021AO6000
- Morales, M., and Munné-Bosch, S. 2019. Malondialdehyde: Facts and Artifacts. *Journal Plant Physiology*. 180 (3) : 1246-1250. <https://doi.org/10.1104/pp.19.00405>
- Moreno, J., Cozzano, S., Perez, A.M., Arcia, P., and Curutchet, A. 2019. Coffee Pulp Waste as a Functional Ingredient: Effect on Salty Cookies Quality. 2019. *Journal of Food and Nutrition Research*. 7 (9) : 632-638. <https://doi.org/10.12691/jfnr-7-9-2>
- Muhammad, H.F.L., Sulistyoningrum, D.C., Huriyati, E., Lee, Y.Y., and Manan Wan Muda, W.A. 2019. The Interaction between Coffee: Caffeine Consumption, UCP2 Gene Variation, and Adiposity in Adults - A Cross-Sectional Study. *Journal of Nutrition and Metabolism*. 2019 (9606054): 1-8. <https://doi.org/10.1155/2019/9606054>
- Mulyati, Fitria, R., dan Hartantyo, R.Y. 2020. *Petunjuk Praktikum Endokrinologi dan Reproduksi Hewan Program Pascasarjana Biologi*. Yogyakarta : Laboratorium Fisiologi Hewan Fakultas Biologi Universitas Gadjah Mada.
- Mulyono, A., and Azhar, H. 2021. The Effect of Cigarette Smoke through Biofilters with Natural Plant Material on Mice MDA Level. *Medicine Journal Islam Republic Iran*. 35 (182):1-6. <https://doi.org/10.47176/mjiri.35.182>
- Munyendo, L.M., Njoroge, D.M., Owaga, E.E., and Mugendi, B. 2021. Coffee phytochemicals and post-harvest handling—A complex and delicate balance. *Journal of Food Composition and Analysis*. 102 (103995): 1-11. <https://doi.org/10.1016/j.jfca.2021.103995>
- Murase, T., Misawa, K., Minegishi, Y., Aoki, M., Ominami, H., Suzuki, Y., Shibuya, Y., and Hase, T. 2011. Coffee polyphenols suppress diet-induced body fat accumulation by downregulating SREBP-1c and related molecules in C57BL/6J mice. *American Journal of Physiology-Endocrinology and Metabolism*. 300 (1): E122-E133. <https://doi.org/10.1152/ajpendo.00441.2010>
- Murawska-Ciaowicz, E., Bal, W., Januszewska, L., Zawadzki, M., Rychel, J., and Zuwała-Jagieo, J. 2012. Oxidative stress level in the testes of mice and rats during nickel intoxication. *The Scientific World Journal*. 2012 (395741): 1-5. <https://doi.org/10.1100/2012/395741>
- Murphy, C.M., Rohsenow, D.J., Johnson, K.C., and Wing, R.R. 2018. Smoking and weight loss among smokers with overweight and obesity in look AHEAD. *Journal of Health Psychology*. 37 (5): 399-406. <https://doi.org/10.1037/hea0000607>
- Nadia M.M, Shamseldein H.A, and Sara A.S. 2015. Effects of Cigarette and Shisha Smoking on Hematological Parameters: An analytic case-control study. *International Multispecialty Journal of Health*. 1 (10): 44-51. DOI: 10.25125/medical-journal

- Naveed, S., and Abdi, A. 2015. Effect of Smoking on Lungs Function: Survey Based Study. *Journal of Innovations in Pharmaceuticals and Biological Sciences*. 2 (2) : 131-134. ISSN: 2349-2759.
- Nicholson, L.B. 2016. The Immune System. *Journal Essays In Biochemistry*. 60 (3) : 275-301. <https://doi.org/10.1042/EBC20160017>
- Nimse, S.B., and Pal, D. 2015. Free Radicals, Natural Antioxidants, and Their Reaction Mechanisms. *Journal Royal Society of Chemistry*. 5 (35) : 27986-28006. <https://doi.org/10.1039/C4RA13315C>
- Nurden, P., Gobbi, G., Nurden, A., Enouf, J., Youlyouz-Marfak, I., Carubbi, C., La Marca, S., Punzo, M., Baronciani, L., De Marco, L., Vitale, M., and Federici, A.B. 2010. Abnormal VWF modifies megakaryocytopoiesis: Studies of platelets and megakaryocyte cultures from patients with von Willebrand disease type 2B. *Journal of Blood*. 115 (13): 2649–2656. <https://doi.org/10.1182/blood-2009-07-231886>
- Ogotu, Collins, Cheron, S., Ntini, C., Wang, L., Han, Y. 2022. Comprehensive Analysis of Quality Characteristics in Main Commercial Coffee Varieties and Wild Arabica in Kenya. *Journal of Food Chemistry* : X. 14 (100294): 1-8. <https://doi.org/10.1016/j.fochx.2022.100294>
- Olas, B., and Bryś, M. 2019. Effects of coffee, energy drinks and their components on hemostasis: The hypothetical mechanisms of their action. *Journal of Food and Chemical Toxicology*. 127: 31–41. <https://doi.org/10.1016/j.fct.2019.02.039>
- Paiva, S.A.R., and Russell, R.M. 1999. β -Carotene and Other Carotenoids as Antioxidants. *Journal of the American College of Nutrition*. 18 (5): 426-433. <https://doi.org/10.1080/07315724.1999.10718880>
- Palmieri, M.G.S., Cruz, L.T., Bertges, F.S., Húngaro, H.M., Batista, L.R., da Silva, S.S., Fonseca, M.J.V., Rodarte, M.P., Vilela, F.M.P., and Amaral, M.D.H. 2018. Enhancement of antioxidant properties from green coffee as promising ingredient for food and cosmetic industries. *Journal of Biocatalysis and Agricultural Biotechnology*. 16: 43-48. <https://doi.org/10.1016/j.bcab.2018.07.011>
- Pan, Y., Liu, Z., Tang, Y., Tao, J., Deng, F., Lei, Y., Tan, Y., Zhu, S., Wen, X., Guo, L., Li, R., Deng, M., and Liu, R. 2022. HIF-1 α drives the transcription of NOG to inhibit osteogenic differentiation of periodontal ligament stem cells in response to hypoxia. *Journal of Experimental Cell Research*. 419 (2): 1-16 doi: <https://doi.org/10.1016/j.yexcr.2022.113324>
- Panusa, A., Petrucci, R., Lavecchia, R., and Zuurro, A. 2017. UHPLC-PDA-ESI-TOF/MS metabolic profiling and antioxidant capacity of arabica and robusta coffee silverskin: Antioxidants vs phytotoxins. *Journal of Food Research International*. 99 (2017): 155–165. <https://doi.org/10.1016/j.foodres.2017.05.017>
- Paquette, M., Bernard, S., and Baass, A. 2021. Hemoglobin concentration, hematocrit and red blood cell count predict major adverse cardiovascular events in patients with familial hypercholesterolemia. *Journal of Atherosclerosis*. 335 : 41–46. <https://doi.org/10.1016/j.atherosclerosis.2021.09.015>
- Patay, É.B., Bencsik, T., and Papp, N. 2016. Phytochemical Overview and Medicinal Importance of *Coffea* Species From The Past Until Now. *Asian Pacific Journal of Tropical Medicine*. 9 (12) : 1127-1135. Doi : <https://doi.org/10.1016/j.apjtm.2016.11.008>

- Pavan, B., Dalpiaz, A., Marani, L., Beggiato, S., Ferraro, L., Canistro, D., Paolini, M., Vivarelli, F., Valerii, M.C., Comparone, A., De Fazio, L.D., and Spisni, E. 2018. Geraniol pharmacokinetics, bioavailability and its multiple effects on the liver antioxidant and xenobiotic-metabolizing enzymes. *Journal of Frontiers in Pharmacology*. 9 (18): 1–14. <https://doi.org/10.3389/fphar.2018.00018>
- Pavlou, P., Antoniadu, I., Peraki, A., and Vitsos, A. 2020. Protective Effects of Pinus halepensis Bark Extract and Nicotine on Cigarette Smoke-induced Oxidative Stress in Keratinocytes. *Journal of In Vivo*. 34: 1835-1843. <http://dx.doi.org/10.21873/invivo.11978>
- Pedan, V., Stamm, E., Do, T., Holinger, M., and Reich, E. 2020. HPTLC fingerprint profile analysis of coffee polyphenols during different roast trials. *Journal of Food Composition and Analysis*. 94 (103610): 1-9. <https://doi.org/10.1016/j.jfca.2020.103610>
- Pedersen, K.M., Çolak, Y., Ellervik, C., Hasselbalch, H.C., Bojesen, S.E., and Nordestgaard, B.G. 2019. Smoking and Increased White and Red Blood Cells: A Mendelian Randomization Approach in the Copenhagen General Population Study. *Journal of Arteriosclerosis, Thrombosis, and Vascular Biology*. 39 (5): 965–977. <https://doi.org/10.1161/ATVBAHA.118.312338>
- Pezzuto, A., Citarella, F., Croghan, I., and Tonini, G. 2019. The effects of cigarette smoking extracts on cell cycle and tumor spread: Novel evidence. *Journal of In Future Science OA*. 5 (5): 1-10. <https://doi.org/10.2144/fsoa-2019-0017>
- Phaniendra, A., Jestadi, D.B., and Periyasamy, L. 2015. Free Radicals: Properties, Sources, Targets, and Their Implication in Various Diseases. *Indian Journal of Clinical Biochemistry*. 30 (1): 11–26. <https://doi.org/10.1007/s12291-014-0446-0>
- Pinheiro, F.D., Elias, L.F., Filho, D.M., Modolo, M.U., Rocha, J.D.G., Lemos, M.F., Scherer, R., and Cardoso, W.S. 2021. Arabica and Conilon coffee flowers: Bioactive compounds and antioxidant capacity under different processes. *Journal of Food Chemistry*. 336 (127701): 1-10. <https://doi.org/10.1016/j.foodchem.2020.127701>
- Poppendieck, D., Khurshid, S., and Emmerich, S. 2016. *Measuring Airborne Emissions from Cigarette Butts: Literature Review and Experimental Plan*. National Institute Of Standards and Technology : U.S. Department of Commerce. Pp : 1-3.
- Prasad, A.S., Bao, B., Beck, F.W.J., Kucuk, O., and Sarkar, F.H. 2004. Antioxidant effect of zinc in humans. *Journal of Free Radical Biology and Medicine*. 37 (8): 1182-1190. <https://doi.org/10.1016/j.freeradbiomed.2004.07.007>
- Prasad, S.N., and Muralidhara, M. 2017. Analysis of the antioxidant activity of geraniol employing various in-vitro models: Relevance to neurodegeneration in diabetic neuropathy. *Asian Journal of Pharmaceutical and Clinical Research*. 10 (7): 101–105. <https://doi.org/10.22159/ajpcr.2017.v10i7.18564>
- Prasetyo, S., Wesley, A., and Tedi, H. 2015. *The Pre-Chromatography Purification Of Crude Oleoresin of Phaleria Macrocarpa Fruit Ekstracts by Using 70%-v/v Etanol*. Yogyakarta : Pengembangan Teknologi Kimia Untuk Pengolahan Sumber Daya Alam Indonesia.
- Priftis, A., Goutzourelas, N., Halabalaki, M., Ntasi, G., Stagos, D., Amoutzias, G.D., Skaltsounis, L. A., and Kouretas, D. 2018. Effect of polyphenols from coffee and grape on gene expression in myoblasts. *Journal of Mechanisms of*

Ageing and Development. 172: 115-122.
<https://doi.org/10.1016/j.mad.2017.11.015>

- Pujani, Mukta, Chauhan, V., Singh, K., Rastogi, S., Agarwal, C., and Gera, K. 2021. The Effect and Correlation of Smoking with Platelet Indices, Neutrophil Lymphocyte Ratio and Platelet Lymphocyte Ratio. *Journal of Hematology, Transfusion and Cell Therapy*. 43 (4):424-29. <https://doi.org/10.1016/j.htct.2020.07.006>
- Qiu, S.L., Zhang, H., Tang, Q.Y., Bai, J., He, Z.Y., Zhang, J.Q., Li, M.H., Deng, J.M., Liu, G.N., and Zhong, X.N. 2017. Neutrophil extracellular traps induced by cigarette smoke activate plasmacytoid dendritic cells. *Journal of Thorax*. 72 (12): 1084–1093. <https://doi.org/10.1136/thoraxjnl-2016-20988>
- Raatz, S.K., Jahns, L., Johnson, L.A.K., Scheett, A., Carriquiry, A., Lemieux, A., Nakajima, M., and al'Absi, M. 2017. Smokers report lower intake of key nutrients than nonsmokers, yet both fall short of meeting recommended intakes. *Journal of Nutrition Research*. 45 (2017): 30–37. <https://doi.org/10.1016/j.nutres.2017.07.010>
- Rahardjo, P. 2012. *Panduan Budidaya dan Pengolahan Kopi Arabika dan Robusta*. Jakarta : Penebar Swadaya Group. Halaman 9-10.
- Rahimah, S.B., Sastramihardja, H.S., dan Sitorus, T.D. 2010. Efek Antioksidan Jamur Tiram Putih pada Kadar Malondialdehid dan Kepadatan Permukaan Sel Paru Tikus yang Terpapar Asap Rokok. *Majalah Kedokteran Bandung*. 42 (4) : 1-8. <http://dx.doi.org/10.15395/mkb.v42n4.36>
- Rahma, F., Ardiaria, M., dan Panunggal, B. 2019. Pengaruh Pemberian Ubi Jalar (*Ipomoea batatas* L. Poir) Terhadap Kadar Leukosit Total Tikus Wistar Jantan (*Rattus norvegicus*) yang diPapar Asap Rokok. *Journal Of Nutriion College*. 8 (2) : 65-72. <https://doi.org/10.14710/jnc.v8i2.23815>
- Rahman, M.M., Rahaman, M.S., Islam, M.R., Rahman, F., Mithi, F.M., Alqahtani, T., Almikhlaifi, M.A., Alghamdi, S.Q., Alruwaili, A.S., Hossain, M.S., Ahmed, M., Das, R., Emran, T. Bin, and Uddin, M.S. 2022. Role of phenolic compounds in human disease: Current knowledge and future prospects. *Journal of Molecules*. 27 (1): 1–36. <https://doi.org/10.3390/molecules27010233>
- Rahmi, H., Mallouki, B.Y., Chigr, F., and Najimi, M. 2021. The effects of smoking Haschich on blood parameters in young people from the Beni Mellal region Morocco. *AIMS Medical Science Journal*. 8 (4): 276–290. <https://doi.org/10.3934/medsci.2021023>
- Ramirez-Coronel, M.A., Marnet, N., Kolli, V.S.K., Roussos, V., Guyot, S., and Augur, C. 2004. Characterization and Estimation of Proanthocyanidins and Other Phenolics in Coffee Pulp (*Coffea arabica*) by Thiolytic–High-Performance Liquid Chromatography. *Journal Of Agricultural and Food Chemistry*. 52 (5): 1344-1349. doi: <https://doi.org/10.1021/jf035208t>
- Randriani, E., Dani, and Wardiana, E. 2018. Atribut Empat Multi Kultivar Kopi Arabika Pada Ketinggian Tempat Tumbuh dan Metode Pengolahan yang Berbeda. *Jurnal Tanaman Industri dan Penyegar*. 5 (1): 1-10. <http://dx.doi.org/10.21082/jtidp.v5n1.2018.p21-30>
- Rayner, R.E., Makena, P., Prasad, G.L., and Cormet-Boyaka, E. 2021. Cigarette smoke preparations, not electronic nicotine delivery system preparations, induce features of lung disease in a 3D lung repeat-dose model. *American Journal of Physiology Lung Cellular and Molecular Physiology*. 320 (2): L276–L287. <https://doi.org/10.1152/AJPLUNG.00452.2020>

- Rebollo-Hernanz, M., Aguilera, Y., Martín-Cabrejas, M.A., and de Mejia, E.G. 2022. Activating Effects of the Bioactive Compounds From Coffee By-Products on FGF21 Signaling Modulate Hepatic Mitochondrial Bioenergetics and Energy Metabolism in vitro. *Journal of Frontiers in Nutrition*. 9: 1-23. <https://doi.org/10.3389/fnut.2022.866233>
- Reid, A.T., Nichol, K.S., Veerati, P.C., Moheimani, F., Kicic, A., Stick, S.M., Bartlett, N.W., Grainge, C.L., Wark, P.A.B., Hansbro, P.M., and Knight, D.A. 2020. Blocking notch3 signaling abolishes MUC5AC production in airway epithelial cells from individuals with asthma. *American Journal of Respiratory Cell and Molecular Biology*. 62 (4): 513–523. <https://doi.org/10.1165/rcmb.2019-0069OC>
- Rice-Evans, C.A., Miller, N.J., and Paganga, G. 1996. Structure-antioxidant activity relationships of flavonoids and phenolic acids. *Journal of Free Radical Biology and Medicine*. 20 (7): 933–956. [https://doi.org/10.1016/0891-5849\(95\)02227-9](https://doi.org/10.1016/0891-5849(95)02227-9)
- Roemer, E., Dempsey, R., Lawless-Pyne, J., Lukman, S., Evans, A.D., Trelles-Sticken, E., Wittke, S., and Schorp, M.K. 2014. Toxicological assessment of kretek cigarettes part 4: Mechanistic investigations, smoke chemistry and in vitro toxicity. *Journal of Regulatory Toxicology and Pharmacology*. 70(S1):S41–S53. <https://doi.org/10.1016/j.yrtph.2014.09.012>
- Rojas-González, A., Figueroa-Hernández, C.Y., González-Rios, O., Suárez-Quiroz, M.L., González-Amaro, R.M., Hernández-Estrada, Z.J., and Rayas-Duarte, P. 2022. Coffee Chlorogenic Acids Incorporation for Bioactivity Enhancement of Foods: A Review. *Journal of Molecules*. 27 (11): 1-23. <https://doi.org/10.3390/molecules27113400>
- Rudrapal, M., Maji, S., Prajapati, S.K., Kesharwani, P., Deb, P.K., Khan, J., Mohamed Ismail, R., Kankate, R.S., Sahoo, R.K., Khairnar, S.J., and Bendale, A.R. 2022. Protective Effects of Diets Rich in Polyphenols in Cigarette Smoke (CS)-Induced Oxidative Damages and Associated Health Implications. *Journal of Antioxidants*. 11 (7): 1-20. <https://doi.org/10.3390/antiox11071217>
- Rupprecht, L.E., Smith, T.T., Donny, E.C., and Sved, A.F. 2016. Self-administered nicotine suppresses body weight gain independent of food intake in male rats. *Journal of Nicotine and Tobacco Research*. 18 (9): 1869–1876. <https://doi.org/10.1093/ntr/ntw113>
- Sahin, Elvan, Ortug, G., and Ortug, A. 2018. Does Cigarette Smoke Exposure Lead to Histopathological Alterations in the Olfactory Epithelium? An Electron Microscopic Study on a Rat Model. *Journal of Ultrastructural Pathology*. 42 (5):440–47. <https://doi.org/10.1080/01913123.2018.1499685>
- Samadi, M., Mohammadshahi, M., and Haldari, F. 2015. *Journal of Nutritional Disorders & Therapy*. 5 (4): 1-3. <http://dx.doi.org/10.4172/2161-0509.1000180>
- Sayed, M.M., Elgamal, D.A., Farrag, A.A., and Gomaa, A.M.S. 2019. Nicotine-induced oxidative stress alters sciatic nerve barriers in rat through modulation of ZO-1 & VEGF expression. *Journal of Tissue and Cell*. 60: 60–69. <https://doi.org/10.1016/j.tice.2019.08.004>
- Sehwag, S., and Das, M. 2013. Antioxidant Activity: An Overview. *Journal of Food Science and Technology*. 2 (3) : 1-10. ISSN: 2278 –2249.

- Setyaningsih, E., 2015. Konsumssi Oksigen Tikus Putih (*Rattus norvegicus* L.) Strain Wistar Yang Terdedah Asap Rokok-Berfilter dan Tanpa Filter. *Prosiding Seminar Nasional Pendidikan Sains*. ISSN: 2407-4659. 573-582.
- Setyaningsih, E., dan Saraswari, R.A. 2018. Pengaruh Asap Rokok Berfilter terhadap Kadar Protein Plasma Darah Tikus Putih (*Rattus Norvegicus* L.) Jantan Strain Wistar. *Proceeding Biology Education Conference*. 15 (1) : 683-688. ISSN : 2528-5742
- Setyawan, A. 2018. Kretek Sebagai Budaya Asli Indonesia: Telaah Paradigmatik Terhadap Pandangan Mark Hanusz Mengenai Kretek di Indonesia. *Jurnal Dakwah dan Sosial*. 1 (1) : 67-85. <https://doi.org/10.5281/zenodo.3545039>
- Shah, A.A., Khand, F., and Khand, T.U. 2015. Effect of smoking on serum xanthine oxidase, malondialdehyde, ascorbic acid and α -tocopherol levels in healthy male subjects. *Pakistan Journal of Medical Sciences*. 31 (1): 146–149. <https://doi.org/10.12669/pjms.311.6148>
- Shah, B.K., Nepal, A.K., Agrawal, M., and Sinha, A.K. 2012. The effects of cigarette smoking on hemoglobin levels compared between smokers and non-smokers. *Sunsari Technical College Journal*. 1 (1): 42-44. <https://doi.org/10.3126/stcj.v1i1.7985>
- Shah, J., Mullen, M., and Lu, M. 2020. E-Cigarette or Vaping Product Use Associated Lung Injury: A Case Study and Review of the Literature. *Journal of Radiology Nursing*. 39 (4): 1-4. doi.org/10.1016/j.jradnu.2020.09.005
- Shakeela Begum, Marthadu, Saradamma, S., Reddy, V.D., Padmavathi, P., Maturu, P., Ellutla, N.B., Thippannagari, T.L., and Varadacharyulu., N.C. 2017. Influence of Green Tea Consumption on Cigarette Smoking-Induced Biochemical Changes in Plasma and Blood. *Journal of Clinical Nutrition Experimental*. 16:1–12. <https://doi.org/10.1016/j.yclnex.2017.10.002>
- Shankar, K., Ambroggi, F., and George, O. 2022. Microstructural meal pattern analysis reveals a paradoxical acute increase in food intake after nicotine despite its long-term anorexigenic effects. *Journal of Psychopharmacology*. 239 (3): 807–818. <https://doi.org/10.1007/s00213-022-06071-2>
- Sherke, B.A., Vadapalli, K., Bhargava, D.V., Sherke, A.R., Mohan, M., and Gopireddy, R. 2016. Effect of number of cigarettes smoked per day on red blood cell, leucocyte and platelet count in adult Indian male smokers – A case control study. *International Journal of Medical Research & Health Sciences*. 5 (2): 13–17. ISSN No: 2319-5886.
- Shipa, S.A., Rana, M., Miah, F., Alam, J., and Mahmud, M.G.R. 2017. Effect of intensity of cigarette Smoking on Leukocytes among Adult Men and Women Smokers in Bangladesh. *Asia Pacific Journal Medical Toxicology*. 6 (1): 12–17. <https://dx.doi.org/10.22038/apjmt.2017.8472>
- Shirzaei, M., and Dalirsani, Z. 2019. The Effect of Glycemic Control on Salivary Lipid Peroxidation in Type II Diabetic Patients. *Journal Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 13 (3) : 1991-1994. <https://doi.org/10.1016/j.dsx.2019.04.004>
- Shokouh, P., Jeppesen, P.B., Christiansen, C.B., Mellbye, F.B., Hermansen, K., and Gregersen, S. 2019. Efficacy of arabica versus robusta coffee in improving weight, insulin resistance, and liver steatosis in a rat model of type-2 diabetes. *Journal of Nutrients*. 11 (9): 1-15. <https://doi.org/10.3390/nu11092074>
- Silva-Santana, G., Aguiar-Alves, F., da Silva, L.E., Baretto, M.L., da Silva, J.F.R., Gonçalves, A., Mattos-Guaraldi, and Lenzi-Almeida, K.C. 2019. Compared

- Anatomy and Histology between *Mus musculus* Mice (Swiss) and *Rattus norvegicus* Rats (Wistar). *Journal of Preprints*. 1-34. doi: <https://doi.org/10.20944/preprints201907.0306.v1>
- Skowrońska, Weronika, Granica, S., Czerwińska, M.E., Osńska, E., and Bazyłko., A. 2022. *Sambucus Nigra* L. Leaves Inhibit TNF- α Secretion by LPS-Stimulated Human Neutrophils and Strongly Scavenge Reactive Oxygen Species. *Journal of Ethnopharmacology*. 290 (115116): 1-11. <https://doi.org/10.1016/j.jep.2022.115116>
- Smith, Caleb, J., Kluck, L.A., Ruan, G.J., Ashrani, A.A., Marshall, A.L., Pruthi, R.K., Shah, M.V., Wolanskyj-Spinner, A., Gangat, N., Litzow, M.R., Hogan, W.J., Sridharan, M., and Ronald, S.G. 2021. Leukocytosis and Tobacco Use: An Observational Study of Asymptomatic Leukocytosis. *American Journal of Medicine*. 134 (1): e31–35. <https://doi.org/10.1016/j.amjmed.2020.06.014>
- Snijder, Juan, Peraza, J., Padilla, M., Capaccione, K., and Salvatore, M.M. 2019. Pulmonary Fibrosis: A Disease of Alveolar Collapse and Collagen Deposition. *Expert Review of Respiratory Medicine Journal*. 13 (7):615–19. <https://doi.org/10.1080/17476348.2019.1623028>
- Soleimani, Farshid, Dobaradaran, S., De-la-Torre, G.E., Schmidt, T.C., Saeedi, R. 2022. Content of Toxic Components of Cigarette, Cigarette Smoke vs Cigarette Butts: A Comprehensive Systematic Review. *Journal of Science of the Total Environment*. 813 (1526671): 1-25. <https://doi.org/10.1016/j.scitotenv.2021.152667>
- Son, E.S., Park, J.W., Kim, Y.J., Jeong, S.H., Hong, J.H., Kim, S.H., and Kyung, S.Y. 2020. Effects of antioxidants on oxidative stress and inflammatory responses of human bronchial epithelial cells exposed to particulate matter and cigarette smoke extract. *Journal of Toxicology in Vitro*. 67 (104883): 1-11. <https://doi.org/10.1016/j.tiv.2020.104883>
- Souma, T., Suzuki, N., and Yamamoto, M. 2015. Renal erythropoietin-producing cells in health and disease. *Journal of Frontiers in Physiology*. 6 (167): 1–10. <https://doi.org/10.3389/fphys.2015.00167>
- Sousa, Célia, Rodrigues, M., Carvalho, A., Viamonte, B., Cunha, R., Guimarães, S., de Moura, C.S., Morais, A., and Pereira, J.M. 2019. Diffuse Smoking-Related Lung Diseases: Insights from a Radiologic-Pathologic Correlation. *Journal of Insights into Imaging*. 10 (1):1-13. <https://doi.org/10.1186/s13244-019-0765-z>
- Stefanello, N., Spanevello, R.M., Passamonti, S., Porciúncula, L., Bonan, C.D., Olabiyi, A.A., Teixeira da Rocha, J.B., Assmann, C.E., Morsch, V.M., and Schetinger, M.R.C. 2019. Coffee, caffeine, chlorogenic acid, and the purinergic system. *Journal of Food and Chemical Toxicology*. 123: 298–313. <https://doi.org/10.1016/j.fct.2018.10.005>
- Stojakovic, A., Espinosa, E.P., Farhad, O.T., and Lutfy, K. 2017. Effects of nicotine on homeostatic and hedonic components of food intake. *Journal of Endocrinology*. 235(1): R13–R31. <https://doi.org/10.1530/JOE-17-0166>
- Stoll, S.E., Paul, E., Pilcher, D., Udy, A., and Burrell, A. 2022. Hyperoxia and mortality in conventional versus extracorporeal cardiopulmonary resuscitation. *Journal of Critical Care*. 69 (154001): 1-7. <https://doi.org/10.1016/j.jcrc.2022.154001>
- Strzelak, A., Ratajczak, A., Adamiec, A., and Feleszko, W. 2018. Tobacco smoke induces and alters immune responses in the lung triggering inflammation, allergy, asthma and other lung diseases: A mechanistic review. *International*

- Journal of Environmental Research and Public Health*. 15 (5): 1-35.
<https://doi.org/10.3390/ijerph15051033>
- Su, Y., Simmen, F.A., Xiao, R., and Simmen, R.C.M. 2007. Expression profiling of rat mammary epithelial cells reveals candidate signaling pathways in dietary protection from mammary tumors. *Journal of Physiological Genomics*. 30 (1): 8–16. <https://doi.org/10.1152/physiolgenomics.00023.2007>
- Sualeh, A., Tolessa, K., and Mohammed, A. 2020. Biochemical composition of green and roasted coffee beans and their association with coffee quality from different districts of southwest Ethiopia. *Journal of Heliyon*. 6 (12): e05812. <https://doi.org/10.1016/j.heliyon.2020.e05812>
- Sudeep, H., and Shyam Prasad, K. 2021. Supplementation of green coffee bean extract in healthy overweight subjects increases lean mass/fat mass ratio: A randomized, double-blind clinical study. *Journal of SAGE Open Medicine*. 9 (14): 1-10. <https://doi.org/10.1177/20503121211002590>
- Sudiono, J. 2014. *Sistem Kekebalan Tubuh*. Jakarta : Buku Kedokteran EGC. Halaman 33-35.
- Suehiro, C.L., Souza, N.T.S., da Silva, E.B., Cruz, M.M., Laia, R.M., de Oliveira Santos, S., Santana-Novelli, F.P.R., de Castro, T.B.P., Lopes, F.D.T.Q.S., Pinheiro, N.M., Tibério, I.D.L.C., Olivo, C.R., Alonso-Vale, M.I., Prado, M.A. M., Prado, V.F., de Toledo-Arruda, A.C., and Prado, C.M. 2022. Aerobic exercise training engages cholinergic signaling to improve emphysema induced by cigarette smoke exposure in mice. *Journal of Life Sciences*. 301(120599): 1-9. <https://doi.org/10.1016/j.lfs.2022.120599>
- Suen, Der-Fen., Norris, K.L., and Youle, R.J., 2008. Mitochondrial dynamics and apoptosis. *Genes & Development*. 22 (12): 1577–1590. <https://doi.org/10.1101/gad.1658508>
- Sun, L., Wang, H., Wang, Z., He, S., Chen, S., Liao, D., Wang, L., Yan, J., Liu, W., Lei, X., and Wang, X. 2012. Mixed Lineage Kinase Domain-like Protein Mediates Necrosis Signaling Downstream of RIP3 Kinase. *Journal Cell*. 148 (1-2): 213-227. <https://doi.org/10.1016/j.cell.2011.11.031>
- Suprihatin, A., Harianto, Sinaga, B.M., and Kustiari, R. 2018. Dinamika Konsumsi Rokok dan Impor Tembakau Indonesia. *SEPA Jurnal Sosial Ekonomi Pertanian dan Agribisnis*. 14 (2): 183-194. <https://doi.org/10.20961/sepa.v14i2.25016>
- Tabassum, A., Bristow, R.G., and Venkateswaran, V. 2010. Ingestion of selenium and other antioxidants during prostate cancer radiotherapy: A good thing? *Journal of Cancer Treatment Reviews*. 36 (3): 230-234. <https://doi.org/10.1016/j.ctrv.2009.12.008>
- Takayama, A., Takeshima, T., Nakashima, Y., Yoshidomi, T., Nagamine, T., and Kotani, K. 2019. A Comparison of Methods to Count Breathing Frequency. *Respiratory Journal of Care*. 64 (5): 555-563. <https://doi.org/10.4187/respcare.06451>
- Tantisuwat, Anong, and Thaveeratitham, P. 2014. Effects of Smoking on Chest Expansion, Lung Function, and Respiratory Muscle Strength of Youths. *Journal of Physical Therapy Science*. 26 (2):167–70. doi: <https://doi.org/10.1589/jpts.26.167>
- Terpinc, P., Polak, T., Šegatin, N., Hanzlowsky, A., Ulrih, N.P., and Abramovič, H. 2011. Antioxidant properties of 4-vinyl derivatives of hydroxycinnamic acids. *Journal of Food Chemistry*. 128 (1): 62-69. <https://doi.org/10.1016/j.foodchem.2011.02.077>

- Thimmulappa, Rajesh, K., Chattopadhyay, I., and Rajasekaran, R.S. 2019. *Oxidative Stress Mechanisms in the Pathogenesis of Environmental Lung Diseases*. Oxidative Stress in Lung Diseases. Vol. 2 Pp: 103-37. Springer Singapore. https://doi.org/10.1007%2F978-981-32-9366-3_5
- Thomson, D. L. 2009. What is Oxygen Consumption ?. *American College of Sports Medicine Health and Fitness Journal*. 14 (1): 5643. <https://doi.org/10.1249/FIT.0b013e3181c63f46>
- Tian, D., Zhu, M., Li, J., Ma, Y., and Wu, R. 2009. Cigarette smoke extract induces activation of β -catenin/TCF signaling through inhibiting GSK3 β in human alveolar epithelial cell line. *Journal of Toxicology Letters*. 187 (1): 58–62. <https://doi.org/10.1016/j.toxlet.2009.02.002>
- Tian, Xue, Xue, Y., Xie, G., Zhou, Y., Xiao, H., Ding, F., and Zhang, M. 2021. (–)-Epicatechin Ameliorates Cigarette Smoke-Induced Lung Inflammation via Inhibiting ROS/NLRP3 Inflammasome Pathway in Rats with COPD. *Journal of Toxicology and Applied Pharmacology*. 429 (115674): 1-12. <https://doi.org/10.1016/j.taap.2021.115674>
- Tobacco Control Support Center-Ikatan Ahli Kesehatan Masyarakat Indonesia. 2020. *ATLAS TEMBAKAU INDONESIA 2020*. Jakarta Pusat : TCSC-IAKMI. Halaman 39-53.
- Tommasi, S., Yoon, J.I., and Besaratinia, A. 2020. Secondhand smoke induces liver steatosis through deregulation of genes involved in hepatic lipid metabolism. *International Journal of Molecular Sciences*. 21 (4): 1-22. <https://doi.org/10.3390/ijms21041296>
- Tong, K.I., Katoh, Y., Kusunoki, H., Itoh, K., Tanaka, T., and Yamamoto, M. 2006. Keap1 Recruits Neh2 through Binding to ETGE and DLG Motifs: Characterization of the Two-Site Molecular Recognition Model. *Journal of Molecular and Cellular Biology*. 26 (8): 2887–2900. <https://doi.org/10.1128/mcb.26.8.2887-2900.2006>
- Tracey, D., Klareskog, L., Sasso, E.H., Salfeld, J.G., and Tak, P.P. 2008. Tumor necrosis factor antagonist mechanisms of action: A comprehensive review. *Journal of Pharmacology and Therapeutics*. 117 (2): 244–279. <https://doi.org/10.1016/j.pharmthera.2007.10.001>
- Triptetch, Phattanit, and Borompichaichartkul, B.C. 2019. Effect of Packaging Materials and Storage Time on Changes of Colour, Phenolic Content, Chlorogenic Acid and Antioxidant Activity in Arabica Green Coffee Beans (*Coffea Arabica* L. Cv. Catimor). *Journal of Stored Products Research*. 84(101510): 1-7. <https://doi.org/10.1016/j.jspr.2019.101510>
- Tulgar, Y.K., Cakar, S., Tulgar, S., Dalkilic, O., Cakiroglu, B., and Uyanik, B.S. 2016. The effect of smoking on neutrophil/ lymphocyte and platelet/lymphocyte ratio and platelet indices: A retrospective study. *Journal of European Review for Medical and Pharmacological Sciences*. 20 (14): 3112–3118. ISSN: 1128-3602.
- Van den Berg, M.J., van der Graaf, Y., Deckers, J.W., de Kanter, W., Algra, A.L., Kappelle, J., de Borst, G.J., Cramer, M.J.M., and Visseren, F.L.J. 2019. Smoking Cessation and Risk of Recurrent Cardiovascular Events and Mortality after a First Manifestation of Arterial Disease'. *American Heart Journal* 213:112–22. <https://doi.org/10.1016/j.ahj.2019.03.019>
- Van Putten, L.M. 1958. The Life Span of Red Cells in the Rat and the Mouse as Determined by Labeling with DFP32 in Vivo. *Journal of Blood*. 13 (8): 789-794. <https://doi.org/10.1182/blood.V13.8.789.789>

- Venè, Roberta, Cardinali, B., Arena, G., Ferrari, N., Benelli, R., Minghelli, S., Poggi, A., Noonan, D.M., Albini, A., and Tosetti, F. 2014. Glycogen Synthase Kinase 3 Regulates Cell Death and Survival Signaling in Tumor Cells under Redox Stress. *Journal of Neoplasia*. 16 (9):710-22. <https://doi.org/10.1016/j.neo.2014.07.012>
- Venkatakrishna, K., Sudeep, H.V., and Shyamprasad, K. 2021. Acute and Sub-Chronic Toxicity Evaluation of a Standardized Green Coffee Bean Extract (CGA-7TM) in Wistar Albino Rats. *Journal of SAGE Open Medicine*. 9 (205031212098488): 1-12. <https://doi.org/10.1177/2050312120984885>
- Vieira, A.J.S.C., Gaspar, E.M., and Santos, P.M.P. 2020. Mechanisms of potential antioxidant activity of caffeine. *Journal of Radiation Physics and Chemistry*. 174 (108968): 1-6. <https://doi.org/10.1016/j.radphyschem.2020.108968>
- Villalobos-García, D., Ali, H.E.A., Alarabi, A.B., El-Halawany, M.S., Alshbool, F.Z., and Khasawneh, F.T. 2022. Exposure of Mice to Thirdhand Smoke Modulates In Vitro and In Vivo Platelet Responses. *International Journal of Molecular Sciences*. 23 (10): 1-12. <https://doi.org/10.3390/ijms23105595>
- Villota, H., Moreno-Ceballos, M., Santa-González, G.A., Uribe, D., Castañeda, I.C. H., Preciado, L.M., and Pedroza-Díaz, J. 2021. Biological impact of phenolic compounds from coffee on colorectal cancer. *Journal of Pharmaceuticals*. 14 (8): 1–12. <https://doi.org/10.3390/ph14080761>
- Vivero, M., and Padera, R.F. 2015. Histopathology of lung disease in the connective tissue diseases. *Rheumatic Disease Clinics of North America*. 41 (2): 197–211. <https://doi.org/10.1016/j.rdc.2014.12.002>
- Wang, J., Su, B., Zhu, H., Chen, C., and Zhao, G. 2016. Protective effect of geraniol inhibits inflammatory response, oxidative stress and apoptosis in traumatic injury of the spinal cord through modulation of NF- κ b and p38 MAPK. *Journal of Experimental and Therapeutic Medicine*. 12 (6): 3607–3613. <https://doi.org/10.3892/etm.2016.3850>
- Wang, Qiang, X., Wang, W., Peng, M., Zhang, X.Z. 2020. Free Radicals for Cancer Theranostics. *Journal Biomaterials*. 266 (120474): 1-15. <https://doi.org/10.1016/j.biomaterials.2020.120474>
- Wang, Z., Jiang, H., Chen, S., Du, F., and Wang, X. 2012. The Mitochondrial Phosphatase PGAM5 Functions at the Convergence Point of Multiple Necrotic Death Pathways. *Journal Cell*. 148 (1-2): 228-243. <https://doi.org/10.1016/j.cell.2011.11.030>
- Waseem, Shah, and Alvi, S. 2019. Correlation between Anemia and Smoking: Study of Patients Visiting Different Outpatient Departments of Integral Institute of Medical Science and Research, Lucknow. *National Journal of Physiology Pharmacy and Pharmacology*. 10 (2):1-6: <http://dx.doi.org/10.5455/njppp.2019.9.0412805122019>
- Webb, K.L., Dominelli, P.B., Baker, S.E., Klassen, S.A., Joyner, M.J., Senefeld, J.W., and Wiggins, C.C. 2022. Influence of High Hemoglobin-Oxygen Affinity on Humans During Hypoxia. *Journal of Frontiers in Physiology*. 12 (763933): 1–13. <https://doi.org/10.3389/fphys.2021.763933>
- Wen, C., Zhang, J., Zhang, H., Duan, Y., Ma, and Ha. 2020. Plant Protein-Derived Antioxidant Peptides: Isolation, Identification, Mechanism of Action and Application in Food Systems: A Review. *Journal of Trends in Food Science and Technology*. 105:308–22. <https://doi.org/10.1016/j.tifs.2020.09.019>
- West, K.A., Brognard, J., Clark, A.S., Linnoila, I.R., Yang, X., Swain, S.M., Harris, C., Belinsky, S., and Dennis, P.A. 2003. Rapid Akt activation by nicotine

- and a tobacco carcinogen modulates the phenotype of normal human airway epithelial cells. *Journal of Clinical Investigation*. 111 (1): 81–90. <https://doi.org/10.1172/JCI200316147>
- Wieczorek, R., Phillips, G., Czekala, L., Trelles Sticken, E., O'Connell, G., Simms, L., Rudd, K., Stevenson, M., and Walele, T. 2020. A Comparative In Vitro Toxicity Assessment of Electronic Vaping Product E-Liquids and Aerosols With Tobacco Cigarette Smoke. *Journal Toxicology in Vitro*. 66 (104866) : 1-13. <https://doi.org/10.1016/j.tiv.2020.104866>
- Wong-Paz, J.E., Guyot, S., Aguilar-Zárate, P., Muñiz-Márquez, D.B., Contreras-Esquivel, J.C., and Aguilar, C.N. 2020. Structural Characterization of Native and Oxidized Procyanidins (Condensed Tannins) from Coffee Pulp (*Coffea arabica*) Using Phloroglucinolysis and Thioglycolysis-HPLC-ESI-MS. *Food Chemistry. Journal Food and Chemistry*. 340 (127830) : 1-8. <https://doi.org/10.1016/j.foodchem.2020.127830>
- Wongsa, P., Khampa, N., Horadee, S., Chaiwarith, J., and Rattanapanone, N. 2019. Quality and bioactive compounds of blends of Arabica and Robusta spray-dried coffee. *Journal of Food Chemistry*. 283: 579–587. <https://doi.org/10.1016/j.foodchem.2019.01.088>
- Wu, C.W., Yau, T., Fulgar, C.C., Mack, S.M., Revilla, A.M., Kenyon, N.J., and Pinkerton, K.E. 2020. Long-Term Sequelae of Smoking and Cessation in Spontaneously Hypertensive Rats. *Journal of Toxicologic Pathology*. 48 (3): 422-436. <https://doi.org/10.1177/0192623319893312>
- Wu, G., Li, Y., Zhang, L., Zhang, H., Su, J., Guo, L., Xiong, F., Yu, Q., Yang, P., Zhang, S., Cai, J., and Wang, C. 2019. The impact of tobacco smoking on physical activity and metabolism in mice. *International Journal of Molecular Epidemiology and Genetics*. 10 (5): 67–76. ISSN:1948-1756.
- Wu, H., Gu, J., BK, A., Nawaz, M.A., Barrow, C.J., Dunshea, F.R., and Suleria, H.A.R. 2022. Effect of processing on bioaccessibility and bioavailability - of bioactive compounds in coffee beans. *Journal of Food Bioscience*. 46 (101373):1-13. <https://doi.org/10.1016/j.fbio.2021.101373>
- Wu, X., Hussain, M., Syed, S.K., Saadullah, M., Alqahtani, A.M., Alqahtani, T., Aldahish, A., Fatima, M., Shaukat, S., Hussain, L., Jamil, Q., Mukhtar, I., Khan, K. ur R., and Zeng, L.H. 2022. Verapamil attenuates oxidative stress and inflammatory responses in cigarette smoke (CS)-induced murine models of acute lung injury and CSE-stimulated RAW 264.7 macrophages via inhibiting the NF-κB pathway. *Journal of Biomedicine and Pharmacotherapy*. 149 (112783): 1-13. <https://doi.org/10.1016/j.biopha.2022.112783>
- Wu, Ximei, Hussain, M., Syed, S.K., Saadullah, M., Alqahtani, A.M., Alqahtani, T., Aldahish, A., Fatima, M., Shaukat, S., Hussain, L., Jamil, Q., Mukhtar, I., Khan, K.U.R., and Zeng, L.H. 2022. Verapamil Attenuates Oxidative Stress and Inflammatory Responses in Cigarette Smoke (CS)-Induced Murine Models of Acute Lung Injury and CSE-Stimulated RAW 264.7 Macrophages via Inhibiting the NF-KB Pathway. *Journal of Biomedicine and Pharmacotherapy*. 149 (112783): 1-13. doi: <https://doi.org/10.1016/j.biopha.2022.112783>
- Xiong, Wenfei, Ya Li, Yao, Y., Xu, Q., and Wang, L. 2022. Antioxidant Mechanism of a Newly Found Phenolic Compound from Adlay (NDPS) in HepG2 Cells via Nrf2 Signalling. *Journal of Food Chemistry*. 378 (132034): 1-6. doi: <https://doi.org/10.1016/j.foodchem.2021.132034>

- Yahfoufi, N., Alsadi, N., Jambi, M., and Matar, C. 2018. The immunomodulatory and anti-inflammatory role of polyphenols. *Journal of Nutrients* 10 (11): 1–23. <https://doi.org/10.3390/nu10111618>
- Yamaguchi, N.H., 2019. Smoking, immunity, and DNA damage. *Journal of Translational Lung Cancer Research*. 8 (Suppl1): S3–S6. <https://doi.org/10.21037/tlcr.2019.03.02>
- Yamamoto, X. Masayuki, Kensler, T.W., and Motohashi, H., 2018. THE KEAP1-NRF2 SYSTEM: A THIOL-BASED SENSOR-EFFECTOR APPARATUS FOR MAINTAINING REDOX HOMEOSTASIS. *Journal of American Physiological Society*. 98:1169-1203. doi: 10.1152/physrev.00023
- Yamamoto, X. Masayuki, Kensler, T.W., and Motohashi, H. 2018. THE KEAP1-NRF2 SYSTEM: A THIOL-BASED SENSOR-EFFECTOR APPARATUS FOR MAINTAINING REDOX HOMEOSTASIS. *Journal of American Physiological Society*. 98 (3):1169-1203. <https://doi.org/10.1152/physrev.00023.2017>
- Yan, Chaoqun, Zhang, X., Miao, J., Yuan, H., Liu, H., Liang, T., and Li, Q. 2020. Farrerol Directly Targets GSK-3 β to Activate Nrf2-ARE Pathway and Protect EA.Hy926 Cells against Oxidative Stress-Induced Injuries. *Journal of Oxidative Medicine and Cellular Longevity*. 2020 (5967434): 1-17. <https://doi.org/10.1155/2020/5967434>
- Yang, Wei, Burkhardt, B., Fischer, L., Beirrow, M., Bork, N., Wönne, E.C., Wagner, C., Husen, B., Zeilinger, K., Liu, L., and Nussler, A.K. 2015. Age-Dependent Changes of the Antioxidant System in Rat Livers Are Accompanied by Altered Mapk Activation and a Decline in Motor Signaling. *Experimental and Clinical Sciences Journal*. 14:1273–1290. <https://doi.org/10.17179/excli2015-734>
- Yao, J., Peng, S., Xu, J., and Fang, J. 2019. Reversing ROS-mediated neurotoxicity by chlorogenic acid involves its direct antioxidant activity and activation of Nrf2-ARE signaling pathway. *Journal of BioFactors*. 45 (4): 616–626. <https://doi.org/10.1002/biof.1507>
- Yeung, A.W.K., Tzvetkov, N.T., El-Tawil, O.S., Bungău, S.G., Abdel-Daim, M. M., and Atanasov, A.G. 2019. Antioxidants: Scientific Literature Landscape Analysis. *Oxidative Medicine and Cellular Longevity*. (8278454) : 1-11. Doi : <https://doi.org/10.1155/2019/8278454>
- Yoshida, N., Sasaki, K., Kanetaka, K., Kimura, Y., Shibata, T., Ikenoue, M., Nakashima, Y., Sadanaga, N., Eto, K., Tsuruda, Y., Kobayashi, S., Nakanoko, T., Suzuki, K., Takeno, S., Yamamoto, M., Morita, M., Toh, Y., and Baba, H. 2022. High Pretreatment Mean Corpuscular Volume Can Predict Worse Prognosis in Patients With Esophageal Squamous Cell Carcinoma who Have Undergone Curative Esophagectomy. *Annals of Surgery Open*. 3 (2): 1-8. <https://doi.org/10.1097/as9.0000000000000165>
- Young, I.S., and Woodside, J.V. 2001. Antioxidants in Health and Disease. *Journal Of Clinical Pathology*. 54 (3) : 176-186. DOI: [10.1177/204062231986271410.1136/jcp.54.3.176](https://doi.org/10.1177/204062231986271410.1136/jcp.54.3.176)
- Yuan, Yuan, Xiang, J., Zheng, B., Sun, J., Luo, D., Li, P., and Fan, J. 2022. Diversity of Phenolics Including Hydroxycinnamic Acid Amide Derivatives, Phenolic Acids Contribute to Antioxidant Properties of Proso Millet. *Lebensmittel-Wissenschaft & Technologie Food Science and Technology*. 154 (112611) : 1-10. <https://doi.org/10.1016/j.lwt.2021.112611>

- Zareian, P., Genabzadeh Jahromy, Z., and Mozafar, A. 2015. The Effects of Immobilization Stress on Serum Ghrelin Level, Food Intake and Body Weight in Male and Female Rats. *Journal of Archives in Military Medicine*. 3 (2): 4–6. [https://doi.org/10.5812/jamm.3\(2\)2015.27167](https://doi.org/10.5812/jamm.3(2)2015.27167)
- Zazueta, Cecilia, Jimenez-Urbe, A.P., Pedraza-Chaverri, J., and Buelna-Chontal, M. 2022. Genetic Variations on Redox Control in Cardiometabolic Diseases: The Role of Nrf2. *Journal of Antioxidants* 11 (3): 1-20. <https://doi.org/10.3390/antiox11030507>
- Zhang, M., Shi, J., and Jiang, L. 2015. Modulation of mitochondrial membrane integrity and ROS formation by high temperature in *Saccharomyces cerevisiae*. *Electronic Journal of Biotechnology*. 18 (3) : 202–209. <https://doi.org/10.1016/j.ejbt.2015.03.008>
- Zhang, S., Li, X., Xie, F., Liu, K., Liu, H., and Xie, J. 2017. Evaluation of whole cigarette smoke induced oxidative stress in A549 and BEAS–2B cells. *Environmental Toxicology and Pharmacology*. 54 (2): 40–47. <https://doi.org/10.1016/j.etap.2017.06.023>
- Zhang, T., Day, N.J., Gaffrey, M., Weitz, K.K., Attah, K., Mimche, P.N., Paine, R., Qian, W., and Helms, M.N. 2022. Redox Biology Regulation of hyperoxia-induced neonatal lung injury via post-translational cysteine redox modifications. *Redox Biology*. 55 (102405): 1-15. <https://doi.org/10.1016/j.redox.2022.102405>
- Zhang, X., Qiu, J., Huang, F., Han, P., and Shan, K. 2022. Construction and verification of a hypoxia-related nine-gene prognostic model in uveal melanoma based on integrated single-cell and bulk RNA sequencing analyses. *Experimental Eye Research*. 223 (109214): 1-11. <https://doi.org/10.1016/j.exer.2022.109214>
- Zhang, Y., and Xu, C.B. 2020. The roles of endothelin and its receptors in cigarette smoke-associated pulmonary hypertension with chronic lung disease. *Journal Pathology Research and Practice*. 216 (9): 1–6. <https://doi.org/10.1016/j.prp.2020.153083>
- Zhao, J., Jitkaew, S., Cai, Z., Choksi, S., Li, Q., Luo, J., and Liu, Zeng-Gang. 2012. Mixed lineage kinase domain-like is a key receptor interacting protein 3 downstream component of TNF-induced necrosis. *Proceedings of the National Academy of Sciences*. 109 (14): 5322-5327. <https://doi.org/10.1073/pnas.1200012109>
- Zhong, L., Qin, L., Ding, X., Ma, L., Wang, Y., Liu, M., Chen, H., Yan, H., and Song, L. 2022. The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke. *Food Research International*. 157 (111465): 1-15. <https://doi.org/10.1016/j.foodres.2022.111465>
- Zhou, P., Wang, C., Hu, Z., Chen, W., Qi, W., and Li, A., 2017. Genistein induces apoptosis of colon cancer cells by reversal of epithelial-to-mesenchymal via a Notch1/NF-KB/slugg/E-cadherin pathway. *Biomedical Central Cancer*. 17 (1): 1–10. <https://doi.org/10.1186/s12885-017-3829-9>
- Zhu, J., Luz-Madriral, A., Haynes, T., Zavada, J., Burke, A.K., and del Rio-Tsonis, K. 2014. β -catenin inactivation is a pre-requisite for chick retina regeneration. *Journal of PLoS ONE*. 9 (7): 1-13. <https://doi.org/10.1371/journal.pone.0101748>

- Ziad, Shraideh, Al-Awaida, W., and Darwish, B. 2013. Effects of Cigarette Smoking on Histology of Trachea and Lungs of Albino Rat. *Journal Research Opinions Animal and Veterinary Sciences*. 3 (10):356-62. ISSN: 2223-0343.
- Zinellu, A., Paliogiannis, P., Usai, M.F., Carru, C., and Mangoni, A.A. 2019. Effect of Statin Treatment on Circulating Malondialdehyde Concentrations: A Systematic Review and Meta-Analysis. *Journal Therapeutic Advances in Chronic Disease*. 10 : 1-15. <https://doi.org/10.1177/2040622319862714>