

DAFTAR PUSTAKA

- Aboismaiel, M.G., Amin, M.N. and Eissa, L.A., 2024. Renoprotective effect of a novel combination of 6-gingerol and metformin in high-fat diet/streptozotosin-induced diabetic nephropathy in rats via targeting miRNA-146a, miRNA-223, TLR4/TRAF6/NLRP3 inflammasome pathway and HIF-1 α . *Biological Research* 57 (47): 1–25. <https://doi.org/10.1186/s40659-024-00527-9>
- Asdaq, S.M.B., Mannasaheb, B.A., Orfali, R., Shaikh, I.A., Alshehri, A., Alghamdi, A., Alrashdi, M.M., Almadani, M.E. and Abdalla, F.M.A., 2024. Antidiabetic and antioxidant potential of crocin in high-fat diet plus streptozotosin-induced type-2 diabetic rats. *International Journal of Immunopathology and Pharmacology* 38. <https://doi.org/10.1177/03946320231220178>
- Aziz, W.M., Ahmed, S.A., Shaker, S.E., Fayed, D.B., Metwally, N.S. and Shawky, H., 2024. *Portulaca oleracea* L seed extracts counteract diabetic nephropathy through SDF-1/IL10/PPAR γ -mediated tuning of keap1/Nrf2 and NF- κ B transcription in sprague dawley rats. *Diabetology and Metabolic Syndrome* 16 (119): 1–16. <https://doi.org/10.1186/s13098-024-01330-y>
- Borges, P.H.O., Pedreiro, S., Baptista, S.J., Geraldese, C.F.G.C., Batista, M.T., Silva, M.M.C. and Figueirinha, A., 2021. Inhibition of α -glucosidase by flavonoids of *Cymbopogon citratus* (DC) Stapf. *Journal of Ethnopharmacology* 280: 114470. <https://doi.org/10.1016/j.jep.2021.114470>
- Bui, M.P., Nguyen, T.Q.T., Quach, S.C.T., Vo, T.N.H., Do, K.M., Ton, L.H.N. and Nguyen, H.M., 2025. Three polyphenols isolated from *Ochna integerrima* flowers and their inhibitory effects on nitric oxide synthesis. *Current Bioactive Compounds* 22 (1): 1–14. <https://doi.org/10.2174/0115734072375932250410095024>
- Buranasudja, V., Kobtrakul, K., Vimolmangkang, S., Binalee, A., Sanookpan, K., Vu, T., Vu Huynh, K.L., Le, B., Nguyen, H.T., Do, K.M., Dang, V.S. and Nguyen, H.M., 2022. Some antioxidant properties of components from the flower of *Ochna integerrima* and their beneficial effects on HaCaT keratinocytes and in silico analysis on tyrosinase. *Chemistry & Biodiversity* 19 (4): e202100882. <https://doi.org/10.1002/cbdv.202100882>
- Djabir, Y.Y., Hardi, H., Setiawati, H., Lallo, S., Yulianty, R., Cangara, M.H. and Hadju, V., 2021. *Artocarpus altilis* leaf extract protects pancreatic islets and improves glycemic control in alloxan-induced diabetic rats. *Journal of Reports in Pharmaceutical Sciences* 10 (1): e147094. https://doi.org/10.4103/jrptps.JRPTPS_57_20
- Firouzeh, G., Susan, A. and Zeinab, K., 2024. Quercetin prevents rats from type 1 diabetic liver damage by inhibiting TGF- β /Apelin gene expression. *Current Research in Pharmacology and Drug Discovery* 7: 100201. <https://doi.org/10.1016/j.crphar.2024.100201>
- Gabriel, N.P.L., Phuc, B.M., Nhi, N.N.H., Huong, T.N.L. and Nguyen, H.M., 2025. α -amylase and α -glucosidase inhibitory activities of the flower extracts from *Ochna*

integerrima. Tạp chí Dược liệu 30 (2): 125–131. <https://doi.org/10.63240/jmm-nimm.2025.2.116>

- Ghasemi, A. and Jeddi, S., 2023. Streptozotosin as a tool for induction of rat models diabetes: A practical guide. *EXCLI Journal* 22: 274-294. <https://doi.org/10.17179/excli2022-5720>
- Huỳnh, T.T.Đ., Trần, T.T., Phùng, K.N., Nguyễn, Ý.N., Nguyễn, H.P. and Tôn, N.L.H., 2022. Biological activity investigation of a flavonoid glucoside isolated from ethyl acetate extract of *Ochna integerrima*. *Can Tho University Journal of Science* 58: 128–137. <https://doi.org/10.22144/ctu.jvn.2022.129>
- Joumaa, J.P., Raffoul, A., Sarkis, C., Chatrieh, E., Zaidan, S., Attieh, P., Harb, F., Azar, S. and Ghadieh, H.E., 2025. Mechanisms, biomarkers, and treatment approaches for diabetic kidney disease: Current insights and future perspectives. *Journal of Clinical Medicine* 14 (3): 727. <https://doi.org/10.3390/jcm14030727>
- Kunina, H., Franzén, S. and Kjellsson, M.C., 2025. Modeling of disease progression of type 2 diabetes using real-world data: Quantifying competing risks of morbidity and mortality. *CPT: Pharmacometrics & Systems Pharmacology* 14 (3): 606-615. <https://doi.org/10.1002/psp4.13301>
- Li, Z., Zhou, L., Wu, Y., Ding, T., Gan, Y. and Fan, X., 2025. Associations of healthy lifestyle and family income to poverty ratio with all-cause mortality among people with prediabetes and diabetes: A prospective cohort study. *BMC Public Health* 25 (24). <https://doi.org/10.1186/s12889-024-21206-0>
- Lv, R., Liu, J., Li, S., Gong, D., Wang, L., Yuan, X., Chen, X. and Li, Y., 2025. Discovery of vitexin, isovitexin and catechin as hypoglycemic factors in mung bean via metabolomics combined with in vitro experiments. *Food Production, Processing and Nutrition* 7 (1): 41. <https://doi.org/10.1186/s43014-025-00318-z>
- Mazzocco, Y.L., Bergero, G., Del Rosso, S., Cejas Gallardo, Z.M., Canalis, A.M., Baigorri, R.E., Mezzano, L., Mladin, J.J., Díaz-Gerevini, G.T., Martínez Benavidez, C., Cano, R.C. and Aoki, M.P., 2025. A novel mouse model for studying complications related to type 2 diabetes using a medium-fat diet, fructose, and streptozotosin. *Scientific Reports* 15: 20861. <https://doi.org/10.1038/s41598-025-04335-3>
- Mello, T.C., Dias, D.S., Bernardes, N., Araujo, A.A., dos Santos, C.P., Llesuy, S., De Angelis, K. and Stoyell-Conti, F.F., 2025. *Ilex guayusa* tea improves glycaemia and autonomic modulation in female streptozotosin-induced diabetic rats. *Pharmaceuticals* 18 (3): 316. <https://doi.org/10.3390/ph18030316>
- Miao, L., Zhang, H., Cheong, M.S., Zhong, R., Garcia-Oliveira, P., Prieto, M.A., Cheng, K., Wang, M., Cao, H., Nie, S., Simal-Gandara, J., Cheang, W.S. and Xiao, J., 2023. Anti-diabetic potential of apigenin, luteolin, and baicalein via partially activating PI3K/Akt/GLUT-4 signaling pathways in insulin-resistant HepG2 cells. *Food Science and Human Wellness* 12 (6): 1991–2000. <https://doi.org/10.1016/j.fshw.2023.03.021>

- Mestry, S.N., Dhodi, J.B., Kumbhar, S.B. and Juvekar, A.R., 2017. Attenuation of diabetic nephropathy in streptozotocin-induced diabetic rats by *Punica granatum* Linn. leaves extract. *Journal of Traditional and Complementary Medicine* 7 (3): 273–280. <https://doi.org/10.1016/j.jtcme.2016.06.008>
- Nair, A. and Jacob, S., 2016. A simple practice guide for dose conversion between animals and human. *Journal of Basic and Clinical Pharmacy* 7 (2): 27-31. <https://doi.org/10.4103/0976-0105.177703>
- Nguyen, H.M., Nguyen, K.P., Le, A.T.P., Nguyen, N.H.T., Vu-Huynh, L.K., Le, C.K.T., Acharige, A.D., Hull, K. and Romo, D., 2025. Antioxidant, anti-tyrosinase, hepatoprotective, and anti-inflammatory potential in flowers and seeds of *Ochna integerrima*. *Natural Product Research* 39 (22): 6515–6525. <https://doi.org/10.1080/14786419.2024.2378195>
- Nguyen, K.C., Pham, D.M., Phan, V.H., Bui, T.M., Le, H.T. and Kiet, N.C., 2024. Effects of plant growth regulators on in vitro callus formation and shoot multiplication from leaves of *Ochna integerrima*. *The Journal of Agriculture and Development* 23 (6): 1-12. <https://doi.org/10.52997/jad.6.01.2024>
- Omiyale, B.O., Ekundayo, B.E., Mathenjwa-Goqo, M.S., Ajiboye, B.O. and Oyinloye, B.E., 2025. Protective effect of phenolic-rich extract of *Annona muricata* Linn leaf on renal oxidative stress and inflammation in streptozotocin-induced diabetes in rats. *Scientific African* 27: e02515. <https://doi.org/10.1016/j.sciaf.2024.e02515>
- Pointeau, O., Barbosa, R., Lorient, M., Leemput, J., Dubus, E., Causse, S.Z., Demizieux, L., Passilly-Degrace, P., Degrace, P., Vergès, B. and Jourdan, T., 2025. A simplified and robust model for the study of diabetic nephropathy: Streptozotocin-induced diabetic mice fed a high-protein diet. *International Journal of Molecular Sciences* 26 (6): 2477. <https://doi.org/10.3390/ijms26062477>
- Rauf, A., Imran, M., Abu-Izneid, T., Ihtisham-UI-Haq, Patel, S., Pan, X., Naz, S., Sanches Silva, A., Saeed, F. and Rasul Suleria, H.A., 2019. Proanthocyanidins: A comprehensive review. *Biomedicine & Pharmacotherapy* 116: 108999. <https://doi.org/10.1016/j.biopha.2019.108999>
- Sahakyan, G., Vejux, A. and Sahakyan, N., 2022. The role of oxidative stress-mediated inflammation in the development of T2DM-induced diabetic nephropathy: Possible preventive action of tannins and other oligomeric polyphenols. *Molecules* 27 (4): 9035. <https://doi.org/10.3390/molecules27249035>
- Samsulrizal, N., Zin, N.S.N.M., Syimal'ain Azmi, N., Bakar, M.D., Ahmad, H. and Goh, Y.M., 2025. *Ficus deltoidea* standardized methanolic extract improves kidney structure and function against streptozotocin-induced diabetic nephropathy in rats. *Phytomedicine Plus* 5 (1): 100684. <https://doi.org/10.1016/j.phyplu.2024.100684>
- Stephen, N., Odoma, S., Salihu, T.S., Joshua, A.O. and Timothy, N., 2025. Hypoglycemic and hypolipidemic effects of *Leonotis mollissima* aqueous leaf extract in type 2 diabetic rats. *Journal of Experimental Pharmacology* 17: 625–637. <https://doi.org/10.2147/JEP.S532507>

- Szablewski, L., 2025. Associations between diabetes mellitus and neurodegenerative diseases. *International Journal of Molecular Sciences* 26 (2): 542. <https://doi.org/10.3390/ijms26020542>
- Talbot, S.R., Heider, M., Wirth, M., Jörns, A. and Naujok, O., 2024. Exploring dose-response variability and relative severity assessment in STZ-induced diabetes male NSG mice. *Scientific Reports* 14: 16559. <https://doi.org/10.1038/s41598-024-67490-z>
- Thiekar, A.K., Thomas, A.B. and Chitlange, S.S., 2025. An in vivo herb-drug interaction study of IME-9 and glimepiride in nicotinamide-STZ-induced diabetic rats. *Phytomedicine Plus* 5 (2): 100751. <https://doi.org/10.1016/j.phyplu.2025.100751>
- Tozcu, D., Özer, Ç., Babül, A., Ercan, S., Dileköz, E., Kaplanoğlu, G.T. and Göktaş, G., 2025. Effects of resveratrol on the kidney in rats with streptozotocin-induced diabetic nephropathy. *Gazi Medical Journal* 36 (1): 96–104. <https://doi.org/10.12996/gmj.2024.4232>
- Tully, P.J., Schutte, N., Guppy, M.P.B., Garatva, P., Wittert, G. and Baumeister, H., 2025. Psychological interventions for depression in people with diabetes mellitus. *Cochrane Database of Systematic Reviews*. <https://doi.org/10.1002/14651858.CD016005>
- Wahono, A.M., Harnanik, T., Pasaribu, I.A., Adiwinto, R.P. and Octavianda, Y., 2023. Laboratory and clinical findings in mouse models of diabetic nephropathy induced with streptozotocin. *BMC Endocrine Disorders* 23: 254. <https://doi.org/10.1186/s12902-023-01504-1>
- Wu, T., Ding, L., Andoh, V., Zhang, J. and Chen, L., 2023. The mechanism of hyperglycemia-induced renal cell injury in diabetic nephropathy disease: An update. *Life* 13 (2): 539. <https://doi.org/10.3390/life13020539>
- Zahra, M., Abrahamse, H. and George, B.P., 2024. Flavonoids: antioxidant powerhouses and their role in nanomedicine. *Antioxidants* 13 (8): 922. <https://doi.org/10.3390/antiox13080922>
- Zeng, J.Y., Wang, Y., Hong, F.Y., Miao, M., Jiang, Y.Y., Qiao, Z.X., Wang, Y.T. and Bao, X.R., 2024. Tanshinone IIA is superior to paricalcitol in ameliorating tubulointerstitial fibrosis through regulation of VDR/Wnt/ β -catenin pathway in rats with diabetic nephropathy. *Naunyn-Schmiedeberg's Archives of Pharmacology* 397: 3959–3977. <https://doi.org/10.1007/s00210-023-02853-3>