

References

- Agarwal, D., Sharma, L., & Saxena, S. (2017). Anti-microbial properties of fennel (*Foeniculum vulgare* Mill.) seed extract. *Journal of Pharmacognosy and Phytochemistry*, 6(4), 479–482. <https://www.phytojournal.com/archives/2017/vol6issue4/PartG/6-3-194-805.pdf>
- Badgujar, S. B., Patel, V. V., & Bandivdekar, A. H. (2014). *Foeniculum vulgare* Mill: a review of its botany, phytochemistry, pharmacology, contemporary application, and toxicology. *BioMed research international*, 2014, 842674. <https://doi.org/10.1155/2014/842674>
- Dzoyem, J. P., Kuete, V., & Eloff, J. N. (2014, January 1). 23 - Biochemical Parameters in Toxicological Studies in Africa: Significance, Principle of Methods, Data Interpretation, and Use in Plant Screenings (V. Kuete, Ed.). ScienceDirect; Elsevier. <https://www.sciencedirect.com/science/article/abs/pii/B9780128000182000236>
- El Hilaly, J., Israili, Z. H., & Lyoussi, B. (2004). Acute and chronic toxicological studies of *Ajuga iva* in experimental animals. *Journal of ethnopharmacology*, 91(1), 43–50. <https://doi.org/10.1016/j.jep.2003.11.009>
- Ezeonwumelu, J. O. C., Julius, A. K., Muohoho, C. N., Ajayi, A. M., Oyewale, A. A., Tanayen, J. K., Balogun, S. O., Ibrahim, A., Adzu, B., Adiukwu, C. P., Oloro, J., Kiplagat, D. M., Goji, A. D. T., Okoruwa, A. G., Onchweri, A. N., & Reddy, P. M. K. (2011). Biochemical and histological studies of aqueous extract of *bidens pilosa* leaves from ugandan rift valley in rats. *British Journal of Pharmacology and Toxicology*, 2(6), 302–309. <https://www.airitilibrary.com/Publication/alDetailedMesh?docid=20442467-201112-201507070016-201507070016-302-309>
- Giannini, E. G., Testa, R., & Savarino, V. (2005). Liver enzyme alteration: a guide for clinicians. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne*, 172(3), 367–379. <https://doi.org/10.1503/cmaj.1040752>

Harchaoui, K. E., Visser, M. E., Kastelein, J. J., Stroes, E. S., & Dallinga-Thie, G. M. (2009). Triglycerides and cardiovascular risk. *Current cardiology reviews*, 5(3), 216–222.
<https://doi.org/10.2174/157340309788970315>

Heimann, M., Roth, D. R., Ledieu, D., Pfister, R., & Classen, W. (2010). Sublingual and submandibular blood collection in mice: a comparison of effects on body weight, food consumption and tissue damage. *Laboratory Animals*, 44(4), 352–358. <https://doi.org/10.1258/la.2010.010011>

Huang, X. J., Choi, Y. K., Im, H. S., Yarimaga, O., Yoon, E., & Kim, H. S. (2006). Aspartate Aminotransferase (AST/GOT) and Alanine Aminotransferase (ALT/GPT) Detection Techniques. *Sensors (Basel, Switzerland)*, 6(7), 756–782.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3894536/>

Jiang, Z. G., Tsugawa, Y., Tapper, E. B., Lai, M., Afdhal, N., Robson, S. C., & Mukamal, K. J. (2015). Low-fasting triglyceride levels are associated with non-invasive markers of advanced liver fibrosis among adults in the United States. *Alimentary pharmacology & therapeutics*, 42(1), 106–116. <https://doi.org/10.1111/apt.13216>

Korinek, M., Handoussa, H., Tsai, Y. H., Chen, Y. Y., Chen, M. H., Chiou, Z. W., Fang, Y., Chang, F. R., Yen, C. H., Hsieh, C. F., Chen, B. H., El-Shazly, M., & Hwang, T. L. (2021). Anti-Inflammatory and antimicrobial volatile oils: Fennel and cumin inhibit neutrophilic inflammation via regulating calcium and MAPKs. *Frontiers in Pharmacology*, 12, 674095.
<https://doi.org/10.3389/fphar.2021.674095>

LABline. (2021, May 19). *Link between blood sugar and liver disease progression*. Medical Laboratory Observer.

<https://www.mlo-online.com/diagnostics/hematology/article/21223320/link-between-blood-sugar-and-liver-disease-progression>

Lehr, K.-H. (2011). Toxicokinetics and safety ratios. *Springer EBooks*, 245–249.
https://doi.org/10.1007/978-3-540-89891-7_21

- Mathew, T. K., Zubair, M., & Tadi, P. (2023). *Blood glucose monitoring*. StatPearls [Internet]; Treasure Island (FL): StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK555976/>
- Morgan, K. K. (2023, July 15). *High cholesterol and liver disease*. WebMD. <https://www.webmd.com/cholesterol-management/cholesterol-liver-disease>
- National Kidney Foundation. (2023, July 21). *Creatinine*. National Kidney Foundation. <https://www.kidney.org/atoz/content/serum-blood-creatinine>
- Olayode, O. A., Daniyan, M. O., & Olayiwola, G. (2019). Biochemical, hematological and histopathological evaluation of the toxicity potential of the leaf extract of *Stachytarpheta cayennensis* in rats. *Journal of traditional and complementary medicine*, 10(6), 544–554. <https://doi.org/10.1016/j.jtcme.2019.05.001>
- Organization for Economic Cooperation and Development (OECD). (2018). Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents, OECD Guidelines for the Testing of Chemicals, Section 4, OECD Publishing, Paris, <https://doi.org/10.1787/9789264070707-en>.
- Orhan, İ. E., Özçelik, B., Kartal, M., & Kan, Y. (2012). Antimicrobial and antiviral effects of essential oils from selected Umbelliferae and Labiate plants and individual essential oil components. *Turkish Journal of Biology*, 36(3), 239–246. <https://doi.org/10.3906/biy-0912-30>
- Pacifico, S., Galasso, S., Piccolella, S., Kretschmer, N., Pan, S.-P., Nocera, P., Lettieri, A., Bauer, R., & Monaco, P. (2018). Winter wild fennel leaves as a source of anti-inflammatory and antioxidant polyphenols. *Arabian Journal of Chemistry*, 11(4), 513–524. <https://doi.org/10.1016/j.arabjc.2015.06.026>
- Park, S. J., Kim, S. D., Kwag, E. B., Park, J. H., & Yoo, H. S. (2021). Acute and Subchronic Toxicological Evaluation of the Herbal Product HAD-B1 in Rats. *Evidence-based complementary and alternative medicine : eCAM*, 2021, 9970822. <https://doi.org/10.1155/2021/9970822>
- Peters, S. A., Singhateh, Y., Mackay, D., Huxley, R. R., & Woodward, M. (2016). Total cholesterol as a risk factor for coronary heart disease and stroke in women compared with men: A systematic

review and meta-analysis. *Atherosclerosis*, 248, 123–131.

<https://doi.org/10.1016/j.atherosclerosis.2016.03.016>

Rather, M. A., Dar, B. A., Sofi, S. N., Bhat, B. A., & Qurishi, M. A. (2016). *Foeniculum vulgare*: A comprehensive review of its traditional use, phytochemistry, pharmacology, and safety. *Arabian Journal of Chemistry*, 9(2), S1574–S1583.

<https://doi.org/10.1016/j.arabjc.2012.04.011>

Röder, P. V., Wu, B., Liu, Y., & Han, W. (2016). Pancreatic regulation of glucose homeostasis. *Experimental & molecular medicine*, 48(3), e219. <https://doi.org/10.1038/emm.2016.6>

Salasanti, C. D., Sukandar, E. Y., & Fidrianny, I. (2014). Acute and subchronic toxicity study of ethanol extract of *Anredera cordifolia* (ten.) v. steenis leaves. *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(5).

<https://innovareacademics.in/journal/ijpps/Vol6Issue5/9335.pdf>

Sher, Y. and Hung, M. (2013). Blood AST, ALT and UREA/BUN Level Analysis. *Bio-protocol* 3(19): e931. DOI: 10.21769/BioProtoc.931.

Silva-Santana, G., Bax, J. C., Fernandes, D. C. S., Bacellar, D. T. L., Hooper, C., Dias, A. A. S. O., Silva, C. B., Souza, A. M., Ramos, S., Santos, R. A., Pinto, T. R., Ramão, M. A., & Mattos-Guaraldi, A. L. (2020). Clinical hematological and biochemical parameters in Swiss, BALB/c, C57BL/6 and B6D2F1 *Mus musculus*. *Animal Models and Experimental Medicine*, 3(4), 304–315.

<https://doi.org/10.1002/ame2.12139>

Sumarli, A. J. (2023). *Biochemical analysis on the subchronic toxicity study of *F.vulgare* extract in vivo*. Unpublished manuscript.

Tomizawa, M., Kawanabe, Y., Shinozaki, F., Sato, S., Motoyoshi, Y., Sugiyama, T., Yamamoto, S., & Sueishi, M. (2014). Triglyceride is strongly associated with nonalcoholic fatty liver disease among markers of hyperlipidemia and diabetes. *Biomedical reports*, 2(5), 633–636.

<https://doi.org/10.3892/br.2014.309>

UCSF. (2022). Submandibular Blood Collection in Mice IACUC Standard Procedure.
<https://iacuc.ucsf.edu/sites/g/files/tkssra751/f/wysiwyg/STD%20PROCEDURE%20-%20Misc%20Rodent%20Procedures%20-%20SubMandibular%20Blood%20Collection%20Mice.pdf>

Wang, P., Wang, Y., Liu, H., Han, X., Yi, Y., Wang, X., & Li, X. (2022). Role of triglycerides as a predictor of autoimmune hepatitis with cirrhosis. *Lipids in Health and Disease*, 21(108).
<https://doi.org/10.1186/s12944-022-01716-9>

Wong, R. S. Y. (2021). Inflammation in COVID-19: from pathogenesis to treatment. *International journal of clinical and experimental pathology*, 14(7), 831–844.