

REFERENCES

- Abbaszadeh, B., Aliabadi Farahani, H., Alireza Valadabadi, S., & Moaveni, P. (2009). Investigation of variations of the morphological values and flowering shoot yield in different mint species at Iran. *Journal of Horticulture and Forestry*, 1(7), 109–112.
- Allocati, N., Masulli, M., Alexeyev, M. F., & Ilio, C. Di. (2013). Escherichia coli in Europe: An overview, 6235–6254. <https://doi.org/10.3390/ijerph10126235>
- Amrita Aromatherapy Inc. (n.d.). Organic cornmint essential oil. Retrieved June 11, 2018, from <https://www.amrita.net/essential-oils-for-nausea/cornmint-organic.html>
- Azwanida, N. N. (2015). A Review on the extraction methods use in medicinal plants, principle, strength, and limitation. *Medicinal & Aromatic Plants*, 04(03), 3–8. <https://doi.org/10.4172/2167-0412.1000196>
- Bachir, G., & Abouni, B. (2015). Escherichia coli and Staphylococcus aureus most common source of infection. *The Battle Against Microbial Pathogens: Basic Science*, 2, 637–648.
- Bährle-Rapp, M. (2007). Extraction methods of natural essential oils. *Springer Lexikon Kosmetik Und Körperpflege*, 366–366. https://doi.org/10.1007/978-3-540-71095-0_6790
- Barnhill, A. E., Brewer, M. T., & Carlson, S. A. (2012). Adverse effects of antimicrobials via predictable or idiosyncratic inhibition of host mitochondrial components. *Antimicrobial Agents and Chemotherapy*, 56(8), 4046–4051. <https://doi.org/10.1128/AAC.00678-12>
- Bhatia, S., Sharma, K., Dahiya, R., Bera, T., & Bhatia, S. (2015). *Application of plant biotechnology. Modern Applications of Plant Biotechnology in Pharmaceutical Sciences*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-802221-4.00005-4>
- Biswas, N. N., Saha, S., & Ali, M. K. A. (2014). Antioxidant, antimicrobial, cytotoxic and analgesic activities of ethanolic extract of Mentha arvensis L. *Asian Pacific Journal of Tropical Medicine*, 4(10), 792–797. <https://doi.org/10.12980/APJTB.4.2014C1298>
- Bokhari, N., Perveen, K., Al Khulaifi, M., Kumar, A., & Siddiqui, I. (2016). In Vitro antibacterial activity and chemical composition of essential oil of Mentha arvensis Linn. leaves. *Journal of Essential*

- Oil Bearing Plants*, 19(4), 907–915. <https://doi.org/10.1080/0972060X.2016.1184993>
- Chandel, N. S., & Budinger, G. R. S. (2013). The good and the bad of antibiotics. *Science Translational Medicine*, 5(192). <https://doi.org/10.1126/scitranslmed.3006567>.The
- Coker, R. J., Hunter, B. M., Rudge, J. W., Liverani, M., & Hanvoravongchai, P. (2011). Emerging infectious diseases in Southeast Asia: Regional challenges to control. *The Lancet*, 377(9765), 599–609. [https://doi.org/10.1016/S0140-6736\(10\)62004-1](https://doi.org/10.1016/S0140-6736(10)62004-1)
- Davis, M. A., Sischo, W. M., Jones, L. P., Moore, D. A., Ahmed, S., Short, D. M., & Besser, T. E. (2015). Recent emergence of escherichia coli with cephalosporin resistance conferred by bla CTX-M on Washington State dairy farms. *Applied and Environmental Microbiology*, 81(13), 4403–4410. <https://doi.org/10.1128/AEM.00463-15>
- Dye, C. (2014). After 2015: Infectious diseases in a new era of health and development. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences*, 369(1645), 20130426. <https://doi.org/10.1098/rstb.2013.0426>
- Elsharif, S. A. (2017). *Structure odour relationship study of acyclic monoterpene alcohols, their acetates and synthesized oxygenated derivatives*. Friedrich-Alexander University.
- Franz, C., & Novak, J. (2010). Sources of essential oils. In K. H. C. Baser & G. Buchbauer (Eds.), *Handbook of Essential Oils: Science, Technology, and Applications* (pp. 39–82). Boca Raton: CRC Press/Taylor & Francis Group.
- Gende, L. B., Mendiara, S., Fernández, N. J., Van Baren, C., Di Lio Lira, A., Bandoni, A., ... Eguaras, M. (2014). Essentials oils of some *Mentha* spp. and their relation with antimicrobial activity against *Paenibacillus* larvae, the causative agent of American foulbrood in honey bees, by using the bioautography technique. *Bulletin of Insectology*, 67(1), 13–20.
- Hennekinne, J., Buysse, M. De, & Dragacci, S. (2018). Staphylococcus aureus and its food poisoning toxins: characterization and outbreak investigation, 36, 815–836. <https://doi.org/10.1111/j.1574-6976.2011.00311.x>
- Johnson, M., Wesely, E. G., Kavitha, M. S., & Uma, V. (2011). Antibacterial activity of leaves and inter-

- nodal callus extracts of *Mentha arvensis* L. *Asian Pacific Journal of Tropical Medicine*, 4(3), 196–200. [https://doi.org/10.1016/S1995-7645\(11\)60068-0](https://doi.org/10.1016/S1995-7645(11)60068-0)
- Kamatou, G. P. P., Vermaak, I., Viljoen, A. M., & Lawrence, B. M. (2013). Menthol: A simple monoterpene with remarkable biological properties. *Phytochemistry*, 96, 15–25. <https://doi.org/10.1016/j.phytochem.2013.08.005>
- Kapp, K. (2015). *Polyphenolic and essential oil composition of Mentha and their antimicrobial effect*. University of Helsinki.
- Kayalvizhi, V., & Antony, U. (2011). Microbial and physico-chemical changes in tomato juice subjected to pulsed electric field treatment. *African Journal of Agricultural Research*, 6(30), 6348–6353. <https://doi.org/10.5897/A>
- Khoddami, A., Wilkes, M. A., & Roberts, T. H. (2013). Techniques for analysis of plant phenolic compounds. *Molecules*, 18(2), 2328–2375. <https://doi.org/10.3390/molecules18022328>
- Koller, D. (2011). *The Restless Plant*. Cambridge: Harvard University Press. Retrieved from https://books.google.co.id/books/about/The_Restless_Plant.html?id=0OEV62dm9XAC&redir_esc=y
- Kotler, D. P., & Sordillo, E. M. (2010). Staphylococcus aureus enterocolitis. *Gastroenterology & Hepatology*, 6(2), 117–119.
- Mickienė, R., Ragažinskienė, O., Bakutis, B., Pidugu, S., Arun, T., Suryawanshi, S. P., & Ahirrao, S. D. (2012). Evaluation of antimicrobial and phytochemical profile of medicinally important herb *Mentha arvensis* L. against various microorganism. *International Journal of PharmTech Research*, 1(2320), 69–72. <https://doi.org/10.6001/biologija.v57i2.1834>
- Monfil, V. O., & Casas-Flores, S. (2014). *Molecular mechanisms of biocontrol in trichoderma spp. and their applications in agriculture. Biotechnology and Biology of Trichoderma*. Elsevier. <https://doi.org/10.1016/B978-0-444-59576-8.00032-1>
- Motamedi, H., Seyyednejad, S. M., Dehghani, F., & Hasannejad, Z. (2014). Investigation of antibacterial activity of ethanolic and methanolic extracts of *Mentha pulegium* L. *Zahedan*

- Journal of Research in Medical Sciences*, 16(10), 55–59.
- Parija, S. C. (2009). Antimicrobial Agents: Therapy and Resistance. In M. Khanna (Ed.), *Textbook of Microbiology & Immunology* (pp. 64–74). India: Elsevier Ltd.
- Pereira, O. R., & Cardoso, Su. M. (2013). Overview on Mentha and Thymus polyphenols. *Current Analytical Chemistry*, 9, 382–396.
- Petrolini, F. V. B., Lucarini, R., de Souza, M. G. M., Pires, R. H., Cunha, W. R., & Martins, C. H. G. (2013). Evaluation of the antibacterial potential of Petroselinum crispum and Rosmarinus officinalis against bacteria that cause urinary tract infections. *Brazilian Journal of Microbiology*, 44(3), 829–834. <https://doi.org/10.1590/S1517-83822013005000061>
- Preethi, J., Harita, B., & Rajesh, T. (2017). Review on thin layer chromatography. *Journal of Formulation Science and Bioavailability*, 1(1), 1–4.
- Rafi, M., Darusman, L. K., Nurasiah, E. S., & Dyah, U. (2008). Optimization of Extraction Conditions for Andrographolide Using Fractional Factorial Design. *Indonesian Journal of Pharmacy*, 25(3), 145–152. <https://doi.org/10.14499/indonesianjpharm25iss3pp145>
- Ravindran, P. N. (2017). *The encyclopedia of herbs & spices*. Oxfordshire: CAB International.
- Roy, D., & Mukhopadhyay, S. (2012). *Micropropagation of different species of Mentha and evaluation of regenerated clones*. University of Calcutta.
- Šarić-Kundalić, B., Fialová, S., Dobeš, C., Ölzant, S., Tekel'ová, D., Grančai, D., ... Saukel, J. (2009). Multivariate numerical taxonomy of Mentha species, hybrids, varieties and cultivars. *Scientia Pharmaceutica*, 77(4), 851–876. <https://doi.org/10.3797/scipharm.0905-10>
- Shinwari, Z. K., Sultan, S., & Mahmood, T. (2011). Molecular and morphological characterization of selected mentha species. *Pakistan Journal of Botany*, 43(3), 1433–1436.
- Elsharif, S. A. (2017). *Structure odour relationship study of acyclic monoterpene alcohols, their acetates and synthesized oxygenated derivatives*. Friedrich-Alexander University.
- Petrolini, F. V. B., Lucarini, R., de Souza, M. G. M., Pires, R. H., Cunha, W. R., & Martins, C. H. G. (2013). Evaluation of the antibacterial potential of Petroselinum crispum and Rosmarinus

- officinalis against bacteria that cause urinary tract infections. *Brazilian Journal of Microbiology*, 44(3), 829–834. <https://doi.org/10.1590/S1517-83822013005000061>
- Siriwong, S., Thumanu, K., Hengpratom, T., & Eumkeb, G. (2015). Synergy and mode of action of ceftazidime plus Quercetin or Luteolin on *Streptococcus pyogenes*. *Evidence-Based Complementary and Alternative Medicine*. <https://doi.org/10.1155/2015/759459>
- Sugandhi, B. R. M., & Bai, G. M. (2011). Antimicrobial activity of *Mentha arvensis* L. (Lamiaceae). *Journal of Advanced Laboratory Research in Biology*, 2(1), 92–97.
- Sukadeo Thawkar, B., Jawarkar, A. G., Vaibhav Kalamkar, P., Pravin Pawar, K., Kale, M. K., & Gyanpeeth Rahul, K. (2016). Phytochemical and pharmacological review of *Mentha arvensis*. *International Journal of Green Pharmacy*, 10(2), 71–76.
- Swami Handa, S., Singh Khanuja, S. P., Longo, G., & Dutt Rakesh, D. (2008). Extraction techniques of medicinal plants. *Extraction Technologies for Medicinal and Aromatic Plants*, 1–10. <https://doi.org/http://dx.doi.org/10.1024/0301-1526.37.S71.3>
- Taneja, S. C., & Chandra, S. (2012). *Handbook of Herbs and Spices (Second Edition)* (2nd ed.). Delhi: Woodhead Publishing Ltd.
- The Centers for Disease Control and Prevention (CDC). (2013). CDC in Indonesia Factsheet. *Centers for Disease Control and Prevention*, (CDC), 1–2. Retrieved from <http://www.cdc.gov/globalhealth/countries/indonesia/pdf/indonesia.pdf>
- Walsh, B. (2013). Infectious disease could become more common in a warmer world - especially for plants and animals. Retrieved March 23, 2018, from <http://science.time.com/2013/08/02/infectious-disease-could-be-more-common-in-a-warmer-world-especially-for-plants-and-animals/>
- WHO names 12 bacteria that pose the greatest threat to human health. (2017). Retrieved March 24, 2018, from <https://www.theguardian.com/society/2017/feb/27/world-health-organisation-12-antibiotic-resistant-bacteria-threat-human-health>

Zhang, L., Xu, S. G., Liang, W., Mei, J., Di, Y. Y., Lan, H. H., ... Wang, H. Z. (2015). Antibacterial activity and mode of action of *Mentha arvensis* ethanol extract against multidrug-resistant *Acinetobacter baumannii*. *Tropical Journal of Pharmaceutical Research*, 14(11), 2099–2106.
<https://doi.org/10.4314/tjpr.v14i11.21>