

BIBLIOGRAPHY

1. Abdali, D., Samson, S. E., & Grover, A. K. (2015). How effective are antioxidant supplements in obesity and diabetes?. *Medical principles and practice : international journal of the Kuwait University, Health Science Centre*, 24(3), 201–215.
2. Abuelgassim, A. O., & Al-showayman, S. I. (2011). The effect of pumpkin (*Cucurbita pepo* L) seeds and L-arginine supplementation on serum lipid concentrations in atherogenic rats. *African journal of traditional, complementary, and alternative medicines : AJTCAM*, 9(1), 131–137.
3. Agarwal, A., Chauhan, K. (2015). Formulation and organoleptic evaluation of flaxseed globs as a functional food. *Food Measure* 9, 448–453
4. Ahmad, A., Husain, A., Mujeeb, M., Khan, S. A., Najmi, A. K., Siddique, N. A., Damanhour, Z. A., & Anwar, F. (2013). A review on therapeutic potential of *Nigella sativa*: A miracle herb. *Asian Pacific journal of tropical biomedicine*, 3(5), 337–352
5. Alhawiti, A. O., Toulah, F. H., & Wakid, M. H. (2019). Anthelmintic Potential of *Cucurbita pepo* Seeds on *Hymenolepis nana*. *Acta parasitologica*, 64(2), 276–281.
6. Alkhatib, A., Tsang, C., Tiss, A., Bahorun, T., Arefanian, H., Barake, R., Khadir, A., & Tuomilehto, J. (2017). Functional Foods and Lifestyle Approaches for Diabetes Prevention and Management. *Nutrients*, 9(12), 1310.
7. Almeida, O. P., McCaul, K., Hankey, G. J., Yeap, B. B., Golledge, J., Norman, P. E., & Flicker, L. (2016). Duration of diabetes and its association with depression in later life: The Health In Men Study (HIMS). *Maturitas*, 86, 3–9.
8. Alwosais, E. Z. M., Al-Ozairi, E., Zafar, T. A., & Alkandari, S. (2021). Chia seed (*Salvia hispanica* L.) supplementation to the diet of adults with type 2 diabetes improved systolic blood pressure: A randomized controlled trial. *Nutrition and health*, 27(2), 181–189.

9. AOAC. Official Methods of Analysis of AOAC International. 21st ed.; AOAC International: Arlington, VA, 2019
10. Arai S. (1996). Studies on functional foods in Japan--state of the art. *Bioscience, biotechnology, and biochemistry*, 60(1), 9–15.
11. Asif M. (2014) The prevention and control the type-2 diabetes by changing lifestyle and dietary pattern. *J Educ Health Promot* Feb 21;3:1
12. B, C., & P, L. (2016). Effects of sunflower seeds on fasting blood glucose in diabetes. *Journal of Chemical and Pharmaceutical Research*, 8(4), 1211-1217.
13. Bacanli, M., Dilsiz, S. A., Başaran, N., & Başaran, A. A. (2019). Effects of phytochemicals against diabetes. *Advances in food and nutrition research*, 89, 209–238.
14. Bahado-Singh, P. S., Wheatley, A. O., Ahmad, M. H., Morrison, E. Y., & Asemota, H. N. (2006). Food processing methods influence the glycaemic indices of some commonly eaten West Indian carbohydrate-rich foods. *The British journal of nutrition*, 96(3), 476–481.
15. Bai, A., Tao, J., Tao, L., & Liu, J. (2021). Prevalence and risk factors of diabetes among adults aged 45 years or older in China: A national cross-sectional study. *Endocrinology, diabetes & metabolism*, 4(3), e00265.
16. Bamosa, A. O., Kaatabi, H., Lebdaa, F. M., Elq, A. M., & Al-Sultanb, A. (2010). Effect of *Nigella sativa* seeds on the glycemic control of patients with type 2 diabetes mellitus. *Indian journal of physiology and pharmacology*, 54(4), 344–354.
17. Baradaran, H. R., Mirghorbani, S. M., Javanbakht, A., Yadollahi, Z., & Khamseh, M. E. (2013). Diabetes distress and its association with depression in patients with type 2 diabetes in iran. *International journal of preventive medicine*, 4(5), 580–584.
18. Batool, M., Ranjha, M. M. A. N., Roobab, U., Manzoor, M. F., Farooq, U., Nadeem, H. R., Nadeem, M., Kanwal, R., AbdElgawad, H., Al Jaouni, S. K., Selim, S., &

- Ibrahim, S. A. (2022). Nutritional Value, Phytochemical Potential, and Therapeutic Benefits of Pumpkin (*Cucurbita* sp.). *Plants* (Basel, Switzerland), 11(11), 1394.
19. Bayat, Azade & Jamali, Zahra & Hajianfar, Hossein & Heidari-Beni, Motahar. (2014). Effects of *Cucurbita ficifolia* Intake on Type 2 Diabetes: Review of Current Evidences. *Shiraz E Medical Journal*. 15. 1-3.
 20. Beckett, N. S., Peters, R., Fletcher, A. E., Staessen, J. A., Liu, L., Dumitrascu, D., Stoyanovsky, V., Antikainen, R. L., Nikitin, Y., Anderson, C., Belhani, A., Forette, F., Rajkumar, C., Thijs, L., Banya, W., Bulpitt, C. J., & HYVET Study Group (2008). Treatment of hypertension in patients 80 years of age or older. *The New England journal of medicine*, 358(18), 1887–1898.
 21. Bharti, S. K., Kumar, A., Sharma, N. K., Prakash, O., Jaiswal, S. K., Krishnan, S., Gupta, A. K., & Kumar, A. (2013). Tocopherol from seeds of *Cucurbita pepo* against diabetes: validation by in vivo experiments supported by computational docking. *Journal of the Formosan Medical Association = Taiwan yi zhi*, 112(11), 676–690.
 22. Bhathena, S. J., & Velasquez, M. T. (2002). Beneficial role of dietary phytoestrogens in obesity and diabetes. *The American journal of clinical nutrition*, 76(6), 1191–1201.
 23. Bhushan, M. S., Rao, C. H. V., Ojha, S. K., Vijayakumar, M., & Verma, A. (2010). An analytical review of plants for anti diabetic activity with their phytoconstituent & mechanism of action. *Int J Pharm Sci Res*, 1(1), 29-46.
 24. Brand-Miller J. C. (2003). Glycemic load and chronic disease. *Nutrition reviews*, 61(5 Pt 2), S49–S55.
 25. Buxton, O. M., Cain, S. W., O'Connor, S. P., Porter, J. H., Duffy, J. F., Wang, W., Czeisler, C. A., & Shea, S. A. (2012). Adverse metabolic consequences in humans of prolonged sleep restriction combined with circadian disruption. *Science translational medicine*, 4(129), 129ra43.

26. Cândido FG, de Oliveira FCE, Lima MFC, Pinto CA, da Silva LL, Martino HSD, Dos Santos MH, Alfenas RCG. Addition of pooled pumpkin seed to mixed meals reduced postprandial glycemia: a randomized placebo-controlled clinical trial. *Nutr Res.* 2018 Apr 26;56:90-97
27. Cândido, F. G., de Oliveira, F. C. E., Lima, M. F. C., Pinto, C. A., da Silva, L. L., Martino, H. S. D., Dos Santos, M. H., & Alfenas, R. C. G. (2018). Addition of pooled pumpkin seed to mixed meals reduced postprandial glycemia: a randomized placebo-controlled clinical trial. *Nutrition research (New York, N.Y.)*, 56, 90–97.
28. Carter, S., Clifton, P. M., & Keogh, J. B. (2016). The effects of intermittent compared to continuous energy restriction on glycaemic control in type 2 diabetes; a pragmatic pilot trial. *Diabetes research and clinical practice*, 122, 106–112.
29. Centers for Disease Control and Prevention. National Diabetes Statistics Report, 2020: Estimates of Diabetes and its Burden in the United States. Accessed 17 October 2021. Available from <https://www.cdc.gov/diabetes/pdfs/data/statistics/national-diabetes-statistics-report.pdf>
30. Chari, K. Y., Polu, P. R., & Shenoy, R. R. (2018). An Appraisal of Pumpkin Seed Extract in 1, 2-Dimethylhydrazine Induced Colon Cancer in Wistar Rats. *Journal of toxicology*, 2018, 6086490.
31. Chentli, F., Azzoug, S., & Mahgoun, S. (2015). Diabetes mellitus in elderly. *Indian journal of endocrinology and metabolism*, 19(6), 744–752.
32. Clarke, R., Webster, C. G., Kehoe, M. A., Coutts, B. A., Broughton, S., Warmington, M., & Jones, R. A. C. (2020). Epidemiology of Zucchini yellow mosaic virus in cucurbit crops in a remote tropical environment. *Virus research*, 281, 197897.
33. Crowe, K. M., Francis, C., & Academy of Nutrition and Dietetics (2013). Position of the academy of nutrition and dietetics: functional foods. *Journal of the Academy of Nutrition and Dietetics*, 113(8), 1096–1103.
34. Dali-Youcef, N., Mecili, M., Ricci, R., & Andrès, E. (2013). Metabolic

inflammation: connecting obesity and insulin resistance. *Annals of medicine*, 45(3), 242–253.

35. De Bacquer, D., Van Risseghem, M., Clays, E., Kittel, F., De Backer, G., & Braeckman, L. (2009). Rotating shift work and the metabolic syndrome: a prospective study. *International journal of epidemiology*, 38(3), 848–854.
36. Deepa, G., Singh, V., & Naidu, K. A. (2010). A comparative study on starch digestibility, glycemic index and resistant starch of pigmented ('Njavara' and 'Jyothi') and a non-pigmented ('IR 64') rice varieties. *Journal of food science and technology*, 47(6), 644–649.
37. DeFronzo, R. A., Ferrannini, E., Groop, L., Henry, R. R., Herman, W. H., Holst, J. J., Hu, F. B., Kahn, C. R., Raz, I., Shulman, G. I., Simonson, D. C., Testa, M. A., & Weiss, R. (2015). Type 2 diabetes mellitus. *Nature reviews. Disease primers*, 1, 15019.
38. Deswal, J., Narang, S., Gupta, N., Jinagal, J., & Sindhu, M. (2020). To study the impact of diabetic retinopathy on quality of life in Indian diabetic patients. *Indian journal of ophthalmology*, 68(5), 848–853.
39. Fawzy, E. I., El Makawy, A. I., El-Bamby, M. M., & Elhamalawy, H. O. (2018). Improved effect of pumpkin seed oil against the bisphenol-A adverse effects in male mice. *Toxicology reports*, 5, 857–863.
40. Fernandez, M. L., Trejo, A., & McNamara, D. J. (1990). Pectin isolated from prickly pear (*Opuntia* sp.) modifies low density lipoprotein metabolism in cholesterol-fed guinea pigs. *The Journal of nutrition*, 120(11), 1283–1290.
41. Franz, M. J., Boucher, J. L., Rutten-Ramos, S., & VanWormer, J. J. (2015). Lifestyle weight-loss intervention outcomes in overweight and obese adults with type 2 diabetes: a systematic review and meta-analysis of randomized clinical trials. *Journal of the Academy of Nutrition and Dietetics*, 115(9), 1447–1463.
42. Frost, G., Keogh, B., Smith, D., Akinsanya, K., & Leeds, A. (1996). The effect of

low-glycemic carbohydrate on insulin and glucose response in vivo and in vitro in patients with coronary heart disease. *Metabolism: clinical and experimental*, 45(6), 669–672.

43. Gaddam, A., Galla, C., Thummisetti, S., Marikanty, R. K., Palanisamy, U. D., & Rao, P. V. (2015). Role of Fenugreek in the prevention of type 2 diabetes mellitus in prediabetes. *Journal of diabetes and metabolic disorders*, 14, 74.
44. Galicia-Garcia, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K. B., Ostolaza, H., & Martín, C. (2020). Pathophysiology of Type 2 Diabetes Mellitus. *International journal of molecular sciences*, 21(17), 6275.
45. Gambert SR, P. S. (2006). Diabetes in older adults: Demography, economic impact, and pathophysiology. *Diabetes Spectr*, 19, 221-228.
46. Garber, C. E., Blissmer, B., Deschenes, M. R., Franklin, B. A., Lamonte, M. J., Lee, I. M., Nieman, D. C., Swain, D. P., & American College of Sports Medicine (2011). American College of Sports Medicine position stand. Quantity and quality of exercise for developing and maintaining cardiorespiratory, musculoskeletal, and neuromotor fitness in apparently healthy adults: guidance for prescribing exercise. *Medicine and science in sports and exercise*, 43(7), 1334–1359.
47. Gencer, B., Marston, N. A., Im, K., Cannon, C. P., Sever, P., Keech, A., Braunwald, E., Giugliano, R. P., & Sabatine, M. S. (2020). Efficacy and safety of lowering LDL cholesterol in older patients: a systematic review and meta-analysis of randomised controlled trials. *Lancet (London, England)*, 396(10263), 1637–1643.
48. Giami, S. Y. (1992). Proximate composition and functional properties of raw and processed full-fat fluted pumpkin (*Telfairia occidentalis*) seed flour. *Journal of the Science of Food and Agriculture*, 59, 321-325
49. Gohari Ardabili A, Farhoosh R, Haddad Khodaparast M H. (2011) Chemical Composition and Physicochemical Properties of Pumpkin Seeds (*Cucurbita pepo* Subsp. *pepo* Var. *Styriaca*) Grown in Iran. *JAST*; 13 (7) :1053-1063

50. Gómez-Pimienta, E., González-Castro, T. B., Fresan, A., Juárez-Rojop, I. E., Martínez-López, M. C., Barjau-Madrigal, H. A., Ramírez-González, I. R., Martínez-Villaseñor, E., Rodríguez-Sánchez, E., Villar-Soto, M., López-Narváez, M. L., Tovilla-Zárate, C. A., & Genis-Mendoza, A. D. (2019). Decreased Quality of Life in Individuals with Type 2 Diabetes Mellitus Is Associated with Emotional Distress. *International journal of environmental research and public health*, 16(15), 2652.
51. Gossell-Williams, M., Hyde, C., Hunter, T., Simms-Stewart, D., Fletcher, H., McGrowder, D., & Walters, C. A. (2011). Improvement in HDL cholesterol in postmenopausal women supplemented with pumpkin seed oil: pilot study. *Climacteric : the journal of the International Menopause Society*, 14(5), 558–564.
52. Grzybek, M., Kukula-Koch, W., Strachecka, A., Jaworska, A., Phiri, A. M., Paleolog, J., & Tomczuk, K. (2016). Evaluation of Anthelmintic Activity and Composition of Pumpkin (*Cucurbita pepo* L.) Seed Extracts-In Vitro and in Vivo Studies. *International journal of molecular sciences*, 17(9), 1456.
53. Gummesson, A., Nyman, E., Knutsson, M., & Karpefors, M. (2017). Effect of weight reduction on glycated haemoglobin in weight loss trials in patients with type 2 diabetes. *Diabetes, obesity & metabolism*, 19(9), 1295–1305.
54. Gupta, J., Kapoor, D., & Sood, V. (2021). Quality of Life and its Determinants in Patients with Diabetes Mellitus from Two Health Institutions of Sub-himalayan Region of India. *Indian journal of endocrinology and metabolism*, 25(3), 211–219.
55. Hamasaki H. (2016). Daily physical activity and type 2 diabetes: A review. *World journal of diabetes*, 7(12), 243–251.
56. Harris, M. I., Hadden, W. C., Knowler, W. C., & Bennett, P. H. (1987). Prevalence of diabetes and impaired glucose tolerance and plasma glucose levels in U.S. population aged 20-74 yr. *Diabetes*, 36(4), 523–534.

57. Hasler C. M. (2002). Functional foods: benefits, concerns and challenges-a position paper from the american council on science and health. *The Journal of nutrition*, 132(12), 3772–3781.
58. Hidetaka Hamasaki. Functional Foods for Type 2 Diabetes. *AIMS Medical Science*, 2016, 3(3): 278-297.
59. Holden, S. E., Jenkins-Jones, S., & Currie, C. J. (2016). Association between Insulin Monotherapy versus Insulin plus Metformin and the Risk of All-Cause Mortality and Other Serious Outcomes: A Retrospective Cohort Study. *PloS one*, 11(5), e0153594
60. Hossein-nezhad, A., & Holick, M. F. (2013). Vitamin D for health: a global perspective. *Mayo Clinic proceedings*, 88(7), 720–755.
61. Houghton P. (2007). *Ethnopharmacology of Medicinal Plants: Asia and the Pacific*. *British Journal of Clinical Pharmacology*, 64(2), 248.
62. Hu, Y., Li, L., & Zhang, J. (2020). Diabetes Distress in Young Adults with Type 2 Diabetes: A Cross-Sectional Survey in China. *Journal of diabetes research*, 2020, 4814378.
63. Hulley, S. B., Cummings, S. R., Browner, W. S., Grady, D. G., & Newman, T. B. (2013). *Designing clinical research* (4th ed.). Lippincott Williams and Wilkins.
64. Hussain, A., Kausar, T., Jamil, M. A., Noreen, S., Iftikhar, K., Rafique, A., Iqbal, M. A., Majeed, M. A., Quddoos, M. Y., Aslam, J., & Ali, A. (2022). In Vitro Role of Pumpkin Parts as Pharma-Foods: Antihyperglycemic and Antihyperlipidemic Activities of Pumpkin Peel, Flesh, and Seed Powders, in Alloxan-Induced Diabetic Rats. *International journal of food science*, 2022, 4804408.
65. Hutchins, A. M., Brown, B. D., Cunnane, S. C., Domitrovich, S. G., Adams, E. R., & Bobowiec, C. E. (2013). Daily flaxseed consumption improves glycemic control in obese men and women with pre-diabetes: a randomized study. *Nutrition research* (New York, N.Y.), 33(5), 367–375.

66. Idris, I. O., Oguntade, A. S., Mensah, E. A., & Kitamura, N. (2020). Prevalence of non-communicable diseases and its risk factors among Ijegan-Isheri Osun residents in Lagos State, Nigeria: a community based cross-sectional study. *BMC public health*, 20(1), 1258.
67. J. Dotto, A. M. (2019). Nutrient composition and selected physicochemical properties of fifteen Mchare cooking bananas: a study conducted in northern Tanzania. *Sci. Afr*, 6, 1-9.
68. Jain, A., Sharmab, R., Yadavc, N., Chaudhary, P., Jainc, G., & Maanju, M. (2017). Quality of life and its association with insomnia and clinical variables in type 2 diabetes. *The Journal of the Egyptian Public Health Association*, 92(1), 52–59.
69. Javidi, A., Mozaffari-Khosravi, H., Nadjarzadeh, A., Dehghani, A., & Eftekhari, M. H. (2016). The effect of flaxseed powder on insulin resistance indices and blood pressure in prediabetic individuals: A randomized controlled clinical trial. *Journal of research in medical sciences : the official journal of Isfahan University of Medical Sciences*, 21, 70.
70. Jelliffe, Derrick Brian & World Health Organization. ((1966 .The assessment of the nutritional status of the community (with special reference to field surveys in prepared in consultation with ; Jelliffe .Derrick B / developing regions of the world World Health .five specialists in various countries-twenty Organization. <https://apps.who.int/iris/handle/10665/41780>
71. Jenkins, D. J., Kendall, C. W., Augustin, L. S., Franceschi, S., Hamidi, M., Marchie, A., Jenkins, A. L., & Axelsen, M. (2002). Glycemic index: overview of implications in health and disease. *The American journal of clinical nutrition*, 76(1), 266S–73S.
72. Jeznach, M. D. (2012). Accumulation of antioxidative vitamins and minerals in seeds of oil pumpkin(*Cucurbita pepo* L. var. *styriaca*) cultivars. *Journal of Food, Agriculture & Environment*, 10(1), 245-247.
73. John, R., Pise, S., Chaudhari, L., & Deshpande, P. R. (2019). Evaluation of Quality

- of Life in Type 2 Diabetes Mellitus Patients Using Quality of Life Instrument for Indian Diabetic Patients: A Cross-Sectional Study. *Journal of mid-life health*, 10(2), 81–88.
74. Kamrul-Hasan, A.B.M., Hannan, M.A., Alam, M.S (2023) Comparison of simplicity, convenience, safety, and cost-effectiveness between use of insulin pen devices and disposable plastic syringes by patients with type 2 diabetes mellitus: a cross-sectional study from Bangladesh. *BMC Endocr Disord* 23, 37
 75. Karamanos B, T. A. (2013). Relation of the Mediterranean diet with the incidence of gestational diabetes. *Eur J Clin Nutr*, 68, 8-13.
 76. Kesavadev, J. D., Short, K. R., & Nair, K. S. (2003). Diabetes in old age: an emerging epidemic. *The Journal of the Association of Physicians of India*, 51, 1083–1094.
 77. Kirkman, M. S., Briscoe, V. J., Clark, N., Florez, H., Haas, L. B., Halter, J. B., Huang, E. S., Korytkowski, M. T., Munshi, M. N., Odegard, P. S., Pratley, R. E., Swift, C. S., & Consensus Development Conference on Diabetes and Older Adults (2012). Diabetes in older adults: a consensus report. *Journal of the American Geriatrics Society*, 60(12), 2342–2356.
 78. Kolooverou, E., Esposito, K., Giugliano, D., & Panagiotakos, D. (2014). The effect of Mediterranean diet on the development of type 2 diabetes mellitus: a meta-analysis of 10 prospective studies and 136,846 participants. *Metabolism: clinical and experimental*, 63(7), 903–911.
 79. Konstantinidi, M., & Koutelidakis, A. E. (2019). Functional Foods and Bioactive Compounds: A Review of Its Possible Role on Weight Management and Obesity's Metabolic Consequences. *Medicines (Basel, Switzerland)*, 6(3), 94.
 80. Kumari Srivastava, G. W. (2017). Evidence based study of antidiabetic potential of *C. maxima* seeds – In vivo. *Journal of Traditional and Complementary Medicine*, 7(4), 466-470.

81. Lebrasseur, A., Fortin-Bédard, N., Lettre, J., Raymond, E., Bussi res, E. L., Lapierre, N., Faieta, J., Vincent, C., Duchesne, L., Ouellet, M. C., Gagnon, E., Tourigny, A., Lamontagne, M.  ., & Routhier, F. (2021). Impact of the COVID-19 Pandemic on Older Adults: Rapid Review. *JMIR aging*, 4(2), e26474.
82. Lee, Y.K., Chung, W., & Ezura, H. (2003). Efficient plant regeneration via organogenesis in winter squash (*Cucurbita maxima* Duch.). *Plant Science*, 164, 413-418.
83. Leibbrand, M., Siefer, S., Sch n, C., Perrinjaquet-Moccetti, T., Kompek, A., Csernich, A., Bucar, F., & Kreuter, M. H. (2019). Effects of an Oil-Free Hydroethanolic Pumpkin Seed Extract on Symptom Frequency and Severity in Men with Benign Prostatic Hyperplasia: A Pilot Study in Humans. *Journal of medicinal food*, 22(6), 551–559.
84. Li, T., Ito, A., Chen, X., Long, C., Okamoto, M., Raoul, F., Giraudoux, P., Yanagida, T., Nakao, M., Sako, Y., Xiao, N., & Craig, P. S. (2012). Usefulness of pumpkin seeds combined with areca nut extract in community-based treatment of human taeniasis in northwest Sichuan Province, China. *Acta tropica*, 124(2), 152–157.
85. Lohman, T.G., Roche, A.F. and Martorell, R. (1988) Anthropometric standardization reference manual. Human Kinetics Books, Chicago.
86. M. Gossell-Williams, A. D. (2006). Inhibition of Testosterone-Induced Hyperplasia of the Prostate of Sprague-Dawley Rats by Pumpkin Seed Oil. *Journal of Medicinal Food*, 9(2), 284-286.
87. Madaan, H. &. (2014). Prevalence of diabetes mellitus in rural population of district Sonapat, India. *Int J Med Sci Public Health.*, 3, 248-251.
88. Madar, Z., Abel, R., Samish, S., & Arad, J. (1988). Glucose-lowering effect of fenugreek in non-insulin dependent diabetics. *European journal of clinical nutrition*, 42(1), 51–54.
89. Makni, M., Fetoui, H., Gargouri, N. K., Garoui, elM., Jaber, H., Makni, J.,

- Boudawara, T., & Zeghal, N. (2008). Hypolipidemic and hepatoprotective effects of flax and pumpkin seed mixture rich in omega-3 and omega-6 fatty acids in hypercholesterolemic rats. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*, 46(12), 3714–3720.
90. Mani, U. V., Mani, I., Biswas, M., & Kumar, S. N. (2011). An open-label study on the effect of flax seed powder (*Linum usitatissimum*) supplementation in the management of diabetes mellitus. *Journal of dietary supplements*, 8(3), 257–265.
 91. Marbun, N., Sitorus, P., & Sinaga, S. M. (2018). Antidiabetic effects of pumpkin (*cucurbita moschata* durch) flesh and seeds extracts in streptozotocin induced mice. *Asian Journal of Pharmaceutical and Clinical Research*, 11(2), 91–93.
 92. Minaxi R Prajapati and Dr. Preeti H Dave. Therapeutic and nutritional importance of garden cress seed. *J Pharmacogn Phytochem* 2018;7(5):140-143.
 93. Mirmiran P, Bahadoran Z, Azizi F. Functional foods-based diet as a novel dietary approach for management of type 2 diabetes and its complications: A review. *World J Diabetes*. 2014 Jun 15;5(3):267-81
 94. Misra, A., Singhal, N., Sivakumar, B., Bhagat, N., Jaiswal, A., & Khurana, L. (2011). Nutrition transition in India: secular trends in dietary intake and their relationship to diet-related non-communicable diseases. *Journal of diabetes*, 3(4), 278–292.
 95. Mordarska, K., & Godziejewska-Zawada, M. (2017). Diabetes in the elderly. *Przegląd menopauzalny = Menopause review*, 16(2), 38–43.
 96. Nanayakkara, N., Pease, A., Ranasinha, S., Wischer, N., Andrikopoulos, S., Speight, J., de Courten, B., & Zoungas, S. (2018). Depression and diabetes distress in adults with type 2 diabetes: results from the Australian National Diabetes Audit (ANDA) 2016. *Scientific reports*, 8(1), 7846.
 97. Nawirska-Olszańska, A., Kita, A., Biesiada, A., Sokół-Łętowska, A., & Kucharska,

- A. Z. (2013). Characteristics of antioxidant activity and composition of pumpkin seed oils in 12 cultivars. *Food chemistry*, 139(1-4), 155–161.
98. Nazila Kassaian, L. A. (2009). Effect of fenugreek seeds on blood glucose and lipid profiles in type 2 diabetic patients. *Int J Vitam Nutr Res*, 71(9), 34-39.
99. Nedeljković, U. D., Krstić, N. M., Varagić-Marković, S. L.j, & Putnik, S. M. (2011). Quality of life and functional capacity one year after coronary artery bypass graft surgery. *Acta chirurgica Iugoslavica*, 58(3), 81–86.
100. Nicholson AS, S. M. (1999). Toward improved management of NIDDM: a randomized, controlled, pilot intervention using a lowfat, vegetarian diet. *Prev Med*, 2(29), 87-91.
101. Nitesh Pradhan, A. S. (2018). Prevalence of diabetes mellitus in rural population of Mullana, district. *International Journal of Research in Medical Sciences*, 6(4), 1248-1251
102. Nurgent AP. (2005) Health properties of resistant starch. *Nutrition Bull*. 30:27–54
103. Ojo, O., Ojo, O. O., Adebowale, F., & Wang, X. H. (2018). The Effect of Dietary Glycaemic Index on Glycaemia in Patients with Type 2 Diabetes: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Nutrients*, 10(3), 373.
104. Oza, M. J., Laddha, A. P., Gaikwad, A. B., Mulay, S. R., & Kulkarni, Y. A. (2021). Role of dietary modifications in the management of type 2 diabetic complications. *Pharmacological research*, 168, 105602.
105. Pandya, A., Mehta, M., & Sankavaram, K. (2021). The Relationship between Macronutrient Distribution and Type 2 Diabetes in Asian Indians. *Nutrients*, 13(12), 4406.
106. Park, S. W., Goodpaster, B. H., Strotmeyer, E. S., de Rekeneire, N., Harris, T.

- B., Schwartz, A. V., Tylavsky, F. A., & Newman, A. B. (2006). Decreased muscle strength and quality in older adults with type 2 diabetes: the health, aging, and body composition study. *Diabetes*, 55(6), 1813–1818.
107. Pereira, M. A., Jacobs, D. R., Jr, Pins, J. J., Raatz, S. K., Gross, M. D., Slavin, J. L., & Seaquist, E. R. (2002). Effect of whole grains on insulin sensitivity in overweight hyperinsulinemic adults. *The American journal of clinical nutrition*, 75(5), 848–855.
 108. Peričin, Draginja & Krimer, Vera & Trivic, Svetlana & Radulović, Ljiljana. (2009). The distribution of phenolic acids in pumpkin's hull-less seed, skin, oil cake meal, dehulled kernel and hull. *Food Chemistry*. 113. 450-456
 109. Petrovska BB. Historical review of medicinal plants' usage. *Pharmacogn Rev*. 2012 Jan;6(11):1-5
 110. Phillips, K. M., Ruggio, D. M., & Ashraf-Khorassani, M. (2005). Phytosterol composition of nuts and seeds commonly consumed in the United States. *Journal of agricultural and food chemistry*, 53(24), 9436–9445.
 111. Pickett, K. E., Kelly, S., Brunner, E., Lobstein, T., & Wilkinson, R. G. (2005). Wider income gaps, wider waistbands? An ecological study of obesity and income inequality. *Journal of epidemiology and community health*, 59(8), 670–674.
 112. Plat, J., Baumgartner, S., Vanmierlo, T., Lütjohann, D., Calkins, K. L., Burrin, D. G., Guthrie, G., Thijs, C., Te Velde, A. A., Vreugdenhil, A. C. E., Sverdlov, R., Garssen, J., Wouters, K., Trautwein, E. A., Wolfs, T. G., van Gorp, C., Mulder, M. T., Riksen, N. P., Groen, A. K., & Mensink, R. P. (2019). Plant-based sterols and stanols in health & disease: "Consequences of human development in a plant-based environment?". *Progress in lipid research*, 74, 87–102.
 113. Pradeepa R, M. V. (2021). Epidemiology of type 2 diabetes in India. *Indian J Ophthalmol*, 11(69), 2932-2938.
 114. Ramachandran, A., Snehalatha, C., Mary, S., Mukesh, B., Bhaskar, A. D.,

- Vijay, V., & Indian Diabetes Prevention Programme (IDPP) (2006). The Indian Diabetes Prevention Programme shows that lifestyle modification and metformin prevent type 2 diabetes in Asian Indian subjects with impaired glucose tolerance (IDPP-1). *Diabetologia*, 49(2), 289–297
115. Rehman, A., Saeed, A., Kanwal, R., Ahmad, S., & Changazi, S. H. (2021). Therapeutic Effect of Sunflower Seeds and Flax Seeds on Diabetes. *Cureus*, 13(8), e17256.
 116. Ren, S., Ouyang, D. Y., Saltis, M., Xu, L. H., Zha, Q. B., Cai, J. Y., & He, X. H. (2012). Anti-proliferative effect of 23,24-dihydrocucurbitacin F on human prostate cancer cells through induction of actin aggregation and cofilin-actin rod formation. *Cancer chemotherapy and pharmacology*, 70(3), 415–424.
 117. Rezig, L., Chibani, F., Chouaibi, M., Dalgalarondo, M., Hessini, K., Guéguen, J., & Hamdi, S. (2013). Pumpkin (*Cucurbita maxima*) seed proteins: sequential extraction processing and fraction characterization. *Journal of agricultural and food chemistry*, 61(32), 7715–7721
 118. Riccardi, G., Rivellese, A. A., & Giacco, R. (2008). Role of glycemic index and glycemic load in the healthy state, in prediabetes, and in diabetes. *The American journal of clinical nutrition*, 87(1), 269S–274S.
 119. Rohit Sharma, R. G. (2012). Prevalence of diabetes mellitus in Saurashtra region of Gujarat: A survey. *International Journal of Research in Ayurveda and Pharmacy*, 169-174
 120. Rose C. F. M. (1933). The Estimation of Urea by Urease Methods in Fluoride Blood. *British journal of experimental pathology*, 14(5), 339–342.
 121. Saad, S. S., Elmabsout, A. A., Alshukri, A., El-Mani, S., Al Mesmary, E., Alkuwafi, I., Almabrouk, O., & Buhagar, S. A. M. (2021). Approximate composition analysis and nutritive values of different varieties of edible seeds. *Asian Journal of Medical Sciences*, 12(6), 101–108

122. Saavedra, M. J., Aires, A., Dias, C., Almeida, J. A., De Vasconcelos, M. C., Santos, P., & Rosa, E. A. (2015). Evaluation of the potential of squash pumpkin by-products (seeds and shell) as sources of antioxidant and bioactive compounds. *Journal of food science and technology*, 52(2), 1008–1015.
123. Sajilata, M. G., Singhal, R. S., & Kulkarni, P. R. (2006). Resistant Starch-A Review. *Comprehensive reviews in food science and food safety*, 5(1), 1–17.
124. Salas-Salvadó, J., Bulló, M., Babio, N., Martínez-González, M. Á., Ibarrola-Jurado, N., Basora, J., Estruch, R., Covas, M. I., Corella, D., Arós, F., Ruiz-Gutiérrez, V., Ros, E., & PREDIMED Study Investigators (2011). Reduction in the incidence of type 2 diabetes with the Mediterranean diet: results of the PREDIMED-Reus nutrition intervention randomized trial. *Diabetes care*, 34(1), 14–19.
125. Salehi B, Capanoglu E, Adrar N, Catalkaya G, Shaheen S, Jaffer M, Giri L, Suyal R, Jugran AK, Calina D, Docea AO, Kamiloglu S, Kregiel D, Antolak H, Pawlikowska E, Sen S, Acharya K, Selamoglu Z, Sharifi-Rad J, Martorell M, Rodrigues CF, Sharopov F, Martins N, Capasso R. Cucurbits Plants: A Key Emphasis to Its Pharmacological Potential. *Molecules*. 2019 May 14;24(10):1854
126. Salmerón, J., Manson, J. E., Stampfer, M. J., Colditz, G. A., Wing, A. L., & Willett, W. C. (1997). Dietary fiber, glycemic load, and risk of non-insulin-dependent diabetes mellitus in women. *JAMA*, 277(6), 472–477.
127. Samaan, Z., Garasia, S., Gerstein, H. C., Engert, J. C., Mohan, V., Diaz, R., Anand, S. S., & Meyre, D. (2015). Lack of association between type 2 diabetes and major depression: epidemiologic and genetic evidence in a multiethnic population. *Translational psychiatry*, 5(8), e618.
128. Sedigheh, A., Jamal, M.S., Mahbubeh, S., Somayeh, K.S., Mahmoud, R.K., Azadeh, A., & Fatemeh, S.S. (2011). Hypoglycaemic and hypolipidemic effects of pumpkin (*Cucurbita pepo* L.) on alloxan-induced diabetic rats. *African Journal of Pharmacy and Pharmacology*, 5, 2620-2626.

129. Sepp, E., Kolk, H., Lõivukene, K., & Mikelsaar, M. (2014). Higher blood glucose level associated with body mass index and gut microbiota in elderly people. *Microbial ecology in health and disease*, 25, 10.3402/mehd.v25.22857.
130. Shah, C., Sheth, N. R., Solanki, B., & Shah, N. (2013). To assess the prevalence of impaired glucose tolerance and impaired fasting glucose in Western Indian population. *The Journal of the Association of Physicians of India*, 61(3), 179–184.
131. Singh, P., Kapil, U., & Dey, A. B. (2004). Prevalence of overweight and obesity amongst elderly patients attending a geriatric clinic in a tertiary care hospital in Delhi, India. *Indian journal of medical sciences*, 58(4), 162–163.
132. Snowling, N. J., & Hopkins, W. G. (2006). Effects of different modes of exercise training on glucose control and risk factors for complications in type 2 diabetic patients: a meta-analysis. *Diabetes care*, 29(11), 2518–2527.
133. Srinivas, H., Venkatesha, M., & Prasad, R. (2014). Quality of Life assessment among Type 2 Diabetic patients in rural tertiary centre. *International Journal of Medical Science and Public Health*, 3, 415–417.
134. Stumvoll, M., Goldstein, B. J., & van Haeften, T. W. (2005). Type 2 diabetes: principles of pathogenesis and therapy. *Lancet (London, England)*, 365(9467), 1333–1346.
135. Trichopoulou A. (2001). Mediterranean diet: the past and the present. *Nutrition, metabolism, and cardiovascular diseases : NMCD*, 11(4 Suppl), 1–4.
136. Urooj, A., & Puttraj, S. (1999). Digestibility index and factors affecting rate of starch digestion in vitro in conventional food preparation. *Die Nahrung*, 43(1), 42–47.
137. Vasdev, S., & Stuckless, J. (2010). Antihypertensive effects of dietary protein and its mechanism. *The International journal of angiology : official publication of the*

International College of Angiology, Inc, 19(1),

138. Venkaiah, T. L. (2017). Indian Food Composition Tables. Hyderabad: National Institute of Nutrition.
139. Verma, N., Usman, K., Patel, N., Jain, A., Dhakre, S., Swaroop, A., Bagchi, M., Kumar, P., Preuss, H. G., & Bagchi, D. (2016). A multicenter clinical study to determine the efficacy of a novel fenugreek seed (*Trigonella foenum-graecum*) extract (Fenfuro™) in patients with type 2 diabetes. *Food & nutrition research*, 60, 32382.
140. Vgontzas, A. N., Liao, D., Pejovic, S., Calhoun, S., Karataraki, M., & Bixler, E. O. (2009). Insomnia with objective short sleep duration is associated with type 2 diabetes: A population-based study. *Diabetes care*, 32(11), 1980–1985.
141. Vrdoljak, D., & Pavlov, R. (2014). Diabetes in elderly. *Collegium antropologicum*, 38 Suppl 2, 243–246.
142. Wang, S., & Zhu, F. (2016). Antidiabetic dietary materials and animal models. *Food research international* (Ottawa, Ont.), 85, 315–331
143. Weickert, M. O., Mohlig, M., Koebnick, C., Holst, J. J., Namsolleck, P., Ristow, M., Osterhoff, M., Rochlitz, H., Rudovich, N., Spranger, J., & Pfeiffer, A. F. (2005). Impact of cereal fibre on glucose-regulating factors. *Diabetologia*, 48(11), 2343–2353.
144. Williams ED, Tapp RJ, Magliano DJ, Shaw JE, Zimmet PZ, Oldenburg BF. Health behaviours, socioeconomic status and diabetes incidence: the Australian Diabetes Obesity and Lifestyle Study (AusDiab). *Diabetologia*. 2010;53(12):2538-2545
145. World Health Organization. ((2004The World Health Organization quality of .
) life(WHOQOLWorld Health .revision 2012 ,BREF -
.Organization<https://apps.who.int/iris/handle/10665/77773>

146. Xu, Q., Song, Y., Hollenbeck, A., Blair, A., Schatzkin, A., & Chen, H. (2010). Day napping and short night sleeping are associated with higher risk of diabetes in older adults. *Diabetes care*, 33(1), 78–83.
147. Yeo, J. (2021). Pumpkin: Health Benefits and Nutrition Facts. Retrieved from <https://www.healthxchange.sg/>.