

## REFERENCES

---

1. Kour P, Bilandi A, and Kataria MK, Swami H. Sustained release matrix tablets of miglitol: techniques implemented and patents. International Journal of Institutional Pharmacy and LifeSciences.2015; 5(1):88-100.
2. Kara D. D., Krishna V. T., Pai G. K. A Review on Manufacturing of Tablets by Using Various Granulation Techniques // J. Global Pharma Technol. – 2017. – V. 10, N 9. – P. 05–10.
3. Wachtel GS, Benzie IFF. Herbal Medicine: An Introduction to its History, Usage, Regulation, Current Trends, and Research Needs. *Herbal Medicine: BiomolecularandClinicalAspects* 2011.2<sup>nd</sup>edition.
4. Canter P. H, Ernst E. Herbal supplement use by persons aged over 50 years in Britain: Frequently used herbs, concomitant use of herbs, nutritional supplementsandprescriptiondrugs,rateofinformingdoctorsandpotentialfornegativeinteractions.*Drugs Aging*.2004;21:597–605.
5. Tilburt J. C, Kaptchuk T. J. J. Herbal medicine research and global health: An ethical analysis. *Bull World Health Organ*. 2008; (8):594–9.
6. Shinde, et al.: Formulation and evaluation of antidiabetic polyherbal tablets. *AsianJournalofPharmaceutics* 2021;15(2):250-53
7. Hasan S, Vedant Misra, Swati Singh, Garvita Arora, Sunita Sharma and Sarika Sharma,Current status of herbal drugs and their future perspectives, *Biological Forum—An International Journal* 2009;1(1),12-17
8. Cragg G M, Newman D J,Sander K M,Natural products in drug discovery and development, *Journal of Natural Products* 1997;60:52-60.
9. Prabhakar Reddy Veera Reddy.Herbal drugs and formulations. *Biochem & Pharmacol* 2013; 2(4):213.
10. Kwakye KO, Doriskumadoh. Dosage forms of herbal medicinal products and their stability considerations –an overview.*J CritRev* 2017;4(4):1-8
11. Siddiqui, Ameena & Shukla, Sudhir. (2015). Conservation of Plant Genetic Resources and Their Utilisation in Global Perspective. LS: *International Journal of*

## REFERENCES

---

- Life Sciences. 4. 10.5958/2319-1198.2015.00007
12. Sarangi MK, Padhi S. Novel herbal drug delivery system: An overview. Arch Med Health Sci 2018;6:171-9
13. <https://blogs.baruch.cuny.edu/herbal-and-pharmaceutical-medicines>.
14. <http://1epir.com/en/pages/mdex/id>
15. Neeraj Choudhary, Bhupinder Singh Sekhon. An over view of advances in the standardization of herbal drugs.J PharmEducRes.2011;2(2):55-70.
16. Calixto J B. Efficacy, safety, quality control, marketing and regulatory guidelines for herbal medicines (Phytotherapeutic agents) Brazilian Journal of Medical and Biological Research 2000; 33(2):179-189.
17. [http://www.pharmainfo.net/Herbal medicines and its standardization](http://www.pharmainfo.net/Herbal-medicines-and-its-standardization).
18. Kumadoh, Doris, Ofori-Kwakye, Kwabena. Dosage forms of herbal medicinal products and their stability considerations-an overview. Journal of Critical Reviews 2007; 4:1-8.
19. [https://www.researchgate.net/publication/319242213 Dosage forms of herbal medicinal products and their stability considerations an overview](https://www.researchgate.net/publication/319242213_Dosage-forms-of-herbal-medicinal-products-and-their-stability-considerations-an-overview).
20. Balandrin MF, Klocke JA, Wrtele EA, Boilinger WH. Content and purity of extracts Olasodine in some available species of Solanum, Science and culture 1985; 56(5) ,214-216.
21. [https://www.Pharmapproach.com/advantages-and-disadvantages-of powders](https://www.Pharmapproach.com/advantages-and-disadvantages-of-powders).
22. Knight J. Endocrine System 1: Overview of the endocrine system and hormones. Nursing Times [online] 2021; 117(5):38-42
23. Michelle A, Clark, Richard Finkel, Jose A Rey, Karen Whalen. Lippincott's Illustrated reviews Pharmacology.5<sup>th</sup> edition.
24. Williams Textbook of Endocrinology. 12<sup>th</sup> edition. Elsevier Publishers. 22
25. <https://www.mayoclinic.org/diseases-conditions/diabetes/in-depth/diabetes-treatment/art/20044084>
26. <https://www.cdc.gov/diabetes/basics/type2.html>
-

---

## REFERENCES

---

27. Jain R, Jain P, Jain P. A Review on Treatment and Prevention of Diabetes Mellitus. *Int J Curr Pharm Res*, Vol.8, Issue 3,16-18.
28. <https://www.healthline.com/health/diabetes/Treatment,diagnosis,prevention>.
29. <https://www.niddk.nih.gov/health-information/diabetes/overview/insulin-medicines-treatments>.
30. Marín-Peñalver, J. J., Martín-Timón, I., Sevillano-Collantes, C., & Del Cañizo-Gómez, F. J. (2016). Update on the treatment of type 2 diabetes mellitus. *World journal of diabetes*, 7(17), 354–395. <https://doi.org/10.4239/wjd.v7.i17.354>
31. Hussain S A, Namilikonda M G, Chandra T K, Pasha M A. A Review on Medicinal Plants with Anti-Diabetic Activity. *Int.J.Adv.Res.2020*; 8(03):902-917.
32. Verma S, Gupta M, Popli H, Aggarwal G. Diabetes Mellitus Treatment Using Herbal Drugs: A review. *International Journal of Phytomedicine* 2018;10(1):1-10
33. Abdulmohsen N, Swedan B, Amer M G, Robert A A. The Role of Herbal Medicines in the Treatment of Diabetes: A Short Review. *International Journal of Science and Research (IJSR)*.2021;10(11):1294-97
34. Modak, M., Dixit, P., Londhe, J., Ghaskadbi, S., & Devasagayam, T. P. (2007). Indian herbs and herbal drugs used for the treatment of diabetes. *Journal of clinical biochemistry and nutrition*, 40 (3), 163–173.
35. Kambale, E. K., Quetin-Leclercq, J., Memvanga, P. B., & Beloqui, A. (2022). An Overview of Herbal-Based Antidiabetic Drug Delivery Systems: Focus on Lipid- and Inorganic-Based Nanoformulations. *Pharmaceutics*, 14(10), 2135.
36. Kumar R, Janadri S, Kumar S, Dhanajaya DR, Swamy S. Evaluation of antidiabetic activity of alcoholic extract of flower *Sesbania grandiflora* in alloxan induced diabetic rats. *Asian Journal of Pharmacy and Pharmacology* 2015; 1(1):21-26.
37. Gyawali R & Acharya G & Pokharel M & Shah A & Silwal A. Evaluation of Antidiabetic Polyherbal Formulations. *Advance Research Journal of Medicinal and Clinical Sciences* 2015; 1(1):33-37.
38. Mawlieh B, Shastry S & Chand S. Evaluation of Anti-diabetic Activity of two

## REFERENCES

---

- marketed Herbal Formulations. Research Journal of Pharmacy and Technology 2020; 13(02):664-668
39. Sharma A, Kaushik K. Formulation and Evaluation of Herbal Antidiabetic Tablet 2011; Journal of Drug Delivery & Therapeutics; 2011; 1(1):65-67.
40. Suruse P B, Kale M K, Duragkar N J, Gundawar A. Formulation and Evaluation of Antidiabetic Herbal Capsules. Research J. Pharma. Dosage Forms and Tech. 2011; 4(2):113-118.
41. Sahu MK, Singh VK, S Rao PS. Development and Evaluation of Antidiabetic Potential of Polyherbal Formulation in Streptozotocin Induced Animal Model. Int J cell Sci & Molbiol.2018;5(2):0029-0037
42. Nidhi,N.C.,Rujuta,M.,Drasti,M.,Ismail,U.S.,Ezaj,D.andVaishnavi,C.P.Formulation , Evaluation and Comparison of the Poly Herbal Anti-Diabetic Tablet with the Commercial Tablets. Journal of Pharmaceutical Research International 2021; 33 (37A):252-263.
43. Arora R,Mittal A, Jha K K. Formulation and Evaluation of Herbal Anti-diabetic Formulation containing Eugenia jambolana, Gymnema sylvestre, Tinospora cordifolia,Pterocarpus marscipum, Terminalia bellerica & Emblica officinalis.ThePharma Innovation–Journal 2013;2(5):210-216.
44. Aziz Namra,Wal P,Wal Ankita, Saxena S. Evaluation of a Polyherbal Powder for Treatment of Alam S, Baig A, Reddy S K, Reddy M K, Mohiuddin M, Reddy M V, Gupta R K. Antidiabetic and Diabetes Mellitus .Indian J Pharma Sci 2019;81(6):1070-1077.
45. Uddandrao S V V, Bramhanaidu P, Ganapathy S. Evaluation of the Antioxidant and Antidiabetic Potential of the Polyherbal Formulation: Identification of Bioactive Factors. Cardiovascular & Hematological Agents in Medicinal Chemistry. 2020; 18(2):111-123.
46. Shinde S A, Jain S, Chavan S, Shukla K. Formulation and Evaluation of Antidiabetic Polyherbal Tablets.Asian Journal of Pharmaceutics.2021;15(2):250
47. Alam S et al. Antihyperlipidemic Effects of Aqueous Extract of Polyherbal Formulation (ZiabeeteinPowder) in Experimental Animals. Int. J. harm.

## REFERENCES

---

- Phytopharmacol. Res. 2013;2(4):263-267
48. Suman M, Shivalinge G K P, Paul U, Priyanka S. Evaluation of Antidiabetic and Antihyperlipidemic Activity Of Newly Formulated Polyherbal Antidiabetic Tablets In Streptozocin-Induced Diabetes Mellitus In Rats. Asian Journal of Pharmaceutical and Clinical Research 2016; 9(1):202-207.
49. Patel K, Hingorani L, Jain V. Formulation Development and Evaluation of AntidiabeticPolyherbalTablet. Int.J.Pharm.Sci.Rev.Res.2017;42(2):146-151.
50. Kumodh D, Ofori-Kwakye K. Dosage Forms of Herbal Medicinal Products and Their Stability Considerations- An Overview. Journal of Critical Reviews 2017; 4(4):1-8.
51. Parasuraman S, Thing GS, Dhanaraj SA. Polyherbal formulation: Concept of Ayurveda. Pharmacognosy Revision. 2014;8(16):73-80.
52. Gupta R et.al. Formulation and evaluation of herbal effervescent granules incorporated with Calliandra haematocephala leaves extract. IndoAmerican Journal of Pharm Research. 2013; 3(6):4366-4371.
53. Kothari S, Thangavelu L, Roy A. Anti-diabetic activity of *Sesbania grandiflora* – alpha amylase inhibitory effect. J Adv Pharm Edu Res 2017;7(4):499-502
54. Panigrahi G, Panda C, Patra A. Extract of *Sesbania grandiflora* Ameliorates Hyperglycemia in High Fat Diet-Streptozotocin Induced Experimental Diabetes Mellitus. Scientifica 2016:1-10.
55. Singh H, Arora S, Mani M, Mahaur K, Phool C. Development of multicomponent formulation of herbal drugs for evaluation of Antidiabetic activity. Der Pharmacia Lettre, 2014, 6(1):219-223.
56. Sabale K D, Sabale K D, Kathawate G S, Mane S S. Formulation and Evaluation of Herbal Antidiabetic Tablet. AsianJ.Res.Pharm.Sci.2020; 10(3):145-148.
57. Shrivastava S, Panda P, Vishwakarma D K, Verma N K, Nayak J. Formulation and evaluation of herbal tablets containing *Agaricus bisporus* powder. International Journal of Advances in Pharmaceutics 2017; 06(02):63-69.
58. Saifi A, Chauhan R, Dwivedi J. Development of a polyherbal formulation FMST

## REFERENCES

---

- and evaluation for antidiabetic activity in alloxan induced diabetic rats. Asian J. Pharm. Res.2017; 7(1):1-7.
59. Chauhan L, Vashisht S. Formulation and evaluation of novel herbal antidiabetic transdermal patch.Innov Pharm Pharmacother 2018;6(4):61-64.
60. Gauttam V K, Kalia A N. Development of polyherbal antidiabetic formulation encapsulated in the phospholipids vesicle system. JAdvPharmTechnol Res. 2013; 4(2):108-17.
61. Jyothi D, Koland M, Sneh P, James J P. Formulation of Herbal Capsule Containing Trigonella Foenum-Graecum Seed Extract for the Treatment of Diabetes.Journal of Young Pharmacists, 2017; 9(3):352-356.
62. Telapolu S, Kalachavedu M, Punnoose AM, Bilikere D. MD-1, a poly herbal formulation indicated in diabetes mellitus ameliorates glucose uptake and inhibits adipogenesis - an invitro study. BMC Complement Altern Med. 2018 Apr2; 18(1):113.
63. Petchi R R, Chockalingam V, Parasuraman S. Antidiabetic Activity of Polyherbal Formulation in Streptozotocin – Nicotinamide Induced Diabetic Wistar Rats. Journal of Traditional and Complementary Medicine, 2014; 4(2):108-117.
64. Panda A, Jena S, Sahu PK, Nayak S, Padhi P. Effect of Polyherbal Mixtures on theTreatment of Diabetes.ISRN Endocrinology 2013:1-5.
65. Farghaly U, Kamel M S, Elzahwey A S, Mangoura S A. Design and Formulation of Novel Pharmaceutical Capsules of Herbal Origin for Diabetes Mellitus. International Journal of PharmaceuticalSciences and Research, 2014;5(4):1474-81.
66. Mandlik R V, Desai S K, Naik S R. Antidiabetic activity of a polyherbal formulation (DRF/AY/5001). Indian Journal of Experimental Biology, 2008; 46(8): 599-606.
67. Majumdar P, Paridhavi M. Physicochemical Standardization and Formulation Development of Poly-herbal Tablet for Diabetes. British Journal of Pharmaceutical Research.2016; 12(3):1-17.
68. Mandal, I., Jannat, H., Rahman, S., Jahan, R., Khan, T., Mou, S. M., & Rahmatullah, M. (2014). Antihyperglycemic and Antinociceptive Activity Tests

---

## REFERENCES

---

- with Beta Vulgaris L. SSP. Vulgaris Roots: A Preliminary Report. *World Journal of Pharmaceutical Research*, 3(9), 109-118.
69. Al-Harbi LN, Alshammary, Al-Dossari AM, Subash-babu P, Binobead MA, AlhussainMH, Alsedairy SA, Al-Nouri Doha, Shamlan G. *Beta vulgaris* L. (Beetroot) Methanolic Extract Prevents Hepatic Steatosis and Liver Damage in T2DM Rats by Hypoglycemic, Insulin-Sensitizing, Antioxidant Effects, and Upregulation of PPAR $\alpha$ . *MDPI biology*.2021; 10(12):1306.
70. Kumar S, Shachi K, Dubey NK. Anti-Diabetic and Haematinic Effects of Beet Root Juice(*Beta vulgaris* L.) in Alloxan Induced Type-1 Diabetic Albino Rats. *Journal of DiabetesResearchandTherapy*.2020;6(1):1-3.
71. Chauhan N N, Mistry R, Mandale D, Ismail U S, Ezaj D, Patel V C. Formulation, Evaluation and Comparison of the Polyherbal Anti-Diabetic Tablet with the Commercial Tablets.*Journal of Pharmaceutical Research International*. 2021; 33(37A):252-263.
72. Harshmal Kadth, Sakunthala H S. Evaluation of the effect and efficacy of herbal powder preparation derived from 'Thalpathe Piliyam'in the management of type II Diabetes mellitus. Young Ayurveda Researchers' and Innovators' Symposium (YARIS – 2019), Institutional Research Committee, Gampaha Wickramarachchi Ayurveda Institute, University of Kelaniya, Yakkala, and SriLanka.2019:40.
73. Manekar S S, Rangari V D, Agrawal M N, Rathod S M. Formulation and Anti-Diabetic Activity Studies of Herbomineral Formulation for Treatment of Diabetes. *International Journal of Pharmaceutical Sciences and Research*.2014;5(9):3912-3917.
74. Jain S, Pandhi P,Singh A P,Malhotra S. Efficacy of Standardized Herbal Extracts in Type 1 Diabetes - An Experimental Study.*Afr.J.Traditional,Complementary and Alternative Medicines*.2006; 3(4):23-33.
75. Kumar, Ajeet & Kumar, Rajesh.Formulation and evaluation of ayurvedic anti-diabetic drug. *International Journal of Pharmaceutical Sciences and Drug Analysis* 2022; 2(1): 30-37
76. Mahajan N, Lokhande B, Thenge R, Gangane P, Dumore N.Polyherbal

## REFERENCES

---

- formulation containing antioxidants may serve as a prophylactic measure to diabetic cataract: Preclinical investigations in rat model. *Pharmacognosy Magazine.* 2018; 14(58): 572-577.
77. Gilchrist M, Winyard P G, Fulford J, Angela C A. Shore, Benjamin N. Dietary nitrate supplementation improves reaction time in type 2 diabetes: Development and application of a novel nitrate-depleted beetroot juice placebo. Elsevier. 2014;40:67-74.
78. Thissera B, Visvanathan R, Khanfar M A, Qader M M, Hassan M H A, Hassan H M, Bawazeer M, Behery F A, Yaseen M, Liyanage R, Abdelmohsen U R, Rateb M E. Sesbania grandiflora L. Poir leaves: A dietary supplement to alleviate type 2 diabetes through metabolic enzymes inhibition, *South African Journal of Botany.* Elsevier 2020; 130:282-299.
79. Reddy KS, Sudheer A, Pradeepkumar B, Reddy CS. Effect of a polyherbal formulation in streptozotocin-induced diabetic nephropathy in wistar rats. *Indian J Pharmacol* 2019;51:330-6
80. L Pari, R Ramakrishnan, S Venkateswaran, ntihyperglycaemic effect of Diamed, a herbal formulation, in experimental diabetes in rats, *Journal of Pharmacy and Pharmacology*, 200;53(8):1139–1143.
81. Mamatha M K, Suma US, Annegowda HV. The Ascent of Polyherbal Formulation in the Treatment of Diabetes Mellitus. *Res.J.Pharmacognosy and Phytochem.*2020; 12(4):256-260.
82. Debnath B, Manna K. Formulating anti-diabetic nutraceutical tablets based on edible plants from Tripura, India. *Foods and Raw Materials.*2022; 10(2):227–234.
83. Panigrahi G, Panda C, Patra A. Extract of Sesbania grandiflora Ameliorates Hyperglycemia in High Fat Diet-Streptozotocin Induced Experimental Diabetes Mellitus. *Scientifica (Cairo).*2016; 2016:4083568.
84. Kumar R, Janadri S, Kumar S, Swamy S. Evaluation of antidiabetic activity of alcoholic extract of flower Sesbania grandiflora in alloxan induced diabetic rats. *Asian Journal of Pharmacy and Pharmacology.*2015;1(1):21-6.
85. Ramasubbu K, Padmanabhan S, Al-Ghanim K A, Nicoletti M, Govindarajan M,

## REFERENCES

---

- Sachivkina N, Rajeswari V D. Green Synthesis of Copper Oxide Nanoparticles Using Sesbania grandiflora Leaf Extract and Their Evaluation of Anti-Diabetic,Cytotoxic,Anti-Microbial, and Anti-Inflammatory Properties in an In-Vitro Approach. *Fermentation.* 2023 Mar 27;9(4):332.
86. Abdullah R, Arshad H, Kaleem A, Iqtedar M, Aftab M, Saleem F. Assessment of angiotensin converting enzyme inhibitory activity and quality attributes of yoghurt enriched with Cinnamomum verum, Elettaria cardamomum, Beta vulgaris and Brassica oleracea. *Saudi Journal of Biological Sciences.* 2023 Feb 1;30(2):103556.
87. Al-Harbi L N, Alshammari G M, Al-Dossari A M, Subash-Babu P, Binobead M A, Alhussain M H, AlSedairy S A, Al-Nouri D M, Shamlan G. *Beta vulgaris* L. (Beetroot) Methanolic Extract Prevents Hepatic Steatosis and Liver Damage in T2DM Rats by Hypoglycemic, Insulin-Sensitizing, Antioxidant Effects, and Upregulation of PPAR $\alpha$ . *Biology.* 2021; 10(12):1306.
88. Dubey, Nagina Kumar & Kumar, Sanjeev & Shachi, Kumari & Dubey, Usha. (2020). Anti-Diabetic and Haematinic Effects of Beet Root Juice (*Beta vulgaris* L.) in Alloxan Induced Type-1 Diabetic Albino Rats. *Journal of Diabetes Research and Therapy.* 6.10.16966/2380-5544.150.
89. Türkyilmaz I, Bayrak B, Saçan Ö, Kabasakal L, Sener G, Yanardağ R. Chard (*beta vulgaris* L. varcicla) extract inhibits polyopathy and hyperglycaemia-induced oxidative stress in rat lenses. *farmacia.* 2022;70(1).
90. Isabela Micheletti Lorizola, Josiane Érica Miyamoto, Ana Luiza Figueiredo Vieira, Beatriz Rocchetti Sumere, Rosângela Maria Neves Bezerra, Marcio Alberto Torsoni, Adriana Souza Torsoni, Mauricio Ariel Rostagno, Marciane Milanski, Caroline Dário Capitani, Beet (*Beta vulgaris* L.) stalk and leaf supplementation changes the glucose homeostasis and inflammatory markers in the liver of mice exposed to a high-fat diet, *Food Chemistry: Molecular Sciences,* 2021;2:2666-5662.
91. Helmy, S. A., Morsy, N. F. S., Elaby, S. M., & Ghaly, M. A. H. A. (2024). Antidiabetic Effect of Combined Leaf Extracts of *Portulaca oleracea* L., *Beta vulgaris* L., and *Cichorium intybus* L. in Streptozotocin-Induced Diabetic Rats. *Journal of Medicinal Food,* 27(4), 339-347.

## REFERENCES

---

92. Han, Haewook & Segal, Adam & Seifter, Julian & Dwyer, Johanna. (2015). Nutritional Management of Kidney Stones (Nephrolithiasis). *Clinical nutrition research.* 4. 137-52. 10.7762/cnr.2015.4.3.137.
  93. <https://ntbg.org/database/plants/detail>
  94. [https://www.planetaryurveda.com/library.](https://www.planetaryurveda.com/library)
  95. Sushrut Samhita S.S.Su.46/281,282
  96. Hasan,N.,Osman,H.,Mohamad,S.,Chong,W.K.,Awang,K.,& Zahariluddin S.M. (2012). The Chemical Components of *Sesbania grandiflora* Root and their Antituberculosis Activity. *Pharmaceuticals,* 5(8), 882–889.
  97. Aung, A.A. Chemical investigation and antimicrobial lactivities of *Sesbania grandiflora* L. *UnivResJ,* 2011;4(1),337-350.
  98. Arfan, Nafisa & Julie, Azima & Mohiuddin, Abdul Kader & Khan, Shah. (2016). Medicinal Properties of the *Sesbania grandiflora* Leaves. *Ibnosina J Med BS.* *Ibnosina J Med BS* 2016. 271-277. 10.4103/1947-489X.210243.
  99. Padmalochana, K., &Rajan, M. D. (2014). Antimicrobial activity of Aqueous, Ethanol and Acetone extracts of *Sesbania grandiflora* leaves and its phytochemical characterization. *Int. J. of Pharma Sciences and Research,* 2014; 5(12):957-962.
  100. Mohiuddin, A. K. Medicinal and therapeutic values of *Sesbania grandiflora*. *J Pharm Sci Exp Pharmacol,* 2019, 81-86.
  101. Ananta Worasakul, P., Hamamoto H., Sekimizu K., & Okonogi, S.(2017). Biological activities and antibacterial biomarker of *Sesbania grandiflora* bark extract. *Drug Discoveries & Therapeutics,* 11(2),70–77.
  102. Rateb, Mostafa E. *Sesbania grandiflora* L. Poir leaves: A dietary supplement to alleviate type 2 diabetes through metabolic enzymes inhibition. *South African Journal of Botany,* 2020;130:282–299
  103. Ninfali, P., & Angelino, D. (2013). Nutritional and functional potential of Beta vulgaris cicla and rubra. *Fitoterapia,* 89,188–199
  104. El-Sohaimy Sobhy, Eman Mohamed Abdo, Omayma El-Sayed Shaltout, Ahmed Elsaid Abdalla, & AhmedM. Zeitoun. (2020). Nutritional Evaluation of Beetroots
-

## REFERENCES

---

- (Beta vulgaris L.) and Its Potential Application in a Functional Beverage. *Plants*, 9(12), 1752–1752. <https://doi.org/10.3390/plants 9121752>
105. Rowe, R.C., Sheskey, P.J. and Quinn, M.E. (2009) Handbook of Pharmaceutical Excipients. 6th Edition, Pharmaceutical Press, 359,404,767.
  106. Khadabadi SS, Deore SL. Experimental pharmacognosy, a comprehensive guide. Nirali Prakashan. 2013; 2: 1.3-1.4.
  107. Khandelwal KR. Practical Pharmacognosy –Technique and Experiments. Nirali Prakashan. 2015; 25:1-25.
  108. The Ayurvedic Pharmacopoeia of India. Part- I, 1st Edition, Vol-II, Government of India, Ministry of Health And Family Welfare Department Of Indian system of medicine and homoeopathy. 1989; 142-143.
  109. Lohar DR. Protocol for Testing Ayurvedic, Siddha and Unani Medicine, Government of India, Department of AYUSH, Ministry Of Health And Family Welfare. Pharmacopoeia Laboratory for Indian Medicines Ghaziabad New Delhi.
  110. Quality Control Methods for Medicinal Plant Materials. World Health Organization. Geneva WHO. 1998; 8-30.
  111. Waterhouse, A. L. (2002). Determination of total phenolics. *Current protocols in food analytical chemistry*, 6(1), I1-1.
  112. Shirazi, O. U., Khattak, M. M. A. K., & Shukri, N. A. M. (2014). Determination of total phenolic, flavonoid content and free radical scavenging activities of common herbs and spices. *Journal of pharmacognosy and phytochemistry*, 3(3), 104-108.
  113. Harborne JB. Phytochemical Methods: A Guide to Modern Technique of Plant Analysis. Chapman and Hall: London. 2007; 1(37)69:125-75
  114. Thakker, V. Y., Shah, V. N., Shah, U. D., & Suthar, M. P. (2011). Simultaneous estimation of gallicacid, curcumin and quercentin by HPTLC method. *J Adv Pharm Educ Res*, 1, 70-80.
  115. Wagh, V.D., Wagh, K.V., Tandale, Y.N., & Salve,S.A.(2009). Phytochemical, pharmacological and phytopharmaceutics aspects of Sesbania grandiflora (Hadga):

## REFERENCES

---

- A review. *Journal of Pharmacy Research*, 2(5), 889-892.
116. Sethuraman, V., Janakiraman, K., Krishnaswami, V., Natesan, S., & Kandasamy, R. (2021). Combinatorial analysis of quercetin and resveratrol by HPTLC in Sesbania grandiflora phyto-based nanoformulations. *Natural product research*, 35(13), 2243-2248.
117. Jain, R., Hait, M., & Jain, S. K. (2022). Quantification of β-Sitosterol in Sesbania grandiflora Bark using High Performance Thin Layer Chromatography. *ES Food & Agroforestry*, 9, 39-44.
118. Gauttam VK, Kalia AN. Development of polyherbal antidiabetic formulation encapsulated in the phospholipids vesicle system. *J Adv Pharm Technol Res*. 2013 Apr;4(2):108-17. doi: 10.4103/2231-4040.111527. PMID: 23833751; PMCID: PMC3696222.
119. Manik, S., Gauttam, V., & Kalia, A. N. (2013). Anti-diabetic and antihyperlipidemic effect of allopolyherbal formulation in OGTT and STZ-induced diabetic rat model.
120. S. Parasuraman, Toxicological screening, *J Pharmacol Pharmacother*, 2 (2011), pp. 74-79
121. ECD (2002), Test No. 423: Acute Oral toxicity - Acute Toxic Class Method, OECD Guidelines for the Testing of Chemicals, Section 4, OECD Publishing, Paris, <https://doi.org/10.1787/9789264071001>
122. Ghauri, A. O., Mohiuddin, E., Rehman, T., & Siddiqui, H. S. M. (2022). Acute and subacute toxicity studies of a poly herbal formulation used for diabetes. *Pakistan Journal of medical sciences*, 38(6), 1668–1673. <https://doi.org/10.12669/pjms.38.6.5928>
123. Majhi, S., Singh, L., Verma, M., Chauhan, I., & Sharma, M. (2022). In-vivo evaluation and formulation development of polyherbal extract in streptozotocin-induced diabetic rat. *Phytomedicine Plus*, 2(4), 100337.
124. Chaudhuri, A., & Sharma, S. (2016). Evaluation of antidiabetic activity of polyherbal formulation in streptozotocin-induced diabetic rats. *Pharmaceutical and Biosciences Journal*, 01-06.

---

## REFERENCES

---

125. Kumar, C. H., Kumar, J. S., Ishaq, B. M., Rani, G. U., & Prakash, K. V. (2010). Antidiabetic activity of a polyherbal preparation. *Pharmacologyonline*, 2(1), 780-87.
126. Petchi, R. R., Vijaya, C., & Parasuraman, S. (2014). Antidiabetic activity of polyherbal formulation in streptozotocin–nicotinamide induced diabetic Wistar rats. *Journal of Traditional and Complementary medicine*, 4(2), 108-117.
127. Arijit Chaudhuri & Shalini Sharma. (2016). Evaluation of Antidiabetic Activity of Polyherbal Formulation in Streptozotocin-Induced Diabetic Rats. *Pharmaceutical and Biosciences Journal*, 01-06. <https://doi.org/10.20510/ukjpb/4/i5/113983>
128. Ghanshyam Panigrahi, Chhayakanta Panda, Arjun Patra, & Extract of Sesbania grandiflora Ameliorates Hyperglycemia in High Fat Diet-Streptozotocin Induced Experimental Diabetes Mellitus & Scientifica, vol. 2016, Article ID 4083568, 10 pages, 2016. <https://doi.org/10.1155/2016/4083568>
129. Wroblewska,M.,Juskiewicz,J.,&Wiczkowski,W.(2011).Physiological properties of beetroot crisps applied in standard and dyslipidaemic diets of rats. *Lipids in Health and Disease*,10(1),178
130. Lorizola I, Furlan C, Portovedo M, Milanski M, Botelho P, Bezerra R, SumereB, Rostagno M, Capitani C. 2018. Beet stalks and leaves (*Beta vulgaris L.*) protect against high-fat diet-induced oxidative damage in the liver in mice. *Nutrients* 10 (7):872.
131. Rasica,L,Porcelli,S.,Marzorati,M.,Salvadego,D.,Vezzoli,A.,Agosti,F.,Grassi, B. (2018). Ergogenic effects of beetroot juice supplementation during severe-intensity exercise in obese adolescents. *American Journal of Physiology Regulatory, Integrative and Comparative Physiology*, 315(3), R453–R460.
132. El Gamal, A. A., AlSaid, M. S., Raish, M., Al-Sohaibani, M., Al-Massarani, S.M., Ahmad, A., Hefnawy, M., Al-Yahya, M., Basoudan, O. A., & Rafatullah, S. (2014). Beetroot (*Beta vulgaris L.*) extract ameliorates gentamicin-induced nephrotoxicity associated oxidative stress, inflammation, and apoptosis in rodent model. *Mediators of inflammation*, 2014, 983952.
133. Rateb, Mostafa E. *Sesbania grandiflora* L. Poir leaves: A dietary supplement to

## REFERENCES

---

- alleviate type 2 diabetes through metabolic enzymes inhibition. *South African Journal of Botany*, 2020;130:282–299
134. Visvanathan, Rizliya; Khanfar, Mohammad A.; Qader, M. Mallique; Hassan, Marwa H.A.; Hassan, Hossam M.; Bawazeer, Majed; Behery, Fathy A.; Yaseen, Mohammed; Liyanage, Ruvini; Abdelmohsen, Usama R.; Rateb, Mostafa E. (2020). *Sesbania grandiflora L.* Poir leaves: A dietary supplement to alleviate type 2 diabetes through metabolic enzymes inhibition. *South African Journal of Botany*, 130, 282–299.
135. Thissera, B., Visvanathan, R., Khanfar, M. A., Qader, M. M., Hassan, M. H., Hassan, H. M., & Rateb, M. E. (2020). *Sesbania grandiflora L.* Poir leaves: A dietary supplement to alleviate type 2 diabetes through metabolic enzymes inhibition. *South African Journal of Botany*, 130, 282-299.
136. Beals, J.W., Binns, S.E., Davis, J.L., Giordano, G.R., Klochak, A.L., Paris, H. L., Bell, C. (2017). Concurrent beet juice and carbohydrate ingestion: Influence on glucose tolerance in obese and nonobese adults. *Journal of Nutrition and Metabolism*, 2017, 6436783.
137. Karole, S., Shrivastava, S., Thomas, S., Soni, B., Khan, S., Dubey, J., Dubey, S.P., Khan, N., & Jain, D. K. (2019). Polyherbal Formulation Concept for Synergic Action: A Review. *Journal of Drug Delivery and Therapeutics*, 9(1-s), 453-466. <https://doi.org/10.22270/jddt.v9i1-s.2339>
138. Anantaworasakul, P., Hamamoto, H., Sekimizu, K., & Okonogi, S. (2017). In vitro antibacterial activity and in vivo therapeutic effect of *Sesbania grandiflora* in bacterial infected silkworms. *Pharmaceutical biology*, 55(1), 1256–1262. <https://doi.org/10.1080/13880209.2017.1297467>
139. Bolkent, Ş., Yanardağ, R., Tabakoğlu-Oğuz, A., & Özsoy-Saçan, Ö. (2000). Effects of chard (*Beta vulgaris* L. var. cicla) extract on pancreatic B cells in streptozotocin-diabetic rats: a morphological and biochemical study. *Journal of ethnopharmacology*, 73(1-2), 251-259.
140. Leon Lachman, Herbert A. Lieberman, Joseph L. Kanig: The hypothesis and Practice of Modern Drug store, Varghese distribution house, 3d release, 1990, 293-

## REFERENCES

---

373

141. Mahapatra, S. K. & Verma, S. (2023). Formulation and Evaluation of Polyherbal Tablet for Better Therapeutic Efficacy. *Research Journal of Pharmacy and Technology*, 16(2), 835-838.
  142. Gaikwad, B. B., Rane, B. R., & Jain, A. S. (2022). Formulation and Evaluation of Orodispersible Tablet of Sulindac. *European Journal of Pharmaceutical Research*, 2(3), 11–19. <https://doi.org/10.24018/ejpharma.2022.2.3.41>
  143. Sadaf Anwar, Mohd. Adnan Kausar, KehkashanParveen, Aqeela Zahra, Abrar Ali,Riad Badraoui, Mejdi Snoussi, Waseem A. Siddiqui, Mohd Saeed, Polyherbal formulation: The studies towards identification of composition and their biological activities, *Journal of King Saud University - Science*, Volume 34, Issue 7, 2022, 102256, ISSN 1018-3647
  144. Pradhan, A., Subba, M., Asif, M., & Sharma, C. (2022). Formulation and evaluation of Polyherbal tablet using Carica papaya, Emblica officinalis, Foeniculum vulgare. *Journal of Pharmacognosy and Phytochemistry*, 11(5), 211-214.
  145. Gunde, M., Sonule, R., & Suruse, P. (2022, November). Formulation and Evaluation of Polyherbal Antidiabetic Tablet. *2022 International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS)* (pp.5-8). IEEE.
  146. Paul,S.,Dey,T.,Koirala,P.,Tamang,S.,Bhattacharya,S.,&Das,R.(2023). Formulation and evaluation of Polyherbal tablet by using Neem, Tulsi, Turmeric and Ginger extract. *Journal of Drug Delivery and Therapeutics*, 13 (7), 46-51.
  147. Umesh, A, Kumudhavalli, M.V., Kumar, M. & Venkateswarlu,B.S.Formulation And Evaluation Of Polyherbal Formulation Containing Indigenous Medicinal Plants.
  148. Ray, A., Prasad, S., & Yadav, R.(2022).Formulation and Evaluation of Polyherbal Formulation of Aegle Marmelos & Pedalium Murex Extract for Anti-Diabetic Activity.*Journal of Pharmaceutical Negative Results*,7708-7720.
  149. Mishra, R., Ray, A., Singh, A., Tripathy, S., Prasad, S., & Yadav, R. (2023).
-

## **REFERENCES**

---

- Development And Evaluation Of Anti Diabetic Activity In Polyherbal Tablets Of Local Herbs. *Journal of Pharmaceutical Negative Results*, 1418-1426.
150. ICH harmonized tripartite guideline. Stab Test New Drug Subst Prod. Q1A (R2). Geneva: International Conference of Harmonization; 2009.
151. Ferraro, P. M., Bargagli, M., Trinchieri, A., & Gambaro, G. (2020). Risk of Kidney Stones: Influence of Dietary Factors, Dietary Patterns, and Vegetarian-Vegan Diets. *Nutrients*, 12(3), 779. <https://doi.org/10.3390/nu12030779>
152. <https://www.mayoclinic.org/diseases-conditions/hyperoxaluria/symptoms-causes/syc-20352254>.

