

## References

1. Kazlauskas, R. Murphy, P.T., Quinn, R.J., Wells R.J. Aplysinopsins-Marine Indole Alkaloids: Chemistry, Bioactivity and Ecological Significance, *Tetrahedron Letters*, **1**: 61- 64, (1977).
2. Prof. Dr. Amani S. Awaad, *Fundamentals of Pharmacognosy and Phytotherapy*, **2**: 7 – 24 , (2007).
3. Kazeem, M. , Ogunwande, I., *Role of Fixed Oil and Fats in Human Physiology and Pathophysiology*, Research Gate , **33** (chapter 2), 86 (January 2012).
4. Pedersen, J.I., Muller, H. and Kirkhus, B. *Serum cholesterol predictive equations with special emphasis on trans and saturated fatty acids, An analysis from designed controlled studies Lipids*, **36**: 783–791. (2001).
5. Akoh, C.C. , Min, D.B. (Eds.). *Food Lipids–Chemistry, Nutrition, and Biotechnology*, **2**, 543 - 558 (2002).
6. Gunstone, F.D.. *The Chemistry of Oil and Fats: sources, composition, properties and uses*, **37**: 277–305 (2004).
7. Delplanque, B. , Mendy, F. *Dietary fatty acids: what are the limits for beneficial effects on blood lipid levels? Lipid Technology Newsletter*, **9**: 77–81 (2003).
8. Schmidt, E.B., Kristensen, S.D., De Caterina, R. and Endres, S. (Ed.). *Prevention and treatment of vascular disease—a nutrition-based approach, Lipids*, **36**: S1– S129 (2001).
9. Jensen, R.G.. *The lipids in human milk. Progress in Lipid Research*, **35**: 53–92 (1996).
10. Forsyth, J.S.. *Lipids and infant formulas, Nutrition Research Reviews*, **11**: 255– 278 (1998).

11. Innes, S.M., *Essential fatty acids in growth and development*, *Progress in Lipid Research*, **30**: 39–103 (1991).
12. Wang, X. and Quinn, P.J., *Vitamin E and its function in membranes*, *Progress in Lipid Research*, **38**: 309–336 (1999).
13. Li, D., Bode, O., Drummond, H. and Sinclair, A.J., *Omega-3 (n-3) fatty acids*. In: *Lipids for functional foods and nutraceuticals* (Ed. Gunstone, F.D.), *The Oily Press*, Bridgwater, pp. 225–290 (2003).
14. Hunt, S.M. and Groff, J.L., *Advanced nutrition and human metabolism*. West Publishing, St Paul, MN. (1990).
15. Williams, C.M. and Roche, H.M., *Achieving optimal fatty acid intake through manufactured foods*. In: *Structured and Modified Lipids* (Ed. Gunstone, F.D.), Marcel Dekker, New York, pp. 465–484 (2001).
16. Garrow, J.S., James, W.P.T. and Ralph, A. (Eds.) (2000). *Human Nutrition and Dietetics*. Churchill Livingstone, Edinburgh.
17. Hands, E.S., *Lipid composition of selected foods*. In: *Bailey's Industrial Oil and Fat Products*, (Ed. Hui, Y.H.) Wiley, New York. **5**: 441–505 (1996).
18. Fredman, P., *Glycosphingolipid tumor antigens*, *Advances in Lipid Research*, **25**: 213–234 (1993).
19. Lands, W.E.M., Libelt, B., Morris, A., Kramer, N.C., Prewitt, T.E., Bowen, P., Schmeisser, D., Davidson, M.H. and Burns, J.H., *Maintenance of lower proportions of (n-6) eicosanoid precursors in phospholipids of human plasma in response to added dietary (n-3) fatty acids* *Biochim. Biophys. Acta*, **1180**: 147–162 (1992).

20. Simopoulos, A.P., Leaf, A. and Salem, N., *Workshop statement on the essentiality of and recommended dietary intakes for omega 6 and omega 3 fatty acids, Prostaglandins, Luekotrienes, Essential Fatty Acids*, **63**: 119–121 (2000).
21. Bonow, R.O. and Eckel, R.E., *Diet, obesity, and cardiovascular risk, New England Journal of Medicine*. **348**: 2057–2058 (2003).
22. Cuppett, S.L., *Cholesterol oxides: sources and health implications, Lipid Technology Newsletter*, **9**: 9–13 (2003).
23. Keys, A., Andersen, J.T. and Grande, F., *Prediction of serum—cholesterol responses of man to changes in the fats in the diet. Lancet*, **2**: 959–996 (1957).
24. Kritchevsky, D., *Fats and oils in human health. In: Food Lipids chemistry, nutrition, and biotechnology*, Akoh, C.C. and Min, D.B. (Eds.), Marcel Dekker, New York, pp. **2**: 543–558 (2002).
25. Chow, C.K. (Ed.). *Fatty acids in foods and their health implications*. Marcel Dekker, New York (1992).
26. Fernie, C.E., *Conjugated linoleic acid. In: Lipids for functional foods and neutraceuticals* (Ed. Gunstone, F.D.), The Oily Press, Bridgwater, pp. 291–318 (2003).
27. Ching, K.C. (Ed.). *Fatty acids in foods and their health implications*, Marcel Dekker, New York, **2**: (2000).
28. Anonymous. *Food, Nutrition and the Prevention of Cancer: a Global Perspective*. World Cancer Research Fund in association with the American Institute for Cancer Research, Washington, DC (1997).

29. Hakomori, S., *Tumor malignancy defined by aberrant glycosylation and sphingo(glyco)lipid metabolism*. Cancer Research, **56**: 5309–5318 (1996).
30. Guthrie, N. and Carroll, K.K., *Specific versus non-specific effects of dietary fat on carcinogenesis*. Progress in Lipid Research, **38**: 261–271 (1999).
31. Knapp, H.K., Salem, Jr.N. and Cunnane, C., *Dietary fats and health* (ISSFAL Congress), Lipids, **38**: 299–496 (2003).
32. Donelian, A., Carlson, L., Lopes, T. & Machado, R., *Comparison of extraction of patchouli (*Pogostemon cablin*) essential oil with upercritical CO<sub>2</sub> and by steam distillation*. The Journal of Supercritical Fluids, **48**: 15-20(2009).
33. Fabiano-Tixier, AS., Abert-Vian, M., ,Trends Anal Chem **47**:1(2013).
34. Djilani, A., Legseir, B., Soulimani, R., Dicko, A., Younos, C., "Extraction technique for Essential Oil" J Bra chemical society **17**:518 (2006).
35. Al-Fekaiki D., *Application of Gas chromatography Mass Spectrometry (GC MS) in Food Science and Biotechnology*, Research Gate journal, Presentation · June 2014.
36. Smith, P.,Lepage, C.,Lukacs, M., Martin, N.,Shufutinsky, A., Savage, P.,*International Journal of Mass Spectrometry*,**295**,113 (2010).
37. James, A., Martin, A.,*The Biochemical Journal*,**50**,679 (1952).
38. Sloan, K.,Mustacich, R.,Eckenrode, B., *Field Analytical Chemistry & Technology*,**5**,288 (2001).
39. Patterson, G., Guymon, A.,Riter, L.,Everly, M.,Griep, R.,Laughlin, B., Ouyang, Z., Cooks, R.,*Analytical Chemistry*,**74**, 6145 (2002).

40. Tekin, K., Karagöz, S., Bektaş, S., *Renewable and Sustainable Energy Reviews*, **40**, 673(2014).
41. Wauschkuhn, C., Fügel, D., Wrany, U., Anastassiades, M., Hancock, P., Dunstan, J., "Application of GC-MS/MS for Pesticide Residues Analysis" **10**, (2006).
42. Krasnopol'sky, V. A.; Parshev, V. A., *Nature*, **292**, 610(1981).
43. Niemann, H. B., Atreya, S. K., Bauer, S. J., Carignan, G. R., Demick, J. E., Frost, R. L., Gautier, D., Haberman, J. A., Harpold, D. N., Hunten, D. M., Israel, G.; Lunine, J. I., Kasprzak, W. T., Owen, T. C., Paulkovich, M., Raulin, F., Raaen, E., Way, S. H. ,*Nature*, **438**, 779(2005).
44. Mishra KK, Srivastava S, Garg A et al. *Antibiotic susceptibility of Helicobacter pylori clinical isolates: comparative evaluation of disk-diffusion and E-test methods*. Curr Microbiol; **53**: 329–34 (2006).
45. Cooper KE. *Theory of antibiotic inhibition zones in agar media*. Nature; **176**: 510–1 (1955).
46. Amin I., Emmy H. K. F., Halimatu – saddah M. N., *Roselle (Hibiscus sabdariffa L.) seed - Nutritional composition, protein quality and health benefits*. Food **2**(1), 1 – 16 (2008).
47. Sprague T. A., *Miscellaneous Notes: LXI - Hibiscus asper. Bulletin of miscellaneous information*. pp. 418-419 (1913). Royal Botanic Gardens, Kew. His Majesty's Stationery Office, London, United Kingdom.
48. Wilson F. D., *Revision of Hibiscus section Furcaria (Malvaceae) in Africa and Asia*. Bulletin of the Natural History Museum, Botany Series **29**, 47–79 (1999).
49. Burkill H.M., *The useful plants of West Tropical Africa*. **2**(4).., (1997). Families M–R. 969 pp. Royal Botanic Gardens, Kew, Richmond, United Kingdom.

50. Lucian H., Veronica B., Harquin S. F., Alin C., Ionela L. S., Daniel T., Emil A., *Antioxidative effects of the methanolic extract of Hibiscus asper leaves in mice*. Rom Biotech Lett **19**(3), 9376 – 9383 (2014).
51. Schippers R.R., Bosch C.H., *Hibiscus asper Hook.f.* (2004), [Internet] Record from PROTA4U. Grubben, G. J. H. & Denton, O. A. (Editors). PROTA (*Plant Resources of Tropical Africa/Resources végétales de l'Afrique tropicale*), Wageningen, Netherlands.  
<http://www.prota4u.org/search.asp>. Accessed 19 February 2018.
52. Gbadamosi I. T1, Abiade A. A1, Agbatutu A2, *An Assessment of the Nutritional, Phytochemical and Antioxidant Properties of Hibiscus asper Hook. F. (Malvaceae)*, African journal of biomedical research, Afr. J. Biomed. Res. **21**: 333- 338 (September, 2018).
53. Al-Hawshabi, O. , *A New Alien Record for the Flora of Yemen: Merremia Dissecta (Jacq.) Hallier F.(Convolvulaceae)*, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN:2278-3008, p-ISSN: **11**, II 2319-7676 (Mar.- Apr.2016), PP 01-03
54. Mabberley DJ. *Mabberley's plant book, A portable dictionary of Plants, their classification and uses*. Cambridge University Press, Cambridge. **3**: (2008).
55. Austin DF and Huaman Z. *A synopsis of Ipomoea (Convolvulaceae) in the Americas*. Taxon 45 3-38 (1996).
56. Dalziel, J. M., *The useful plants of West Tropical Africa. (Being an appendix to "The flora of West Tropical Africa. " )* (1937). Crown Agents for the Colonies, London. (2nd Rep.) (1st reprint, 1948; end reprint, 1955.) 612 p
57. J.T. Roig Y Mesa, Plantas Medicinales, Aromaticas O Venenosas De Cuba Medicinal, Aromatic, Or Poisonous Plants Of Cuba; Cuba Ministerio De Agricultura, Cuba Ministry Of Agriculture, Havana, Cuba; 872 pp (1945).

58. Mansur, M., *Merremia*. 366–373 (2001). in Van Valkenburg, J. L C. H. and N. Bunyaphraphatsara, editors. eds. Plant Resources in South-East Asia. No. **12**(2). *Medicinal and Poisonous Plants 2 Prosea Foundation*, Backhuys Publishers. Leiden, The Netherlands.
59. Hawthorne, W. D., D. Jules, G. Marcelle., *Caribbean spice island plants. Trees, shrubs and climbers of Grenada, Carriacou and the Petit Martinique: A picture gallery with notes on identification, history and other trivia*. NHBS Environment Bookstore, Totnes, Devon, UK (2004).
60. DeFilipps, R.A., S.L. Maina and J. Crepin., *Medicinal Plants of the Guianas (Guyana, Surinam, French Guiana). Biological Diversity of the Guiana Shield Program*, Smithsonian Institution. (2004)
- <http://botany.si.edu/bdg/medicinal>
61. Ved, D. K., P. S. Udayan, K. Ravikumar, N. Begum, and R. Karthikeyan., *Medicinal plant species of Andhra Pradesh community forestry project area Foundation for Revitalisation of Local Health Traditions*. Bangalore (2002).
62. J. B. Devhade, M. J. Devhade and S. S. Kalwaghe, *Preliminary Phytochemical Analysis of Merremia Dissecta (JACQ) Hall a Member of Convolvulaceae*, international Journal of Chemical and physical Sciences, ISSN:2319-6602 IJCPs Vol. 4 Special Issue – NCSC Jan-2015
63. Tsadik E. and Demise D., *Chemical composition from cucumis prophetarum L.* Organic Chem Curr Res, Vol.8 Iss.1 No:1000198, (February 27, 2019).
64. Adnan J. Al-Rehaily, Mohammad A. Al-Yahya, Humayun H. Mirza and Bahar Ahmed, *Cucumidisecosterol: A New diseco-sterol from Cucumis prophetarum Pharmaceutical Biology*, Vol. 40, No. 02, pp. 154–159 (2002).

65. Al-Yahya MA, Al-Meshal IA, Al-Badr AA, Tariq M: *Saudi Plants. A Phytochemical and Biological Approach*. Riyadh, King Abdul-Aziz City for Science and Technology, pp. 142–144 (1990).
66. Abdel-Hamid AZ: *Development of bait formulations for control of intermediate hosts of African schistosome species*. J Appl Toxicol **17**: 391–395 (1997).
67. Atta-ur-Rehman, Ahmed VU, Khan MA, Zehra F: *Antitumor cucurbitacins I. Isolation and structure of cucurbitacin Q1*. Phytochemistry **12**: 2741–2743 (1973).
68. Khan MA, Zehra F: *Studies on chemical constituents of fruits of Cucumis prophetarum Linn*. Pak J Sci Ind Res **18**(1–2): 12–14 (1975).
69. El-Tawil BAH: *Chemical constituents of indigenous plants used in native medicine of Saudi Arabia, II*. Arab Gulf J Sci Res **1**: 395–419 (1983).
70. Alsayari A, Kopel L, Ahmed MS, Soliman HSM, Annadurai S. *Isolation of anticancer constituents from Cucumis prophetarum var. Prophetarum through bioassay-guided fractionation*. BMC Complementary and Alternative Medicine. **18**:274 (2008).
71. Maggs-Ko'lling GL, Madsen S, Christiansen JL, *A phonetic analysis of morphological variation in Citrullus lanatus in Namibia*. Genet Resour Crop E **47**(4):385–393 (2000).
72. Nesom GL, *Toward consistency of taxonomic rank in wild/domesticated Cucurbitaceae*. Phytoneuron **13**:1–33 (2011).
73. Whitaker TW, Bemis WB, *Cucurbits*. In: Simmonds NW (ed) *Evolution of crop plants*. Longman, London, pp 64–69 (1976).
74. Hammer K, Gladis T. *Notes on infraspecific nomenclature and classifications of cultivated plants in Compositae, Cruciferae, Cucurbitaceae, Gramineae (with a remark on Triticum dicoccum Schrank) and Leguminosae*. Genet Resour Crop E **61**:1555–1567 (2014).

75. Enoch G. Achigan-Dako • and other authors, *Phenetic characterization of Citrullus spp. (Cucurbitaceae) and differentiation of egusi-type (C. mucosospermus)*, Research Gate Article in Genetic Resources and Crop Evolution ·, Genet Resour Crop Evol DOI **10.1007/s10722-015-0220-z** (January 2015).
76. Ministry of Food and Agriculture. *Facts sheet on watermelon production*. Ghana, 2011.
77. Alka G., Anamika S. and Ranu P., *A review on watermelon (Citrullus lanatus) medicinal seeds*, Journal of Pharmacognosy and Phytochemistry; **7**(3): 2222-2225 (2018).
78. Gill RA, Leema R. *Proximate Nutritional Analysis of Dried Watermelon seed*. International journal of engineering and General Science.; **4**. (2016)
79. Puerta GA, Cisneros ZLA. *Phytochemical composition of different varieties of watermelons (Citrullus lanatus) grown at three different locations* paper\_14452.htm, accessed, 2012.
80. Wani AA, Sogi DS, Singh P, Wani IA, Shivhare US. *Characterisation and functional properties of watermelon (Citrullus lanatus) seed proteins*. Journal of the Science of Food and Agriculture.; **91**(1):113-121 (2011).
81. Olamide AA, Olayemi OO, Demetrius OO, Olatoye OJ, Kehinde AA. *Effects of methanolic extract of Citrullus lanatus seed on experimentally induced prostatic hyperplasia*. European Journal of Medicinal Plants.; **1**(4):171-179 (2011).
82. Loiy E, Hassan A, Hasnah MS, Ahmed Y, Asking M, Koko WS, Siddig AI. *In vitro anti-microbial activities of chloroformic, hexane & ethanolic extracts of C.lanatus var.citroides*, Journal of medicinal plants research,; **5**(8):1338-1344 (2011).

83. Yadav S, Tomar AK, Jithesh O, Khan MA, Yadav RN, Srinivasan A, Yadav S. *Purification and Partial Characterization of Low Molecular Weight Vicilin-Like Glycoprotein from the Seeds of Citrullus lanatus*. The protein journal.; **30**(8):575-580 (2011).
84. Sin DW, Wong YC, Yao WY. *Analysis of gamma- irradiated melon, pumpkin, and sunflower seeds by electron paramagnetic resonance spectroscopy and gas chromatography – mass spectrometry*, Journal of Agriculture Food Chemistry.; **54**(19):159-66 (2006).
85. Ojieh GC, Oluba OM, Ogunlowo YR, Adebisi KE, Eidangbe GO, Orole RT. *Compositional studies of Citrullus lanatus (Egusi melon) seed*. The Internet Journal of Nutrition and Wellness,; **6**(1).DOI: 10.5580/e6f (2008).
86. Anhwange BA, Ikyenge BA, Nyiatagher DT, Ageh JT, *Chemical analysis of Citrullus lanatus (Thumb.), Cucumeropsis mannii (Naud.) and Telfairia occidentalis (Hook F.) seed oils*, Journal of Applied Sciences Research,; **6**(3):265-268 (2010).
87. Oluba OM, Ogunlowo YR, Ojieh GC, Adebisi KE, Eidangbe GO, Isiosio IO. *Physicochemical properties and fatty acid composition of Citrullus lanatus (egusi melon) seed oil*. Journal of Biological Sciences,; **8**(4):814-817 (2010).
88. Oluba OM, Eidangbe GO, Ojieh GC, Idonije BO. *Palm and Egusi melon oils lower serum and liver lipid profile and improve antioxidant activity in rats fed a high fat diet*. International Journal of Medicine and Medical Sciences.; **3**(2):47-51 (2011).
89. "Spider plant (*Cleome gynandra*) – World Vegetable Center". World Vegetable Center. (2016-04-25.Retrieved 2016-07-19)
90. Cunnane, S., Anderson, M. J. *Lipid Res*, 1997; **38**(4): 805.
91. Burr,G.O.,Burr,M.,Miller,E.(1930),J.*Biol.Chem.*,**86**,587.

92. Ruthig, D.J., Meckling-Gill, K.A. *Journal of Nutrition*,; **129**(10): 179 (1999).
93. Martin, M., Jose, M., Lydia, B., Jose, R., Rodinquez, A., F., Fernandez, R., Juan, C., Maisonneuve, P. *International Journal of Cancer*, **58**(6): 774 (1994).
94. Terese, S., Barcelo Coblin G., Benet, M., Alvarez, R., Bressani, R., Halver, J.E., Escriba, P.V. *Proceedings of the Natural Academy of Science*, **105**(37): 13811 (2008).
95. Carresco. F. "Ingradients de Cosmeticos", *Dictionario De Ingredientes*, **4**; P428: ISBN 978-84-613-4979-1 (2002).
96. Gunstone, F.D., John, L., Albert, J. "The Lipid Handbook", **3**., Boca Raton, CRC Press, 2007.
97. Kingsbury, K.J., Paul, S., Crossley, A., Morgan, D. *Biochemical Journal*, **78**: 541 (1961).
98. European chemicals agency, EC / List no.: 203-990-4, CAS no.: 112-61-8
99. Eulitz, K., Yurawecz, M.P., Sehat, N., Fritsche, J., Roach, J.A.G., Mossoba, M.M., Kramer, J.K.G., Adlof, R.O., Ku, Y: *Preparation, separation, and confirmation of the eight geometrical cis/trans conjugated linoleic acid isomers 8,10-through 11,13-18:2. Lipids*, **34**: 873-877 (1999).
100. Chin, S.F., Liu, W., Storkson, J.M., Ha, Y.L., Pariza, M.W.: *Dietary sources of conjugated dienoic isomers of linoleic acid, a newly recognized class of anticarcinogens*. *J. Food Compos. Anal.*, **5**: 185-197 (1992).
101. Piironen, V., Lnsday, G. D. and Miettinen., *Plant sterols: Biosynthesis, biological function and their importance to human nutrition*, *J. Sci. of Food and Agric.*, **80**: 939 (2000).

102. Balamurugan, R., Duraipandiyan, V. and Ignacimuthu, S., *Antidiabetic activity of  $\gamma$ -sitosterol isolated from Lippia nodiflora L. in streptozotocin induced diabetic rats*, European J. of Pharmacol., **667**: 410 (2011)
103. Balamurugan, R., Stalin, A. and Ignacimuthu, S., *Molecular docking of  $\gamma$ -sitosterol with some target related to diabetes*, European J. of Med. Chem., **47**: 39 (2012).
104. Sundarraj, S., Thangam, R., Sreevani, V., Kaveri, K., Gunasekaran, P., Achiraman S. and Kannan, S.,  *$\gamma$ -sitosterol from Acacia nilotica L. induces G2/M cell cycle arrest and apoptosis through c-Myc suppression in MCF-7 and A549 cells*, J. of Ethnopharmacol., **141**: 803 (2012).
105. Chemical Entities of Biological Interest (ChEBI), *Ethyl linoleate*, <http://www.ebi.ac.uk/chebi/searchId>