



## BIBLIOGRAPHY

- Abhar,H.S. and Schaalán,M.F. (2014). Phytotherapy in diabetes: Review on potential mechanistic perspectives. *World Journal of Diabetes*, Vol. 5(2): pp.176–197.
- Abraham, T.M. and Fox, C.S.(2013). Implications of Rising Prediabetes Prevalence, *Diabetes Care*, Vol. 36 (8):pp. 2139-2141
- ADA, (2013). American Diabetes Association. [Accessed 2013 April 9]. Available from: <http://www.diabetes.org/food-and-fitness/food/what-can-i-eat> .
- ADA.(2014). American Diabetes Association, Standards of Medical Care in Diabetes-2014.*Diabetes Care*, Vol. 37(Supplement 1): pp.S14-S80.
- Agardh,A.E.E, Sidorchuk,A., Hallqvist,J., Ljung,R., Peterson,S., Moradi,T. and Allebeck, P. (2008). Burden of type 2 diabetes attributed to lower educational levels in Sweden.*Population Health Metrics*,Vol. 9(60):pp.1-8.
- Ahdab,M.A.(2014). Beneficial effects of substitution of vegetable soy protein instead of animal protein casein in diets for diabetic male rats, *Nature and Science*, Vol.12(5):pp.120-128.
- Ahmad,J., Masoodi,M.A., Ashraf,M., Rashid,R., Ahmad,R., Ahmad, A. and Dawood,S.(2011). Prevalence of diabetes mellitus and its associated risk factors in age group of 20 years and above in Kashmir, India, *Al Ameen Journal of Medical Science*,Vol.4 (1 ):pp.3 8 -4 4.
- Akhtar,N., Khan,B.A., Majid,A., Khan.S. and Mahmood.T. (2011). Pharmaceutical and biopharmaceutical evaluation of extracts from different plant parts of indigenous origin for their hypoglycemic responses in rabbits. *Acta Poloniae Pharmaceutica*, Vol. 68(6): pp.919–25.
- Al Ali,R., Mzayek,F., Rastam,S.M., Fouad,F.O. and Flaherty,M. (2013). Forecasting future prevalence of type 2 diabetes mellitus in Syria. *BMC Public Health*, Vol.13: pp.507.
- Alexandratos,N. (2006).World Agriculture: towards 2030/50, interim report. An FAO perspective. London, UK:Earthscan; Rome, Italy: FAO.

- Al-Kaabi,J., Al-Maskari,F., Afandi,B., Parkar,H. and Nagelkerke,N. (2009). Physical Activity and Reported Barriers to Activity Among Type 2 Diabetic Patients in the United Arab Emirates. *The Review of Diabetic Studies: RDS*, Vol. 6(4): pp.271–278.
- Alokail,M., Al-Attas,O., Sabico,S. and Kumar,S.(2010). Establishing abdominal height cut-offs and their association with conventional indices of obesity among Arab children and adolescents. *Annals of Saudi Medicine*,Vol.30:pp.209–214.
- Altinterim,B.R.(2012). Bitter gourd (*Momordica Charantia*) and the effects of diabetes disease. *Journal of Agricultural.Faculty of Uludag University*, Vol.26(2):pp 65-69.
- American Diabetes Association.(2014). Standards of medical care in diabetes. *Diabetes Care*;Vol.37(1):pp. S14–S80.
- Anderson, J.M., Kendall,C.W.C. and Jenkins, D.A.J. (2003). Importance of Weight Management in Type 2 Diabetes: Review with Meta-analysis of Clinical Studies, *Journal of the American College of Nutrition* , Vol..22(5):pp331-9.
- Anilakumar,K.R., Kumar,G.P. and Ilaiyaraja,N.(2015). Nutritional, pharmacological and medicinal properties of *Momordica charantia*.*International Journal of Nutrition and Food Sciences*, Vol. 4(1): pp. 75-83.
- Anjana,R.M., Pradeepa,R., Das,A.K., Deepa,M., Bhansali,A.,Joshi,S.R., Joshi,P.P., Dhandhanian,V.K.,Rao,P.V.,Sudha,V.,Subashini,R.,Unnikrishnan,R. Madhu,S.V., Kaur,T., Mohan,V. and Shukla,D.K.(2014).For the ICMR– INDIAB Collaborative Study Group, Physical activity and inactivity patterns in India – results from the ICMR-INDIAB study (Phase-1) [ICMR-INDIAB-5].*International Journal of Behavioral Nutrition and Physical Activity*,Vol.11:pp.26.
- Anjana,R.M., Pradeepa,R., Deepa,M., Datta,M., Sudha,V. and Unnikrishnan,R. (2011). ICMR–INDIAB Collaborative Study Group Prevalence of diabetes and prediabetes (impaired fasting glucose and/or impaired glucose tolerance) in urban and rural India: Phase I results of the Indian Council of Medical Research-India Diabetes (ICMR-INDIAB) study. *Diabetologia*, Vol.54:pp.3022-7.
- Anjana,R.M., Shanthirani,C.S., Deepa,M., Pradeepa,R., Sudha,V., Nair,H.D., LakshmiPriya,N., Subhashini,S.,Binu,V.S., Unnikrishnan,R. and Mohan> V.(2015). Incidence of Diabetes and Prediabetes and Predictors of Progression Among Asian Indians: 10-Year Follow-up of the Chennai Urban Rural Epidemiology Study (CURES), *Diabetes Care* Publish Ahead of Print, published online April 23, 2015, pp1-8.

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- Ariyawansa,K. (2011). Biodiversity in landscape design. Available from URL: <http://dl.lib.mrt.ac.lk/handle/123/1728>
- Arnao,M.B., Cano,A. and Acosta,M.(2001). The hydrophilic and lipophilic contribution to total antioxidant activity. *Food Chemistry*, Vol. 73: pp. 239–244
- Arunachalam,S. and Guneshkharan,S. (2002). Diabetes research in India and China today. From literature based mapping to health care policy. *Current Science*, Vol .82:pp.1086-1097.
- Asif,M. (2014). The prevention and control the type-2 diabetes by changing lifestyle and dietary pattern. *Journal of Education and Health Promotion*, Vol.3(1): pp.1-5.
- Badran,M. and Laher,I.(2012). Type II diabetes mellitus in Arabic-speaking countries. *International Journal of Endocrinology*, Vol.3: pp.1-12.
- Bajaj,S., Jawad,F., Islam,N., Mahtab,H., Bhattarai,J., Shrestha,D., Wijeyaratne,C., Muthukuda,D.T., Widanage,N.W., Aye,T.T., Aung,M.W., Kalra,B., Anjana, R.M., Sreedevi,A. and Verma,K. (2013). South Asian women with diabetes: Psychosocial challenges and management: Consensus statement.*Indian Journal of Endocrinology and Metabolism*, Vol. 17(4): pp.548-552.
- Bakare,R.I., Magbagbeola,O.A., Akinwande,A.I. and Okunowo,O.W. (2010). Nutritional and chemical evaluation of *Momordica charantia*. *Journal of Medicinal Plant Research*, Vol.4(21):pp.2189–2193.
- Banerjee,S. (2010). The rise of the nuclear family behaviors increase risk of cardiovascular disease mortality in men. *Medical Scienceand Sports Exercise*, Vol.42: pp.879–885
- Bano,F., Akthar.N. and Naz,H.(2011). Effect of the aqueous extract of *Momordica Charantia* on body weight of rats.*Journal of Basic and Applied Sciences*, Vol. 7(1):pp. 1-5.
- Barclay L, Lie D(2007). High glycemic index foods may increase risk for Type 2 Diabetes in chinese women. *Arch Intern Med* 167:2310-2316 (2007).
- Bener,A. (2011). Colon cancer in rapidly developing countries: review of the lifestyle, dietary, consanguinity and hereditary risk factors. *Journal of Oncology Review*, Vol.5: pp.5-11.
- Bener,A., Yousafzai,M.T., Darwish,S., Al-Hamaq,A.O. and Nasralla,E.A. (2013). Obesity index that better predict metabolic syndrome: body mass index, waist circumference, waist hip ratio or waist height ratio. *Journal of Obesity*, Vol.: pp.269038.

- Bhagyalaxmi,A., Atul,T. and Shikha,J. (2013). Prevalence of Risk Factors of Non-communicable Diseases in a District of Gujarat, India. *Journal of Health, Population and Nutrition*, Vol.31(1):pp.78–85.
- Bishwajit,G., Ide,S., Hossain,M.A. and Safa,M.N. (2014). Trade liberalization, urbanization and nutrition transition in Asian countries. *Journal of Nutrition Health Food Science*, Vol. 2(1):pp.1-5.
- Blaak,E.E., Antoine,J.M., Benton,D., Björck,I., Bozzetto,L., Brouns,F. and Vinoy,S. (2012). Impact of postprandial glycaemia on health and prevention of disease. *Obesity Reviews*, Vol.13(10):pp.923–984.
- Blevins,T. (2011). Control of postprandial glucose levels with insulin in type 2 diabetes. *Postgraduate Medicine*. Vol.123(4):pp.135-47.
- Blum.A., Loerz,C., Martin,H.J., Staab-Weijnitz,C.A. and Maser,E. (2011). *Momordica charantia* extract, a herbal remedy for type 2 diabetes, contains a specific 11 $\beta$ -hydroxysteroid dehydrogenase type 1 inhibitor. *Journal of Steroid Biochemical Molecular Biology*, Vol. 128: pp.51- 55.
- Boddula,R., Yadav,S., Bhatia,V., Genitta,G. and Pandey,D. (2008). High prevalence of type 2 diabetes mellitus in affluent urban Indians. *Diabetes Research and clinical practice*, Vol.81(2): pp.e4-e7.
- Bodicoat,D.H., Laura,J., Gray,Joseph., Henson., Webb,D., Guru,A., Misra,A., Gupta,R., Vikram,N., Sattar,N., Davies,M.J. and Khunti,K. (2014). Body Mass Index and Waist Circumference Cut-Points in Multi-Ethnic Populations from the UK and India: The ADDITION-Leicester, Jaipur Heart Watch and New Delhi Cross-Sectional Studies.*PLOS ONE*, Vol. 9(3): pp.90813-15.
- Booth,F.W., Roberts,C.K. and Laye,M.J. (2012). Lack of exercise is a major cause of chronic diseases. *Comprehensive Physiology*, Vol.2(2):pp.1143–1211.
- Bradberry,J.C. and Hilleman,D.E. (2013). Overview of Omega-3 Fatty Acid Therapies. *Pharmacy and Therapeutics*, Vol. 38(11):pp.681–691.
- Browning, L.M., Hsieh,S.D. and Ashwell,M. (2010). A systematic review of waist-to-height ratio as a screening tool for the prediction of cardiovascular disease and diabetes: 0.5 could be a suitable global boundary value. *Nutrition Research Reviews*, Vol.23: pp 247-269.
- CDCP, 2011 Fact Sheet. Diabetes at Work. Centers for Disease Control and Prevention.

- CDER, (2005). [www.fda.gov/downloads/Drugs/.../Guidances/UCM078932.pdf](http://www.fda.gov/downloads/Drugs/.../Guidances/UCM078932.pdf)
- Centers for Disease Control and Prevention. (2011). National Diabetes Fact Sheet: Diagnosed and undiagnosed diabetes in the United States, all ages, 2010. Available at: <http://www.cdc.gov/diabetes/pubs/estimates11.htm#10>.
- Chao,C.Y., Sung,P.J., Wang,W.H. and Kuo,Y.H.(2014). Anti-Inflammatory Effect of *Momordica Charantia* in Sepsis Mice. *Molecules*, Vol.19: pp.12777-12788.
- Chaturvedi,P. (2012). Antidiabetic Potentials of *Momordica charantia*: Multiple mechanisms behind the effects. *Journal of Medicinal Food*, Vol. 15(2): pp.101-107.
- Chaudhury,R.R. and Rafei,U.M.(2001). Traditional Medicine in Asia, WHO, SEARO Regional Publications No. 39: pp.36-40.
- Chauhan,A., Sharma,P.K., Srivastava,P., Kumar,N. and Duehe,R.(2010). Plants having potential antidiabetic activity: a review. *Der Pharmacia Lettre*, Vol.2(3): pp.369–387.
- Chen,P.H., Chen,G.C. and Yang,M.F. (2012). Bitter melon seed oil-attenuated body fat accumulation in diet-induced obese mice is associated with cAMP-dependent protein kinase activation and cell death in white adipose tissue. *The Journal of Nutrition*, Vol. 142(7):pp.1197–1204.
- Chen,Q. and Li,E.T.(2005).Reduced adiposity in bittermelon (*Momordica charantia*) fed rats is associated with lower tissue triglyceride and higher plasma catecholamines. *British Journal of Nutrition*, Vol.93:pp.747–754.
- Cheng,H.H., Huang,H.Y., Chen,Y.Y., Huang,C.L., Chang,C.J., Chen,H.L. and Lai,M.H.(2009). Ameliorative effects of stabilized rice bran on type 2 diabetes patients. *Annals of Nutrition and Metabolism*, Vol. 56(1):pp.45-51.
- Chiarelli,F. and Marcovecchio,M.L.(2013). The molecular mechanisms underlying diabetic complications.*International Journal of Pediatric Endocrinology*, (Suppl 1):01
- Chinyere,H., Bikash,N. and Benjamin,O. (2010). Factors Influencing Diabetes Management Outcome among Patients Attending Government Health Facilities in South East Nigeria. *International Journal of Tropical Medicine*, Vol.5(2):pp. 28-36.
- Chiu,M., Austin,P.C., Manuel,D.G., Shah,B.R. and Tu,J.V. (2011). Deriving ethnic-specific BMI cutoff points for assessing diabetes risk. *Diabetes Care*, Vol.34:pp.1741–1748.

- Colles,S.L., Singh,S., Kohli,C. and Mithal,A. (2013). Dietary beliefs and eating patterns influence metabolic health in type 2 diabetes: A clinic-based study in urban North India.*Indian Journal of Endocrinology Metabolism*, Vol.17(6): pp1066–1072.
- Corsi,D.J. and Subramanian,S.V.(2012). Association between socioeconomic status and self-reported diabetes in India: A cross-sectional multilevel analysis. *BMJ Open*,Vol.12(2):pp.1-12.
- Cowie,C.C., Rust,K.F. and Ford,E.S. (2011). Full accounting of diabetes and prediabetes in the U.S. population in 1988–1994 and 2005–2006. *Diabetes Care*,Vol.32(2):pp.287-294.
- Danaei,G., Finucane,M.M. and Lu,Y. (2011). National, regional, and global trends in fasting plasma glucose and diabetes prevalence since 1980: Systematic analysis of health examination surveys and epidemiological studies with 370 country-years and 2.7 million participants. *Lancet*, Vol. 378:pp.31–40.
- Das, M., Pal, S. and Ghosh, A. (2012). Family history of type 2 diabetes and prevalence of metabolic syndrome in adult Asian Indians. *Journal of Cardiovascular Disease Research*,Vol 3(2):pp.104–108.
- Despres,J.P.(2006). Abdominal obesity: the most prevalent cause of the metabolic syndrome and related cardio metabolic risk.*European Heart Journal Supplements*, Vol. 8(SB): pp.B4–B12.
- Dey,L., Anoja,S.A. and Yuan,C.S. (2002). Alternative therapies for type 2 diabetes. *Alternative Medicine Review*, Vol.7: pp.45–58.
- Dwivedi,C. and Daspaul,S.(2013). Antidiabetic herbal drugs and polyherbal formulation used for diabetes: A review.*The Journal of Phytopharmacology*, Vol. 2 (3): pp.44-51.
- Efird,J.T., Choi,Y.M., Davies,S.W., Mehra,S., Anderson,E.J. and Katunga,L.A.(2014). Potential for improved glycemic control with dietary *Momordica charantia* in patients with insulin resistance and pre-diabetes.*International Journal of Environmental Research and Public Health*,Vol.11:pp.2328-2345.
- Espelt,A., Arriola,L., Borrell,C., Larranaga,I., Sandin,M. and Pujolar,E.(2011). A Socioeconomic position and type 2 diabetes mellitus in Europe 1999–2009: A panorama of in equalities. *Current Diabetes Review*, Vol. 7:pp.148-158.
- Fang,E.F., Zhang,C.Z.Y., Wong,J.H., Shen,J.Y., Li,C.H.and Ng,T.B. (2012). The MAP30 protein from bitter gourd *Momordica charantia* seeds promotes apoptosis in liver cancer cells in vitro and in vivo. *Cancer Letters*, Vol. 324(1): pp.66-74.

- Farzad, S., Fatemeh,A., Salehi,M. and Nojomi, M. (2012). Association of waist circumference, body mass index and conicity index with cardiovascular risk factors in postmenopausal women. *Cardiovascular Journal of Africa*, Vol.23(8): pp.442–445.
- Flegal, K.M., Kit,B.K., Orpana,H. and Graubard,B.I. (2013). Association of all-cause mortality with overweight and obesity using standard body mass index categories: A systematic review and meta-analysis. *Journal of the American Medical Association*, Vol.309(1):pp.71-82.
- Flores,J.C., Hirschhorn,J. and Altshuler,D. (2003). The inherited basis of diabetes mellitus: implications for the genetic analysis of complex traits. *Annual Review of Genomics and Human Genetics*, Vol.4: pp.257-291.
- Forbes,J.M and Cooper,M.E. (2013). Mechanisms of diabetic complications. *Physiological Reviews*, Vol. 93(1):pp.137-88.
- Forouhi,N.G., Luan,J., Hennings,S. and Wareham,N,J.(2007). Incidence of type 2 diabetes in England and its association with baseline impaired fasting glucose: the Ely study 1990–2000. *Diabetes Medicine*,Vol. 24:pp 200–207.
- Fuangchan,A., Sonthisombat,P., Seubnukarn,T., Chanouan,R., Chotchaisuwat,P. and Sirigulsatien,V.(2011). Hypoglycemic effect of bitter melon compared with metformin in newly diagnosed type 2 diabetes patients. *Journal of Ethnopharmacology*,Vol.134(2): pp.422-428.
- Geiss,L.S., James,C., Gregg,E.W., Albright,A., Williamson,D.F. and Cowie,C.C. (2010). Diabetes risk reduction behaviors among U.S. adults with prediabetes. *American Journal of Preventive Medicine*, Vol.38(4):pp.403-409.
- Ghorbani,A. (2013).Best herbs for managing diabetes: A review of clinical studies.*Brazilian Journal of Pharmaceutical Sciences*,Vol. 49(3):pp.413-422.
- Gill,J.M.R. and Cooper,A.R.(2008).Physical activity and prevention of type 2 diabetes mellitus. *Current Opinions-Sports Medicine*, Vol. 38(10):pp.807-824.
- Gillies,C.L., Abrams,K.R., Lambert,P.C., Cooper,N.J., Sutton,A.J., Hsu,R.T. and Khunti, K.(2007). Pharmacological and lifestyle interventions to prevent or delay type 2 diabetes in people with impaired glucose tolerance: Systematic review and meta-analysis. *British Medical Journal*, Vol. 334(7588):pp.299.
- Gloyn,A.L. (2003).The search for type 2 diabetes genes. *Ageing Research Reviews*, Vol.2: pp.111-127.

- Gong,Q., Gregg,E.W., and Wang.J. (2011). Long-term effects of a randomised trial of a 6-year lifestyle intervention in impaired glucose tolerance on diabetes-related microvascular complications: the China Da Qing Diabetes Prevention Outcome Study. *Diabetologia*, Vol. 54: pp.300–307.
- Grover,J.K., Yadav,S. and Vats,V.(2002). Medicinal plants of India with antidiabetic potential. *Journal of Ethnopharmacology*, Vol.81: pp.81–100.
- Grover,S. and Avasthi,A.(2005). Cost of ambulatory care of diabetes mellitus: a study from north India. *Postgraduate Medical Journal*, Vol.81: pp.391-5.
- Gupta, R. and Misra,A.(2007). Type 2 diabetes in India: Regional disparities. *TheBritish Journal of Diabetes and Vascular Disease*, Vol.7:pp.12-6.
- Gupta,R. and Verma,S.(2015). Study of effects of consumption of powdered fenugreek seeds on serum lipid profile in patients with Type 2 diabetes Mellitus.*International Journal of Biomedical and Advance Research*, Vol.6(01): pp.57-59.
- Gupta,S., Raychaudhuri,B., Banerjee,S., Das,B., Mukhopadhaya,S. and Datta,S.C. (2010). Momordicatin purified from fruits of *Momordica charantia* is effective to act as a potent antileishmania agent. *Parasitology International*, Vol. 59(2): pp.192-7.
- Habicht D., Kind,V., Rudloff,S., Borsch,C., Mueller,A.S., Pallauf,J., Yang,R. and Krawinkel,M.B.(2011). Quantification of antidiabetic extracts and compounds in bitter gourd varieties. *Food Chemistry*,Vol. 126:pp-172-176.
- Haire,J,D. and Thomas,J.(2005). Gambling with addiction: Dangerous beliefs about smoking and diabetes.*Diabetes Voice Smoking and diabetes*, Vol.50:pp.15-18.
- Haldar,S.R., Chakrabarty,A., Chowdhury,S. and Haldar,A.(2015). Oxidative Stress-Related Genes in Type 2 Diabetes: Association Analysis and Their Clinical Impact.*Biochemical Genetics*, Vol. 53(4-6): pp.93-119
- Halkjaer J, Tjonneland A, Thomsen BL, Overvad K, Sørensen TIA. Intake of macronutrients as predictors of 5-y changes in waist circumference. *Am J Clin Nutr*. 2006;84:789–797
- Hamissou,M., Smith,A.C., Carter,R.E. and Triplett,J.K.(2013). Antioxidative properties of bitter gourd (*Momordica charantia*) and zucchini (*Cucurbita pepo*). *Emirates Journal of Food and Agriculture*. Vol. 25(9): pp.349-62.

- Hansen, L. (2003). Candidate genes and late-onset type 2 diabetes mellitus. Susceptibility genes or common polymorphisms? *Danish Medical Bulletin*, Vol.50: pp.320-346.
- Hasan I, Khatoon S. Effect of *Momordica charantia* (bitter gourd) tablets in diabetes mellitus: Type 1 and Type 2. *Prime Res Med (PROM)* 2012;2(2):72–74.
- Hazarika, R., Parida, P., Neog, B. and Yadav, R.N.S. (2012). Binding Energy calculation of GSK-3 protein of Human against some anti-diabetic compounds of *Momordica charantia* linn (Bitter melon). *Bioinformation*, Vol. 8(6): pp.251-254.
- Heianza, Y., Hara, S. and Arase, Y. (2011). HbA1c 5.7–6.4% and impaired fasting plasma glucose for diagnosis of prediabetes and risk of progression to diabetes in Japan (TOPICS 3): a longitudinal cohort study. *Lancet*, Vol.378:pp.147–5.
- Henson, S, Masakure O and Cranfield J, The propensity for consumers to offset health risks through the use of functional foods and nutraceuticals: The case of lycopene. *Food quality and preference* 19: 395-406 (2008).
- Ho, S.C., Chen, Y.M., Woo, J.L., Leung, S.S., Lam, T.H. and Janus, E.D. (2001). Association between simple anthropometric indices and cardiovascular risk factors. *International Journal of Obesity Related and Metabolism Disorders*, Vol.25: pp.689–1697.
- Hooda, S., Matte, J.J., Vasanthan, T. and Zijlstra, R.T. (.....). Dietary Oat  $\beta$ -Glucan Reduces Peak Net Glucose Flux and Insulin Production and Modulates Plasma Incretin in Portal-Vein Catheterized Grown Pigs. *The Journal of Nutrition* *Nutrient Physiology, Metabolism and Nutrient-Nutrient Interactions*,
- Hsu, W.C., Rosario, G.M., Araneta, Kanaya, A.M., Chiang, J.L. and Fujimoto, W. (2015). BMI Cut Points to Identify At-Risk Asian Americans for Type 2 Diabetes Screening. *Diabetes Care*, Vol.38(1):pp.150-158.
- [http://www.who.int/chp/chronic\\_disease\\_report/full\\_report.pdf](http://www.who.int/chp/chronic_disease_report/full_report.pdf)
- Hu, F.B. (2011). Globalization of diabetes: the role of diet, lifestyle and genes. *Diabetes Care*, Vol.34(6):pp.1249-57.
- Hu, F.B., Li, T.Y., Colditz, G.A., Willett, W.C. and Manson, J.E. (2003). Television watching and other sedentary behaviors in relation to risk of obesity and type 2 diabetes mellitus in women. *Journal of the American Medical Association*, Vol.289: pp.1785-1791.

- Huang,H.L., Hong,Y.W. and Wong,Y.H.(2008). Bitter melon(*Momordica charantia* L.) inhibits adipocyte hypertrophy and down regulates lipogenic gene expression in adipose tissue of diet-induced obese rats.*British Journal of Nutrition*, Vol. 99(2): pp.230–239.
- Hudson,T. (2012). Nutrient profile: Bitter melon (*Momordica charantia*). *Natural Medicine Journal*,Vol. 4(10):pp.1-5.
- Huffman,M.D., Prabhakaran,D., Osmond,C., Fall,C.H., Tandon,N., Lakshmy,R., Ramji,S., Khalil,A., Gera,T., Prabhakaran,P., Biswas,S.K., Reddy,K.S., Bhargava,S.K. and Sachdev,H.S. (2011). Incidence of cardiovascular risk factors in an Indian urban cohort results from the New Delhi birth cohort. *Journal of American College of cardiology*, Vol.57(17):pp.1765-74.
- ICMR, 2006, Indian Council Of Medical Research , Ethical guidelines for biomedical research on human participants, Printed at M/s Royal Offset Printers, New Delhi, pp.1-15
- ICMR. (2004). Study on Assessment of burden of Non-Communicable Diseases in India.
- ICMR.(2010). Nutrient requirements and recommended dietary allowances for Indians, pp. 12.
- IDF. (2014), International Diabetes Federation- IDF Diabetes Atlas, 6th edn. Brussels: International Diabetes Federation.
- IDF.(2011(International Diabetes Federation), IDF Diabetes Atlas, 5th edn. Brussels: International Diabetes Federation.
- IIPS. (2007).International Institute for Population Sciences (IIPS) and Macro International, “National Family Health Survey (NFHS-3), 2005-06: India: Vol. I.Mumbai.
- India Disease Incidence and Prevalence Report.(2013) Report #CS303IN - April 2013. <http://www.medtechinsight.com/ReportCS303IN.html>
- International Diabetes Federation (2013). Diabetes atlas, sixth edition: [www.diabetesatlas.org](http://www.diabetesatlas.org)
- International Diabetes Federation. (2013). Diabetes atlas, sixth edition: [www.diabetesatlas.org](http://www.diabetesatlas.org)
- Irvine,L., Elliott,L., Wallace,H. and Crombie,I.K.(2006). A review of major influences on current public health policy in developed countries in the second half of the 20th century. *Journal of the Royal Society for the Promotion of Health's*, Vol. 126(2):pp.73-78.

- Islam,S., Jalaluddin,M. and Hettiarachchy,S.N.(2011). Bio-active compounds of bitter melon genotypes (*Momordica charantia* L.) in relation to their physiological functions. *Functional Food Health and Disease*, Vol. 2: pp.61-74.
- Jafari,A.A., Hosseini,E.S., Karimi,F. and Pajouhi,M.(2008). Effects of sour cherry juice on blood glucose and some cardiovascular risk factors improvements in diabetic women, A pilot study.*Nutrition and Food Science*, Vol. 38(4):pp.355-360.
- Jayawardena,R., Ranasinghe,P., Byrne,N.M., Soares,M.J., Katulanda,P. and Hillset,A.P.(2012). Prevalence and trends of the diabetes epidemic in South Asia: a systematic review and meta-analysis. *BMC Public Health*, Vol. 380 (12): pp.1-11.
- Jellinger. and Paul,S.(2009). What You Need to Know about Prediabetes. *Power of Prevention. American College of Endocrinology*, Vol.1(2):pp.52.
- Joseph,B. and Jini,D.(2013). Antidiabetic effects of *Momordica charantia* (bitter melon) and its medicinal potency.*Asian Pacific Journal of Tropical Disease*, Vol.3: pp.93-102.
- Joshi,S.R.(2005), Indian Diabetes Risk Score , *Journal of Associations of Physicians of India* , Vol. 53(9):pp.755-757.
- Joshi,S.R., Das,A.K. and Vijay,V.J.(2008). Challenges in diabetes care in India: sheer numbers, lack of awareness and inadequate control. *Journal of Association of Physicians in India*, Vol.56:pp.443-50.
- Joshi,S.R., Mohan,V., Joshi,S.S., Mechanick,J.I. and Marchetti,A. (2012). Transcultural Diabetes Nutrition Therapy Algorithm: The Asian Indian Application. *Current Diabetes Reports*, Vol.12(2):pp.204–212.
- Justin,J. and Sherman,M.C.S.( 2005). The Impact of Smoking and Quitting Smoking on Patients with Diabetes.*Diabetes Spectrum*, Vol.18(4):pp.202-208.
- Kapur,A.(2007). Economic analysis of diabetes care. *Indian Journal of Medical Research*, Vol.125:pp.473-82.
- Karve,A. and Hayward,R.A.(2010). Prevalence, diagnosis, and treatment of impaired fasting glucose and impaired glucose tolerance in nondiabetic U.S. adults. *Diabetes Care*. Vol. 33(11): pp.2355-2359.
- Kasper, Braunwald, Fauci, Hauser, Longo and Jameson. (2005). Diabetes Mellitus. *Harrison's Principles of Internal Medicine; Alvin C.Powers.16<sup>th</sup> Edition*, Vol. 2: pp.2152–2185.

- Katikireddi,S.V., Morling,J.R. and Bhopal,R. (2011). Is there a divergence in time trends in the prevalence of impaired glucose tolerance and diabetes? A systematic review in South Asian populations. *International Journal of Epidemiology*, Vol.40:pp.1542-1553.
- Katulanda,P., Ranasinghe,P., Jayawardena,R., Sheriff, .R. and Matthews, D.R,(2015). The influence of family history of diabetes on disease prevalence and associated metabolic risk factors among Sri Lankan adults, *Diabetes Medicine*, Vol.32(3):pp.314-23.
- Kaveeshwar,S.A. and Cornwall,J.(2014). The current state of diabetes mellitus in India. *The Australasian Medical Journal*,Vol. 7(1): pp.45-48.
- Keller AC, Ma J, Kavalier A, He K, Brillantes AM, Kennelly EJ. Saponins from the traditional medicinal plant *Momordica charantia* stimulate insulin secretion *in vitro*. *Phytomedicine*. 2011;19:32–37.
- Kelly,I. (2005). Advertising Vs Marketing: the ethical challenge, Boca raton publishing, Florida, USA, pp.62.
- Kelly,T, Yang,W., Chen,C.S., Reynolds,K. and He,J. (2008). Global burden of obesity in 2005 and projections to 2030. *International Journal of Obesity*, Vol.32: pp.1431-1437.
- Kendall,C.W., Josse,A.R., Esfahani A. and Jenkins,D.J. (2010). Nuts, metabolic syndrome and diabetes. *British Journal of Nutrition*, Vol. 104(4):pp.465-73.
- Khan,M.U. (2012). Lifestyle modification in the prevention of Type II diabetes mellitus. *Oman Medical Journal*, Vol. 27(2):pp 170–171.
- Kolawole,O.T, Abiona,F.E, Kolawole,S.O. and Ayankunle,A.A. (2011). Effect of *Momordica charantia* fruit extract on normal and alloxan-induced diabetic rats. *International J Pharmacology*, Vol. 7(4):pp.532-535.
- Koppes,L.L., Dekker,J.M., Hendriks,H.F., Bouter,L.M. and Heine,R.J.(2005). Moderate alcohol consumption lowers the risk of type 2 diabetes: a meta-analysis of prospective observational studies. *Diabetes Care*, Vol.28(3): pp.719-725.
- Kubola,J. and Siriamornpun,S.(2008). Phenolic contents and antioxidant activities of bitter gourd (*Momordica charantia* L.) leaf stem and fruit fraction extracts in vitro. *Food Chemistry*, Vol. 110: pp.881-890.

- Kumar,D.S., Sharathnath,K.V., Yogeswaran,P., Harani,A., Sudhakar,K., Sudha,P. and Banji,D. (2010).A medicinal potency of *Momordica charantia*. *International Journal of Pharmaceutical Sciences Review and Research*,Vol.1(2):pp.95.
- Kumar,G.S., Neeraj,K. and Khare,S. (2014). A study of diabetes prevalence and its risk factors in the medical college faculty of Bhopal, Madhya Pradesh. *Austin Journal of Endocrinology Diabetes*,Vol.1(2): pp.1-3.
- Kumar,R., Balaji,S., Uma,T.S. and Sehgal,P.K.(2009). Fruit extracts of *Momordica charantia* potentiate glucose uptake and up-regulate Glut-4, PPAR $\gamma$  and PI3K. *Journal of Ethnopharmacology*, Vol.126: pp.533–537.
- Kumapatla,S., Kothandan,H. and Tharkar,S.(2013). The costs of treating long term diabetic complications in a developing country: A study from India. *Journal of Associations of Physicians of India*, Vol.61: pp.17.
- Kwak,J.H., Lee,J.H. and Ahn,C.W. (2010). Black soy peptide supplementation improves glucose control in subjects with prediabetes and newly diagnosed type 2 diabetes mellitus. *Journal of Medicinal Food*, Vol.13:pp.1307-1312.
- Kyung,E.K., JungSug,L., Ok,H.H. and Hie,Y.H. (2009). Association between glycemic index, glycemic load, dietary carbohydrates and diabetes from Korean National Health and Nutrition Examination Survey 2005.*Korean Journal of Nutrition*,Vol. 42(7): pp.622-630.
- Landaeta-Diaz,L., Fernandez,J.M. and Silva-Grigoletto,M.D.(2013). Mediterranean diet, moderate-to-high intensity training, and health-related quality of life in adults with metabolic syndrome. *European Journal of Preventive Cardiology*, Vol.2(4): pp.555–564.
- Larsen,T.M., Dalskov,S.M., Van Baak. M et al., (2010). Diets with high or low protein content and glycemic index for weight-loss maintenance. *New England Journal of Medicine*, Vol. 363(22): pp.2102–13.
- Larsson,S.C. and Wolk,A. (2011). Diabetes mellitus and incidence of kidney cancer: a meta-analysis of cohort studies. *Diabetologia*,Vol.54:pp.1013-1018.
- Ling,C. and Groop,L.(2009). Epigenetics: A molecular link between environmental factors and type 2 diabetes. *Diabetes*, Vol.58: pp.2718-2725.
- Litwak, Goh,S.Y., Hussein,Z., Malek,R., Prusty,V. and Khamseh,M.E. (2013). Prevalence of diabetes complications in people with type 2 diabetes mellitus and its association with baseline characteristics in the multinational A1chieve study Leon. *Diabetology and Metabolic Syndrome*, Vol.57(5): pp.1-10.

- 
- Lyssenko,V. and Laakso,M.(2013). Genetic screening for the risk of Type 2 diabetes.*Diabetes Care*, Vol.36(2):pp.S120-S126.
- Ma,R.C. and Chan,J.C.(2009). Pregnancy and diabetes scenario around the world: China. *International Journal of Gynecology and Obstetrics*, Vol.104(1): pp.S42-S45.
- Madaan,H., Agrawal,P., Garg,R.,Sachdeva,A., Partra,S.K. and Nair,R.(2014). Prevalence of diabetes mellitus in rural population of district Sonapat, India.*International Journal of Medical Science and Public Health*,Vol.3(3): pp.261-264.
- Maghbooli, Pasalar,P., Keshtkar,A., Farzadfar,F. and Larijani,B.(2014). Predictive factors of diabetic complications: a possible link between family history of diabetes and diabetic retinopathy. *Journal of Diabetes and Metabolic Disorders*, Vol.13:pp.55.
- Maina,W.K., Ndegwa,Z.M., Njenga,E.W. and Muchemi,E.W.(2011). Knowledge, attitude, and practices related to diabetes among community members in four provinces in Kenya: a cross-sectional study.*African Journal of Diabetes Medicine*, Vol.19(1): pp.15-18.
- Maiti,R., Satya,P., Rajkumar,D. and Ramasamy,A.(2012). Crop plant anatomy.CPI Group (UK) Ltd, Croydon,CRO 4YY.
- Mamun,M.A.M.(2011). A study on hypoglycaemic effects of *momordica charantia* (wild variety) in alloxan induced type 2 diabetic long-evans rats. *Clinical Biochemistry*, Vol. 44(13): pp.S116.
- Martini,L.A., Catania,A.S. and Ferreira,S.R.(2010).Role of vitamins and minerals in prevention and management of type 2 diabetes mellitus. *NutritionReviews*.Vol. 68(6):pp.341-54.
- Mason,C.C., Hanson,R.L. and Knowler,W.C.(2007).Progression to type 2 diabetes characterized by moderate then rapid glucose increases. *Diabetes*, Vol. 56:pp.2054–61.
- Masrizal,M.A., Giraud,D.W. and Driskell,J.A. (1997). Retention of vitamin C, iron, and beta-carotene in vegetables prepared using different cooking methods. *Journal of Food Quality*, Vol. 20(5):pp.403–418.
- McCarthy,M.I. (2010). Genomics, type 2 diabetes, and obesity. *New England Journal of Medicine*, Vol.363:pp.2339-2350.

- Minnie,A.U. and Rattigan,S. (2012). Barriers to the management of Diabetes Mellitus – is there a future role for Laser Doppler Flowmetry?*Australasian Medical Journal*, Vol.5(12):pp.627–32.
- Misra,A., Sharma,R., Gulati,S., Joshi,S.R., Sharma,V. and Ghafoorunissa. (2011). Consensus dietary guidelines for healthy living and revention of obesity, the metabolic syndrome, diabetes, and related disorders in Asian Indians. *Diabetes Technology and Therapeutics*.Vol.13:pp.683–94.
- Mitra,A. and Bhattacharya,D. (2006). “Effect of fatty substances on health particularly to patients suffering from NIDDM and dyslipidaemia.” *Journal of Interacademia*, Vol. 10(1):pp.74-85.
- Mitri,J., Dawson-Hughes,B. and Hu,F.B.(2011). Effects of vitamin D and calcium supplementation on pancreatic  $\beta$  cell function, insulin sensitivity, and glycemia in adults at high risk of diabetes: the calcium and vitamin D for diabetes mellitus (CaDDM) randomized controlled trial. *American Journal of Clinical Nutrition*, Vol.94(2):pp.486–494.
- Mohammady,I., Elattar,S., Mohammed,S. and Ewais,M. (2012).An evaluation of anti-diabetic and anti-lipidemic properties of *Momordica charantia* (Bitter Melon) fruit extract in experimentally induced diabetes.*Life Science Journal*, Vol.9(2): pp.364-373.
- Mohan,V. and Pradeepa,R.(2009).Epidemiology of diabetes in different regions of India.*Health Administrator*, Vol. 22(1& 2):pp.1-18.
- Mohan,V., Deepa,R., Deepa,M., Somannavar,S. and Datta,M. (2005). A simplified Indian Diabetes Risk Score for Screening for Undiagnosed Diabetic subjects.*Journal of Associations of Physicians of India*, Vol. 53(7): pp.59-63.
- Mohan,V., Sandeep,S., Deepa,R. Shah,B. and Varghese,C. (2007). Epidemiology of type 2 diabetes: Indian scenario. *Indian Journal of Medical Research*, Vol.125(3):pp.217-230.
- Mohan,V., Seshiah,V., Sahay,B.K., Shah,S.N., Rao,P.V. and Banerjee,S.(2012). Current status of management of diabetes and glycaemic control in India: Preliminary results from the DiabCare India 2011 Study. *Diabetes*, Vol.61:pp.a645–a677.
- Mohan,V., Shanthirani,C.S. and Deepa,R. (2003). Chennai Urban Population Study (CUPS 14). Glucose intolerance (diabetes and IGT) in a selected south Indian population with special reference to family history, obesity and lifestyle factors.*Journal of Associations of Physicians of India*, Vol. 51: pp.771–777

- Mohan,V., Yackoob,K., Seedat, and Pradeepa,R.(2013). The rising burden of diabetes and hypertension in Southeast Asian and African regions: Need for effective strategies for prevention and control in primary health care settings.*International Journal of Hypertension*, Vol. pages
- Monga,S. (2004).*Obesity among School Children (7–9 Years Old) in India: Prevalence and Related Factors*. American Public Health Association: Washington, DC.
- Murray,C.J.L., Vos,T. and Lozano,R. (2010). Disability-Adjusted Life Years (DALYs) for 291 diseases and injuries in 21 regions, 1990–2010: A systematic analysis for the global burden of disease study 2010.*Lancet*, Vol.380: pp.2197–2223.
- Musaiger,A. (2011). Food consumption patterns in eastern Mediterranean countries, Publishers.Arab Center for Nutrition. Manamah, Bahrain, pp.73-80
- Muthukumar. (2013). Treatment of diabetes through acupuncture. *International Journal of Social Science & Interdisciplinary Research*, Vol. 2(2):pp.175-188.
- Nakagami,T., Qiao,Q., Carstensen,B., Nhr-Hansen,C., Hu,G., Tuomilehto,J., Balkau,B. and Borch-Johnsen,K.(2003). Age, body mass index and Type 2 diabetes-associations modified by ethnicity. *Diabetologia*, Vol.46:pp.1063-1070.
- Narayana,A.and Subhose,V. (2005). Standardization of Ayurvēdic formulations: a scientific review.*Bulletin Indian Institute of Historical Medicine*, Vol.35(1): pp.21-32.
- Narayanappa,D., Rajani,H.S., Mahendrappa,K.B. and Prabhakar,A.K. (2010).Prevalance of prediabetes in School Going Children. *Indian Pediatrics*, Vol.48:pp.295–299.
- Nathan,D.M., Davidson,M.B. and DeFronzo,R.A. (2007). For the American Diabetes Association. Impaired fasting glucose and impaired glucose tolerance: implications for care. *Diabetes Care*, Vol. 30: pp.753–759.
- National Diabetes Statistics Report.(2014). Centers for Disease Control and Prevention. National Diabetes Statistics Report: Estimates of Diabetes and Its Burden in the United States, 2014. Atlanta, GA: U.S. Department of Health and Human Services.
- National Institute for Health and Care Excellence. (2011). PH35. Preventing type 2 diabetes: population and community-level interventions. London.
- NDEP. (2011).[http://ndep.nih.gov/media/numatglance\\_eng-508.pdf](http://ndep.nih.gov/media/numatglance_eng-508.pdf), Updated March 2011.

- Nerurkar,P.V., Johns,L.M., Buesa,L.M., Kipyakwai,G., Volper,E., Sato,R., Shah,P., Feher,D., Williams,P.G. and Nerurkar,V.R.(2011). *Momordica charantia* (bitter melon) attenuates high-fat diet-associated oxidative stress and neuroinflammation.*Journal of Neuroinflammation*, Vol.8(64):pp.1-19.
- Nerurkar,P.V., Lee,K.Y. and Nerurkar,R.V.(2010). *Momordica charantia* (bitter melon) inhibits primary human adipocyte differentiation by modulating adipogenic genes.*BMC Complementary Alternative Medicine*, pp.10-34.
- Nerurkar,P.V., Lee,Y.K., Motosue,M., Adeli,K. and Nerurkar,V.R. (2008). *Momordica charantia* (bitter melon) reduces plasma apolipoprotein B-100 and increases hepatic insulin receptor substrate and phosphoinositide-3 kinase interactions. *British Journal of Nutrition*,Vol. 100:pp.751-759.
- Neufeld,L.M., Jones-Smith,J.C., Garcia,R. and Fernald,L.C. (2008).Anthropometric predictors for the risk of chronic disease in non-diabetic, non- hypertensive young Mexican women. *Public Health Nutrition*, Vol.11(2): pp.159–167.
- Nichols,G.A., Hillier,T.A. and Brown,J.B.(2007). Progression from newly acquired impaired fasting glucose to type 2 diabetes. *Diabetes Care*, Vol. 30(2): pp. 228–233.
- Nikooyeh,B., Neyestani, T.R. and Farvid,M.(2014). Daily consumption of vitamin D or vitamin D + calcium- fortified yogurt drink improved glycemic control.*Journal of Human Nutrition and Dietetics*, Vol.;27( Suppl 2):pp.276-83.
- NIMS. (2009). National Institute of Medical Statistics, New Delhi. Non communicable disease risk factor survey: 2007-08. Integrated disease surveillance project (IDSP). Phase I states.
- Nkambo,W., Anyama,N.G. and Onegi,B. (2013). In vivo hypoglycemic effect of methanolic fruit extract of *Momordica charantia* L.*African Health Sciences*,Vol. 13: pp.933-939.
- Norris,S.A., Osmond,C., Gigante,D., Kuzawa,C.W., Ramakrishnan.L., Lee,N.R., Ramirez-Zea,M., RichterL,M., Stein,A.D., Tandon,N. and Fall,C.H.(2012). Size at birth, weight gain in infancy and childhood, and adult diabetes risk in five low- or middle-income country birth cohorts. *Diabetes Care*, Vol. 35: pp.72-79.
- North Carolina Department of Health and Human Services. (2013), Division of Public Health, State Center for Health Statistics. Behavioral Risk Factor Surveillance System (BRFSS). Accessed at [www.schs.state.nc.us/schs/brfss/2012/nc/all/prediab1.html](http://www.schs.state.nc.us/schs/brfss/2012/nc/all/prediab1.html). on May 23, 2015

- Ocvirk,S., Kistler,M., Khan,S., Talukder,H.S. and Hauner,H. (2013). Traditional medicinal plants used for the treatment of diabetes in rural and urban areas of Dhaka, Bangladesh – An ethnobotanical survey.*Journal of Ethnobiology and Ethnomedicine*,Vol. 9(43):pp.1-8.
- Ozougwu,J.C., Obimba,K.C., Belonwu,C.D. and Unakalamba,C.B. (2013). The pathogenesis and pathophysiology of type 1 and type 2 diabetes mellitus.*Journal of Physiology and Pathophysiology*, Vol. 4(4): pp.46-57.
- Padiya,R., Khatua,T.N., Bagul,P.K., Kuncha,M. and Banerjee, S.K. (2011).Garlic improves insulin sensitivity and associated metabolic syndromes in fructose fed rats.” *Nutrition and Metabolism*, Vol. 8(53):pp.1-6.
- Pamidi,S. and Tasali,E. (2012). Obstructive Sleep Apnea and Type 2 Diabetes: Is There a Link? *Frontiers in Neurology*, Vol.3:pp.126.
- Pampel,F.C., Krueger,P.M. and Denney,J.T. (2010). Socioeconomic Disparities in Health Behaviors. *Annual Review of Sociology*,Vol.36: pp.349–370.
- Pan,C.(2005). Diabetes care in China: meeting the challenge. *World Hospital Health Service*, Vol.41:pp.29–30.
- Parmer,K., Patel,S., Patel,J., Patel,B. and Patel,M.B. (2011). Effects of bittergourd (*Momordica Charantia*) fruit juice on glucose tolerance and lipid profile in Type II diabetic rats., *International Journal of Drug Development & Research*,Vol.3(2): pp.139-146.
- Patel,P., Harde,P., Pillai,J.,Darji,N. and Patel,B.(2012). Sat Kaival College Of Pharmacy Pharmacophore (*An International Research Journal Antidiabetic Herbal Drugs A Review Available Online At Review Article Pharmacophore*). Vol. 3: pp.18-29.
- Patil,S.A. and Patil,S.B. (2011). Toxicological studies of *Momordica charantia* Linn Seed extracts in Male Mice. *International Journal of Morphology*,Vol. 29(4): pp.1212-1218.
- Paul,A. and Raychaudhuri,S.S.(2010). Medicinal uses and molecular identification of two *Momordica charantia* varieties – a review.*Electronic Journal of Biology*, Vol. 6(2): pp.43-51.
- Perera,P.K. and Li,Y.(2001). Mushrooms as a functional food mediator in Preventing and ameliorating diabetes.*Functional Foods in Health and Disease*, Vol.4: pp.161-171.
- Peter E. NIH (2014) file:///D:/review/Causes\_of\_Diabetes\_508.pdf

- Phielix,E. and Mensink,M. (2008). Type 2 diabetes mellitus and skeletal muscle metabolic function. *Physiology and Behavior*, Vol.94:pp.252–58.
- Piłaciński,S., Zozulińska and Ziółkiewicz,D.A. (2014). Influence of lifestyle on the course of type 1 diabetes mellitus. *Archives of Medical Science: AMS*, Vol. 10(1):pp.124–134.
- Ping ,H., Zhang,G. and Ren,G.(2010). Antidiabetic effects of cinnamon oil in diabetic KK-Ay mice. *Food Chemistry and Toxicology*, Vol.48(8-9):pp.2344–9.
- Pitipanapong,J., Chitprasert,S., Goto,M., Jiratchariyakul,W., Sasaki,M. and Shotipruk,A. (2007). New approach for extraction of charantin from *Momordica charantia* with pressurized liquid extraction. *Separation and Purification Technology*, Vol.52: pp.416-22.
- Platel,K. and Srinivasan,K.(1997). Plant foods in the management of diabetes mellitus: Vegetables as potential hypoglycaemic agents. *Nahrung*, Vol.4:pp. 68–74.
- Popovich,D.G., Li,L. and Zhang,W.(2010). Bitter melon (*Momordica charantia*) triterpenoid extract reduces preadipocyte viability, lipid accumulation and adiponectin expression in 3T3-L1 cells. *Food Chemistry and Toxicology*, Vol.48: pp.1619–1626.
- Pottie,K., Greenaway,C., Feightner,J., Welch,V., Swinkels,H., Rashid, M., coauthors of the Canadian Collaboration for Immigrant and Refugee Health. (2011). Evidence-based clinical guidelines for immigrants and refugees. *CMAJ*: *Canadian Medical Association Journal*, Vol.183(12):pp.E824–E925.
- Poudel,R. and Adhikari,B.(2013). Diabetes in the Himalayas: Psychosocial barriers and solutions. *Journal of Social Health Diabetes*, Vol.1:pp.66.
- Prescribing and Primary Care Team. (2013). Health and Social Care information Centre. Quality and Outcomes Framework Achievement, prevalence and exceptions data, 2012/13. London, 2013.
- Rahman,U., Bashir,M., Salman,M., Idrees,M. and Khan,M.I.(2011). Bitter Melon (*Momordica Charantia*) Reduces Serum Sialic Acid in Type2 Diabetics: Evidence to Delay the Process of Atherosclerosis. *Chinese Medicine*, Vol. 2: pp.125-129.
- Ramachandran,A. (2007). A socio-economic burden of diabetes in India. *Supplementary Journal of Association of Physicians of India*, Vol. 55:pp.9-12.
- Ramachandran,A. and Snehalatha,C. (2009). Current scenario of diabetes in India. *Journal of Diabetes*, Vol.1(1):pp.18-28.

- Ramachandran,A. Snehalatha,C. and Shetty,A.S.(2012). Trends in prevalence of diabetes in Asian countries. *World Journal of Diabetes*, Vol.3(6):pp.110-7.
- Ramachandran,A., Ma,RC. and Snehalatha,C. (2010). Diabetes in Asia.*Lancet*, Vol. 375: pp.408–418.
- Ramachandran,A., Mary,S. and Yamuna,A. (2008) High prevalence of diabetes and cardiovascular risk factors associated with urbanization in India. *Diabetes Care*, Vol.31(5):pp.893-8.
- Ramanakumar,V.(2005). An overview of occupational health research in India. *Indian Journal of Occupational and Environmental Medicine*, Vol. 9(1): pp.10-14.
- Rao,C.R., Kamath,V.G., Shetty,A. and Kamath,A. (2011). A cross-sectional analysis of obesity among a rural population in coastal southern Karnataka, India. *Australas Medical Journal*, Vol.4(1):pp.53–57.
- Rao,R.M., Salem,F.A. and Gleason-Jordan,I.(1998). Antidiabetic effects of a dietary supplement “pancreas tonic”. *Journal of Natural Medical Association*,Vol. 10: pp.614- 618.
- Ratna,B., Ray,R.B. , Raychoudhuri, A., Steele, R. and Nerurkar, P.(2010).Bitter Melon (*Momordica charantia*) extract inhibits breast cancer cell proliferation by modulating cell cycle regulatory genes and promotes apoptosis.*Cancer Research*, Vol.70(5): pp.1925–31.
- Ray,R.B. , Raychoudhuri, A., Steele, R. and Nerurkar, P.(2010).Bitter Melon (*Momordica charantia*) extract inhibits breast cancer cell proliferation by modulating cell cycle regulatory genes and promotes apoptosis, *Cancer Research*, Vol.70.(5): pp.1925–31
- Report of the Technical Group [11th Five Year Plan: 2007-12] on Estimation of Urban Housing Shortage,Government of India, Ministry Of Housing and Urban Poverty Alleviation, pp-13. <http://mhupa.gov.in/ministry/housing/HOUSINGSHORTAGE-REPT.pdf>
- Roglic,G. and Unwin,N.(2010). Mortality attributable to diabetes: Estimates for the year 2010. *Diabetes Research and Clinical Practice*,Vol. 87: pp.1 5-19.
- Runchey,S.S., Pollak,M.N., Valsta,L.M., Coronado,G.D., Schwarz,Y., Brey Meyer,K.L. and Neuhouser,M.L. (2012). Glycemic load effect on fasting and post-prandial serum glucose, insulin, IGF-1 and IGFBP-3 in a randomized, controlled feeding study. *European Journal of Clinical Nutrition*, Vol.66(10): pp.1146–1152.

- Sanghera,D.K. and Blackett,P.R.(2012).Type 2 diabetes genetics: Beyond GWAS. *Journal of Diabetes Metabolism*, Vol.3(198): pp.ii6948.
- Santha,B., Sudheer,H., Saxena,V. and Tiwari,V. (2015). Qualitative research in dental public health care: An overview.*The Pharma Innovation Journal*, Vol. 4(2): pp.83-86.
- Sapwarobol,S., Adisakwattana,S., Changpeng,S., Ratanawachirin,W., Tanruttanawong, K. and Boonyarit,W. (2012). Postprandial blood glucose response to grape seed extract in healthy participants: A pilot study. *Pharmacognosy Magazine*, Vol.8(31):pp.192-6.
- Sartore,G., Reitano,R., Barison,A., Magnanini,P., Cosma,C., Burlina,S., Manzato,E., Fedele,D. and Lapolla,A. (2009). The Effects of Psyllium on Lipoproteins in Type II Diabetic Patients. *European Journal of Clinical Nutrition*, Vol.63:pp.1269-1271.
- Sarwar,N., Gao,P., Seshasai,S.R.(2010). Diabetes mellitus, fasting blood glucose concentration, and risk of vascular disease: A collaborative meta-analysis of 102 prospective studies. *Lancet*,Vol.375:pp.2215–22.
- Scartezzini,P. and Sproni,E. (2002). Review on some plants of Indian traditional medicine with antioxidant activity. *Journal of Ethnopharmacology*, Vol.71: pp.23–43.
- Schwarz,P.E., Greaves,C.J., Lindström,J., Yates.T. and Davies,M.J. (2012). Non pharmacological interventions for the prevention of type 2 diabetes mellitus.*Nature Reviews Endocrinology*,Vol. 8:pp.363-373.
- Seshasai,S.R., Kaptoge,S. and Thompson,A.(2011).Diabetes mellitus, fasting glucose, and risk of cause-specific death. *New England Journal of Medicine*, Vol.364:pp.829–41.
- Shah,G.M., Khan,M.A., Ahmad,M., Zafar,M. and Khan,A.A. (2013). Observations on antifertility and 938 African Health Sciences Vol. 13 abortifacient herbal drugs. *African Journal of Biotechnology*, 2009; Vol. 8(9): pp.1959-1964.
- Shah,K.A., Patel,M.B., Patel,R.J. and Parmar,P.K. (2010). *Mangifera indica* (mango), *Pharmacognosy Reviews*, Vol. 4:pp.42–48.
- Sharma,S., Sharma,M.C., Kohlib,D.V. and Chaturvedi,S.C. (2009). School of Pharmacy, Devi Ahilya Vishwavidyalaya, Khandwa Road, Indore. Formulation, Evaluation, Wound Healing Studies Of Benzene-95 % Absolute Ethanol Extract Of Leaves. *Journal of Optoelectronics and Biomedical Materials*,Vol. 1(4):pp.375–378.

- Shaw, J.E., Sicree, R.A. and Zimmet, P.Z. (2010). Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Research and Clinical Practice*, Vol. 87(1):pp.4–14.
- Shetty, A.K., Kumar, G.S., Sambaiah, K. and Salimath, P.V. (2005). Effect of bitter gourd (*Momordica charantia*) on glycaemic status in streptozotocin induced diabetic rats. *Plant Foods for Human Nutrition*, Vol. 60(3): pp.109-112.
- Shield, J., Lynn, R., Wan, K., Haines, L. and Barrett, T. (2009). Management and 1 year outcome for UK children with type 2 diabetes. *Archives of Disease in Childhood*, Vol.94: pp.206–209.
- Shih, C.C., Lin, C.H., Lin, W.L. and Wu, J.B. (2009). *Momordica charantia* extract on insulin resistance and the skeletal muscle GLUT4 protein in fructose-fed rats. *Journal of Ethnopharmacology*, Vol. 123(1):pp.82-90.
- Shirude, A.A. (2011). Phytochemical and pharmacological screening of Wheatgrass (*Triticum Aestivum* L.). *International Journal of Pharmaceutical Sciences Review and Research*, Vol.9(1):pp.159-164.
- Shobana, S., Sreeramam, Y.N. and Malleshi, N.G. (2009). Composition and enzyme inhibitory properties of finger millet (*Eleusine coracana* L.) seed coat phenolics: mode of inhibition of  $\alpha$ -glucosidase and pancreatic amylase. *Food Chemistry*, Vol.115:pp.1268–1273.
- Sies, H., Stahl, W. and Sevanian, A. (2005). Nutritional, dietary and postprandial oxidative stress. *Journal of Nutrition*, Vol.135(5):pp.969-72.
- Simone, F.T., Silva, F.M., Antonio, J.P., Azevedo, M.J., Canani, L.H.S. and Almeida, J.C. (2014). Adiposity markers and risk of coronary heart disease in patients with type 2 diabetes mellitus. *Nutrition Journal*, Vol.13(24):pp.1-7.
- Singh, J., Cumming, E., Manoharan, G., Kalasz, H. and Adeghate, E. (2011). Medicinal chemistry of the anti-diabetic effects of *Momordica Charantia*: active constituents and modes of actions. *The Open Medicinal Chemistry Journal*, Vol. 5(Supple 2-M2): pp.70-77.
- Singh, L.W. (2011). Traditional medicinal plants of Manipur as anti-diabetics. *Journal of Medicinal Plant Research*, Vol. 5(5):pp.677–687.
- Singh, N. and Gupta, M. (2007). Regeneration of beta cells of pancreas of alloxan diabetic rats by acetone extract of *M. charantia* fruits. *Indian Journal of Experimental Biology*, Vol. 45: pp.1055-1062.

- Sluik,D., Buijsse,B., Muckelbauer,R., Kaaks,R., Teucher,B., Johnsen,N.F., Tjønneland,A., Overvad.K., Ostergaard,J.N. andAmiano,P.(2012). Physical Activity and Mortality in Individuals with Diabetes Mellitus: A Prospective Study and Meta-analysis. *Archives of Internal Medicine*,Vol.172(17):pp.1285-95.
- Snee,L.S., Nerukar,V.R., Doolay,D.A., Efirt,J.T., Shovic,A.C. and Nerukar,P.V. (2011). Strategies to improve palatability and increase consumption intension for *Momocordia charantia* (bitter melon): A vegetable commonly used for diabetic management. *Nutrition Journal*, Vol. 10: pp.71-8.
- Solomon,T.P., Haus,J.M., Kelly,K.R., Cook,M.D., Filion,J., Rocco,M. andKirwan,J.P. (2010). A low–glycemic index diet combined with exercise reduces insulin resistance, postprandial hyperinsulinemia, and glucose-dependent insulinotropic polypeptide responses in obese, prediabetic humans.*The American Journal of Clinical Nutrition*, Vol.92(6):pp.1359–1368.
- Sosale,A., Kumar,K.M.P., Sadikot,S.M., Nigam,A., Bajaj,S., Zargar,A.H. and Singh, S.K. (2014). Chronic complications in newly diagnosed patients with Type 2 diabetes mellitus in India.*Indian Journal of Endocrinology and Metabolis*, Vol.18(3):pp.355-360.
- Soumya,D. and Srilatha. (2011). Late stage complications of diabetes and insulin resistance.*Journal of Diabetes Metabolism*, Vol.2(9): pp.1-9.
- Sridhar,M., Vinayagamoorthi,R., Suyambunathan,V.A., Bobby Z. and Selvaraj,N.(2008). Bitter gourd (*Momordica charantia*) improves insulin sensitivity by increasing skeletal muscle insulin-stimulated IRS-1 tyrosine phosphorylation in high-fat-fed rats. *British Journal of Nutrition*,Vol.99: pp.806–812.
- Srinivasan,K.(2005).Plant foods in the management of diabetes mellitus: spices as beneficial antidiabetic food adjuncts. *International Journal of Food Science and Nutrition*, Vol.56(6):pp.399-414.
- Srivastava,S., Lal,V.K. and Kamlesh,K.P.(2012). Polyherbal formulations based on Indian medicinal plants as antidiabetic phytotherapeutics. *Hytopharmacology*. Vol. 2(1):pp.1-15.
- Stull,A.J., Cash,K.C., Johnson,W.D., Champagne,C.M.and Cefalu,W.T.(2010).Bioactives in blueberries improve insulin sensitivity in obese, insulin-resistant men and women”. *The Journal of Nutrition*, Vol.140(10 ):pp.1764-1768.
- Suen,L.J., Huang,H.M.and Lee,H.H.(2014). A comparison of convenience sampling and purposive sampling, *Hu Li Za Zhi*, Vol.61(3):pp.105-11.

- Sui,Z., Turnbull,D. and Dodd,J. (2013). Enablers of and barriers to making healthy change during pregnancy in overweight and obese women. *Australasian Medical Journal*, Vol.6(11):pp.565–77.
- Tabák,A.G., Herder,C., Rathmann,W., Brunner,E.J. andKivimäki,M. (2012). Prediabetes and the risk of diabetes.*Lancet*,Vol. 379(9833): pp.2279–2290.
- Tabish,S.A. (2007). Is Diabetes Becoming the Biggest Epidemic of the Twenty-first Century? *International Journal of Health Sciences*, Vol.1(2): pp.V–VIII.
- Tabish,S.A. (2008). Complementary and Alternative Healthcare: Is it Evidence-based? *International Journal of Health Sciences*, Vol.2(1):pp.V–IX.
- Tamayo,T., Schipf,S., Meisinger,C., Schunk,M., Maier,W., Herder,C., Roden,M., Nauck,M., Peters,A., Völzke,H. and Rathmann,W. (2014). Regional Differences of Undiagnosed Type 2 Diabetes and Prediabetes Prevalence Are Not Explained by Known Risk Factors. *PLoS ONE*,Vol. 9(11):pp.113-154.
- Tewari,D., Sah, A.N., Pandey, H.K.and Meena,H.S.(2012). A Review on Phytoconstituents of Ocimum (Tulsi). *International Journal of Ayurvedic Medicine*,Vol. 3(1):pp.1-5.
- Tharkar,S. and Devarajan,A.(2010). The socio economics of diabetes from a developing country: A population based cost of illness study. *Diabetes Research and Clinical Practice*,Vol.89:pp.334-40.
- Tomé-Carneiro,J., Larrosa,M., González-Sarrías,A., Tomás-Barberán,F.A., García-Conesa,M.T. and Espín,J.C. (2013). Resveratrol and Clinical Trials: The Crossroad from In Vitro Studies to Human Evidence. *Current Pharmaceutical Design*, Vol.19(34):pp. 6064–6093.
- Tonding,S.F., Silva,F.M., Antonio,J.P., Azevedo,M.J., Canani,L.H. S. and Almeida,J.C. (2014). Adiposity markers and risk of coronary heart disease in patients with type 2 diabetes mellitus. *Nutrition Journal*, Vol.13(124):pp.1-7.
- Travier,N., Agudo,A. and May,A.M. (2012). Longitudinal changes in weight in relation to smoking cessation in participants of the EPIC-PANACEA study. *Preventive Medicine*, Vol.54:pp.183–92.
- Trichopoulou,A., Psaltopoulou,T., Orfanos,P., Hsieh,C.C. and Trichopoulos,D. (2007). Low-carbohydrate-high-protein diet and long-term survival in a general population cohort, *Euro pean Journal of Clinical Nutrition*,Vol. 61(5):pp. 575–581.
- Tsai,C.H., Chen,E.C.F. and Tsay,H.S. (2012). Wild bitter gourd improves metabolic syndrome: A preliminary dietary supplementation trial. *Nutrition Journal*, Vol.11:pp.4.

- Uehara, Akihiko (2014). *Prevalence of diabetes and pre-diabetes among workers: Japan Epidemiology Collaboration on Occupational Health Study, Diabetes Research and Clinical Practice*, Vol.106(1): pp.118–127.
- Unwin,N., Whiting,D., Gan,D., Jacqmain,O. and Ghyoot,.G, editors. (2009).IDF Diabetes Atlas. 4th ed. Brussels: International Diabetes Federation
- Unwin,N., Whiting,D., Guariguata,L., Ghyoot,G. and Gan,D.(2011). The IDF Diabetes Atlas, 5th edition. Brussels, Belgium: International Diabetes Federation, pp.7-12.
- Upadhyay,A., Agrahari,P. and Singh, D.K. (2015). A Review on Salient Pharmacological Features of *Momordica charantia*.*International Journal of Pharmacology*, Vol.11: pp.405-413.
- Valdez R, Seidell JC, Ahn YI, Weiss KM. (1993).A new index of abdominal adiposity as an indicator of risk for cardiovascular disease. A cross population study. *International Journal of Obesity and Related Metabolic Disorders*, Vol.17:pp.77–82.
- Valliyot,B., Sreedharan,J., Muttappallymyalil,J. and Valliyot,B.S.(2013). Risk factors of type 2 diabetes.*Diabetologia Croatica*, Vol.42(1):pp.33-40.
- Veghari,G., Sedaghat,M., Joshaghani,H., Banihashem,S., Moharloei,P, Angizeh,A., Tazik,E., Moghaddami,A., Tilaki,K.H. and Pasha,Y.Z. (2014). The association of fasting blood glucose (FBG) and waist circumference in northern adults in Iran: a population based study.*Journal of Diabetes Metabolism Disorders*, Vol. 13: pp.2-6.
- Verspohl,E.J.(2012).Novel pharmacological approaches to the treatment of type 2 diabetes.*Pharmacology Reviews*,Vol.64: pp.188–237.
- Vigersky,R.A.(2011). An overview of management issues in adult patients with type 2 diabetes mellitus. *Journal of Diabetes Science and Technology*, Vol.5(2): pp.245–250.
- Villegas R, Liu S, Gao YT, Yang G, Li H, Zheng W and Shu XO, Prospective study of dietary Carbohydrates, glycemic Index, glycemic Load, and incidence of Type 2 Diabetes Mellitus in middle-aged chinese women. *Arch Intern Med* 167(21):2310-2316 (2007).
- Waheed,A., Miana,G.A., Sharafatullah,T. and Ahmad,S.I.(2008). Clinical investigation of hypoglycemic effect of unripe fruit on *Momordica charantia* in type-2 (NIDDM) diabetes mellitus. *Pakistan Journal of Pharmacology*, Vol.25:pp.7-12.

- Wakabayashi, I. (2014). Relationship between smoking and metabolic syndrome in men with diabetes mellitus. *Metabolic Syndrome Related Disorder*, Vol.12(1):pp.70-8.
- Wan, X., Wang, X.B., Yang, M.H., Wang, J.S. and Kong, L.Y. (2011). Dimerization of piceatannol by *Momordica charantia* peroxidase and  $\alpha$ -glucosidase inhibitory activity of the biotransformation products. *Bioorganic and Medicinal Chemistry*, Vol. 19: pp.5085-5092.
- Wang, H., Kan, W., Cheng, T., Yu, S., Chang, L. and Chuu, J. (2014). Differential anti-diabetic effects and mechanism of action of charantin-rich extract of Taiwanese *Momordica charantia* between type 1 and type 2 diabetic mice. *Food and Chemical Toxicology*, Vol.69: pp.347-356.
- Wang, Y., Rimm, E.B., Stampfer, M.J., Willett, W.C. and Hu, F.B. (2005). Comparison of abdominal adiposity and overall obesity in predicting risk of type 2 diabetes among men. *American Journal of Clinical Nutrition*, Vol. 81: pp.555–563.
- Weaver, L.J. and Narayan, K.M. (2008). Reconsidering the history of type 2 diabetes in India: emerging or re-emerging disease? *National Medical Journal of India*, Vol.21: pp.288-91.
- Wehash, F.E., Ghanema, A.I. and Saleh, R.M. (2012). Some physiological effects of *Momordica charantia* and *Trigonella foenum-graecum* extracts in diabetic rats as compared with Cidophage®World. *Academy of Science, Engineering and Technology*, Vol. 64: pp.1206-1214.
- Wellek, S. and Blettner, M. (2012). On the Proper Use of the Crossover Design in Clinical Trials: Part 18 of a Series on Evaluation of Scientific Publications. *Deutsches Ärzteblatt International*, Vol.109(15):pp.276–281.
- WHO (2015). World Health Organization, Diabetes fact sheet N312, <http://www.who.int/mediacentre/factsheets/fs312/en/> last accessed on 22.06.2015.
- WHO, (2014) World Health Organization. Global Health Estimates: Deaths by Cause, Age, Sex and Country, 2000-2012. Geneva, WHO, 2014.
- WHO. (2004). The global burden of disease: 2004 update. Geneva, World Health Organization, 2008.
- WHO. (2008). Waist Circumference and Waist-Hip Ratio Report of a WHO Expert Consultation GENEVA, 8–11 DECEMBER 2008, pp.27-28

- WHO. (2012). Global status report on Non-Communicable diseases 2014. Geneva, World Health Organization, 2012.
- WHO. (2014). Non-Communicable diseases country profiles 2014. , WHO Press, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland, pp.18-36.
- WHO.(2004).WHO expert consultation. Appropriate body-mass index for Asian populations and its implications for policy and intervention strategies. *The Lancet*, pp.157-163.
- Wild,S., Roglic,G. and Green,A. (2004).Global prevalence of diabetes: estimates for the year 2000 and projections for 2030. *Diabetes Care*,Vol.27: pp.1047-53.
- Willi,C., Bodenmann,P., Ghali,W.A., Faris,P.D. and Cornuz,J.(2007). Active smoking and the risk of type 2 diabetes: A systematic review and meta-analysis. *Journal of the American Medical Association*, Vol. 298: pp.2654-2664.
- Wolden,K.,H., Overbergh,L. and Christesen,H.T.(2011). Vitamin D and diabetes: its importance for beta cell and immune function. *Molecular Cell Endocrinology*, Vol.347(1-2): pp.106–120.
- Wu,S.J. and Ng, L.T.(2010). Antioxidant and free radical scavenging activities of wild bitter melon (*Momordica charantia* Linn. var. *abbreviata* Ser.) in Taiwan, *LWT*, Vol.41: pp.323–330.
- Wu,Y., Ding,Y., Tanaka,Y. and Zhang,W.(2014).Risk factors contributing to Type 2 diabetes and recent advances in the treatment and prevention. *International Journal of Medical Sciences*,Vol.11(11): pp.1185-1200.
- [www.eeseehhealth.com](http://www.eeseehhealth.com)
- [www.ehow.com/info\\_8308329\\_eating-habits-indian-culture.html](http://www.ehow.com/info_8308329_eating-habits-indian-culture.html)-last accessed on 13.06.2014.
- [www.medicalhealthguide.com/articles/ampalaya.htm](http://www.medicalhealthguide.com/articles/ampalaya.htm)
- [www.nhs.uk/news/2014/06june/pages/one-in-three-adults-in-england-has-prediabetes.aspx](http://www.nhs.uk/news/2014/06june/pages/one-in-three-adults-in-england-has-prediabetes.aspx)
- [www.niddk.nih.gov/health-information/health-topics/Diabetes/causes-diabetes/Pages/index.aspx](http://www.niddk.nih.gov/health-information/health-topics/Diabetes/causes-diabetes/Pages/index.aspx)
- Xin,Z., Liu,C. , Niu,W.Y., Feng,J.P., Zhao,L . , Ma,Y.H. , Hua,L. and Yang, J.K.(2012). Identifying obesity indicators which best correlate with type 2 diabetes in a Chinese population.*BMC Public Health*,Vol .12(732): pp.1-6.

- Yadav,U.C.S., Moorthy,K. and Baquer,N.Z. (2005). Combined treatment of sodium orthovanadate and *Momordica charantia* fruit extract prevents alterations in lipid profile and lipogenic enzymes in alloxan diabetic rats.*Molecular and Cellular Biochemistry*, Vol. 268 (1-2): pp.111-120.
- Yang,R.Y., Tsou,S.C.S., Lee,T.C.,Wu,W.j ,Hanson,P.M., Kuo,G.,Engle, L.M. and Lai, P.Y.(2006). Distribution of 127 edible plant species for antioxidant activities by two assays.*Journal ofthe Science of Food and Agricultural*, Vol.86: pp.2395–2403.
- Yang,W., Lu,J., Weng,J., Jia,W., Ji,L., Xiao,J., Shan,Z., Liu,J., Tian,H., Ji,Q., Zhu,D., Ge,J., Lin,L., Chen,L., Guo,X., Zhao,Z., Li,Q., Zhou,Z., Shan,G. and He,J.(2010). China national diabetes and metabolic disorders study group, prevalence of diabetes among men and women in China. *New England Journal of Medicine*, Vol.362:pp.1090–1101.
- Yates,T., Davies,M. and Gorely,T. (2009). Effectiveness of a pragmatic education program designed to promote walking activity in individuals with impaired glucose tolerance a randomized controlled trial. *Diabetes Care*, Vol. 32(8): pp.1404–1410.
- Yesudian.C.A.K., Grepstad,M., Visintin, E. and Ferrario,A.(2014). The economic burden of diabetes in India: A review of the literature. *Globalization and Health*, Vol.10(80): pp.1-18.
- Ying,Z., Ying,D., Xiwen,Q., Fengjie,C., Quin,G., Xinghua,Z.,Yun,W., Yi,Z. andZhiyu,X. (2012). Effect of superfine grinding on antidiabetic activity of bittermelon powder.*International Journal of Molecular Science*, Vol. 13: pp.14203-14218.
- Zhu,Y., Dong,Y., Qian,X., Cui,F.,Guo,Q., Zhou,X., Wang,Y., Zhang,Y. and Xiong,Z.(2012). Effect of superfine grinding on antidiabetic activity of bitter melon powder. *International Journal of Molecular Science*, Vol,13: pp.14203-18.