

## REFERENCES

- Bansal, N. (2015). Prediabetes diagnosis and treatment: A review. *World Journal of Diabetes*, 6(2), 296.  
<https://doi.org/10.4239/wjd.v6.i2.296>
- Bolívar, S., Anfossi, R., Humeres, C., Vivar, R., Boza, P., Muñoz, C., Pardo-Jimenez, V., Olivares-Silva, F., & Díaz-Araya, G. (2018). IFN- $\beta$  Plays Both Pro- and Anti-inflammatory Roles in the Rat Cardiac Fibroblast Through Differential STAT Protein Activation. *Frontiers in Pharmacology*, 9.

<https://doi.org/10.3389/fphar.2018.01368>

- Clayton, W., & Elasy, T. A. (2009). A Review of the Pathophysiology, Classification, and Treatment of Foot Ulcers in Diabetic Patients. *Clinical Diabetes*, 27(2), 52–58. <https://doi.org/10.2337/diaclin.27.2.52>
- Erdogan, S. S., Gur, T. F., Terzi, N. K., & Dogan, B. (2021). Evaluation of the cutaneous wound healing potential of tamanu oil in wounds induced in rats. *Journal of Wound Care*, 30(Sup9a), Vi–Vx. <https://doi.org/10.12968/jowc.2021.30.sup9a.v>
- Esa, F., Tasirin, S. M., & Rahman, N. A. (2014). Overview of Bacterial Cellulose Production and Application. *Agriculture and Agricultural Science Procedia*, 2, 113–119. <https://doi.org/10.1016/j.aaspro.2014.11.017>
- Everett, E., & Mathioudakis, N. (2018). Update on management of diabetic foot ulcers. *Annals of the New York Academy of Sciences*, 1411(1), 153–165. <https://doi.org/10.1111/nyas.13569>
- Fernández, J., Morena, A. G., Valenzuela, S. V., Pastor, F. I. J., Díaz, P., & Martínez, J. (2019). Microbial Cellulose from a Komagataeibacter intermedius Strain Isolated from Commercial Wine Vinegar. *Journal of Polymers and the Environment*, 27(5), 956–967. <https://doi.org/10.1007/s10924-019-01403-4>
- Gomes, R. J., Borges, M. D. F., Rosa, M. D. F., Castro-Gómez, R. J. H., & Spinosa, W. A. (2018). Acetic Acid Bacteria in the Food Industry: Systematics, Characteristics and Applications. *Food Technology and Biotechnology*, 56(2). <https://doi.org/10.17113/ftb.56.02.18.5593>
- Gonzalez, A. C. D. O., Costa, T. F., Andrade, Z. D. A., & Medrado, A. R. A. P. (2016). Wound healing - A literature review. *Anais Brasileiros de Dermatologia*, 91(5), 614–620. <https://doi.org/10.1590/abd1806-4841.20164741>
- Gubara Musa, H., & E. Ahmed, M. (2012). Associated risk factors and management of chronic diabetic foot ulcers exceeding 6 months' duration. *Diabetic Foot & Ankle*, 3(1), 18980. <https://doi.org/10.3402/dfa.v3i0.18980>
- Guo, S., & DiPietro, L. (2010). Factors Affecting Wound Healing. *Journal of Dental Research*, 89(3), 219–229. <https://doi.org/10.1177/0022034509359125>
- HAMIM, ROMADLON, Z., & DORLY. (2019). Perkembangan Morfo-anatomi Bunga, Buah, dan Biji Nyamplung (*Calophyllum inophyllum* L), Sebagai Tanaman Penghasil Biodisel. *Jurnal Sumberdaya Hayati*, 5(1), 1–10. <https://doi.org/10.29244/jsdh.5.1.1-10>
- Heher, P., Mühleder, S., Mittermayr, R., Redl, H., & Slezak, P. (2018). Fibrin-based delivery strategies for acute and chronic wound healing. *Advanced Drug Delivery Reviews*, 129, 134–147. <https://doi.org/10.1016/j.addr.2017.12.007>

- Holy, L. (2021). Tamanu - The Magical Deep Green Oil. Retrieved 23 September 2021, from <https://inesscents.com/blog/tamanu-the-magical-deep-green-oil/>
- Huang, Y., Zhu, C., Yang, J., Nie, Y., Chen, C., & Sun, D. (2013). Recent advances in bacterial cellulose. *Cellulose*, 21(1), 1–30. <https://doi.org/10.1007/s10570-013-0088-z>
- Li, J., Chen, J., & Kirsner, R. (2007). Pathophysiology of acute wound healing. *Clinics in Dermatology*, 25(1), 9–18. <https://doi.org/10.1016/j.clindermatol.2006.09.007>
- Kawasaki, E. (2014). Type 1 Diabetes and Autoimmunity. *Clinical Pediatric Endocrinology*, 23(4), 99–105. <https://doi.org/10.1297/cpe.23.99>
- Léguillier, T., Lecsö-Bornet, M., Lémus, C., Rousseau-Ralliard, D., Lebouvier, N., & Hnawia, E. et al. (2015). The Wound Healing and Antibacterial Activity of Five Ethnomedical Calophyllum inophyllum Oils: An Alternative Therapeutic Strategy to Treat Infected Wounds. *PLOS ONE*, 10(9), e0138602. doi: 10.1371/journal.pone.0138602
- Moraes, P., Saska, S., Barud, H., Lima, L., Martins, V., & Plepis, A. et al. (2016). Bacterial Cellulose/Collagen Hydrogel for Wound Healing. *Materials Research*, 19(1), 106-116. doi: 10.1590/1980-5373-mr-2015-0249
- Oliver TI, Mutluoglu M. Diabetic Foot Ulcer. [Updated 2021 Aug 19]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK537328/>
- Portela, R., Leal, C., Almeida, P., & Sobral, R. (2019). Bacterial cellulose: a versatile biopolymer for wound dressing applications. *Microbial Biotechnology*, 12(4), 586-610. doi: 10.1111/1751-7915.13392
- Raharivelomanana, P., Ansel, J., Lupo, E., Mijouin, L., Guillot, S., & Butaud, J. et al. (2018). Tamanu oil and skin active properties: from traditional to modern cosmetic uses. *OCL*, 25(5), D504. doi: 10.1051/ocl/2018048
- Sapra, A., & Bhandari, P. (2021). Diabetes Mellitus. Retrieved 21 September 2021, from <https://www.ncbi.nlm.nih.gov/books/NBK551501/>
- Serra, M. B., Barroso, W. A., Silva, N. N. da, Silva, S. do N., Borges, A. C. R., Abreu, I. C., & Borges, M.O. da R. (2017). From Inflammation to Current and Alternative Therapies Involved in Wound Healing. *International Journal of Inflammation*, 2017. <https://doi.org/10.1155/2017/3406215>
- Symptoms & Causes of Diabetes*. (2021, December 2). National Institute of Diabetes and Digestive and Kidney Diseases. <https://www.niddk.nih.gov/health-information/diabetes/overview/symptoms-cause>
- Tabák, A. G., Herder, C., Rathmann, W., Brunner, E. J., & Kivimäki, M. (2012). Prediabetes: a high-risk state for diabetes development. *The Lancet*, 379(9833), 2279–2290.

[https://doi.org/10.1016/s0140-6736\(12\)60283-9](https://doi.org/10.1016/s0140-6736(12)60283-9)

- Tottoli, E. M., Dorati, R., Genta, I., Chiesa, E., Pisani, S., & Conti, B. (2020). Skin Wound Healing Process and New Emerging Technologies for Skin Wound Care and Regeneration. *Pharmaceutics*, 12(8), 735. <https://doi.org/10.3390/pharmaceutics12080735>
- Tran, G. B., Le, N. T. T., & Dam, S. M. (2018). Potential Use of Essential Oil Isolated from *Cleistocalyx operculatus* Leaves as a Topical Dermatological Agent for Treatment of Burn Wound. *Dermatology Research and Practice*, 2018, 1–8. <https://doi.org/10.1155/2018/2730169>
- Voon, W. W. Y., Muhiadin, B. J., Yusof, N. L., Rukayadi, Y., & Meor Hussin, A. S. (2018). Bio-cellulose Production by *Beijerinckia fluminensis* WAUPM53 and *Gluconacetobacter xylinus* 0416 in Sago By-product Medium. *Applied Biochemistry and Biotechnology*, 187(1), 211–220. <https://doi.org/10.1007/s12010-018-2807-2>
- Zhang, K., Feng, W., & Jin, C. (2020). Protocol efficiently measuring the swelling rate of hydrogels. *MethodsX*, 7, 100779. <https://doi.org/10.1016/j.mex.2019.100779>
- Zheng, L., Li, S., Luo, J., & Wang, X. (2020). Latest Advances on Bacterial Cellulose-Based Antibacterial Materials as Wound Dressings. *Frontiers In Bioengineering And Biotechnology*, 8. doi: 10.3389/fbioe.2020.593768