SCIENTIFIC PUBLICATIONS -2017

PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

- 1. Alekhya S, Lakshmi Reddi SGDN, Naveen Kumar R, Bhaskar V, SubbaRao GM, Sudershan Rao V: Identifying critical risk practices among street food handlers. Brit Food J. 119(2):390-400, Feb' 2017.
- 2. Amulya Rao N, SubbaRao GM, Venkaiah K, Raghunath Rao D: Pictorial learning and visual imagery-based activity methods in nutrition education for primary schoolchildren in India. J Nutr Educ Behav. 49(3):264-267, Mar' 2017.
- Anand Kumar K, Rajendar Rao K, Lalitha A, Giriraj Ratan Chandak, Sengupta S, Raghunath M: Rehabilitation Mitigates Changes in Body Fat %, Visceral Adiposity and Lipid Metabolism in the Wistar Rat Offspring Induced by Maternal Vitamin B12 Restriction. Int J Med Health Sci. 6(2):94 -100, Apr' 2017.
- 4. Annapoorna Y, Sunanda K, Ravinder P, Nair KM: Prevalence of vitamin B12 deficiency in pregnant women and its effect on fetal outcome. Indian J Obstet Gynecol. 5:74-78, 2017.
- 5. Aruna P, Uma A, Malathi U, Balakrishna N[,] Raghunath M: High sucrose diet feeding aggravates age related changes in oxidative stress and antioxidant status of WNIN/Gr-Ob obese rats. Int J Med Health Sci. 6(3):144 -151, Jul' 2017.
- 6. Aruna P, Uma A, Raghunath M: Increased macromolecular damage underlies the decreased longevity of Wnin/Gr-Ob rats fed high sucrose diet. J Nutr Health Food Engineering. 6(1):1-5, 2017.
- Ashok Reddy K, Uday Kumar P, Srinivasulu M, Triveni B, Sharada K, Ayesha Ismail, Bhanuprakash Reddy G: Overexpression and enhanced specific activity of aldoketo reductases (AKR1B1) & (AKR1B10) in human breast cancers. The Breast. 31:137-143, Feb' 2017.
- 8. Balaji M, Brahmanaidu P, Venkata Rao C, Ravindar Naik R, Harishankar N, Suresh P, Saravanan G, Sathibabu Uddandrao VV: Antiobesity potential of Piperonal: promising modulation of body composition, lipid profiles and obesogenic marker expression in HFD-induced obese rats. . 14:72, 2017.
- 9. Bhan N, Madhira P, Muralidharan A, Bharati Kulkarni, Murthy G, Basu S, Kinra S: Health needs, access to healthcare, and perceptions of ageing in an urbanizing community in India: a qualitative study. BMC Geriatr. 17(1):156, 2017.
- 10. Bhanuprakash Reddy G, Yadagiri Reddy P, Surolia A: Alzheimer's and danish dementia peptides induce cataract and perturb retinal architecture in rats. BioMol Concepts 8(1):45-84, 2017.
- Bhavani Shankar, Sutapa Agrawal, Beaudreault AR, Laxmaiah A, Martorell R, Osendarp S, Prabhakaran D, Mclean MS: Dietary and nutritional changes in India: Implications for strategies, policies and interventions. Ann New York Acad Sci. 1395(1):49-59, 2017.
- Daniella AL. Chyne, Meshram II, Ananthan R, Venkaiah K, Neeraja G, Phrang Roy, Kuhnlein HV, Longvah T: Nutritional status, food insecurity, and biodiversity among the Khasi in Meghalaya, North - East India. Maternal Child Nutr. 13: S3, e12557. 1-10, 2017.

- Devindra S, Aruna T: Effect of chemical soaking, toasting and crude αgalactosidase enzyme treatment on the oligosaccharide content of red gram flour. J Food Proc. Preservation. 41(3): e12922, 2017.
- Devindra S, Shilpa Chouhan, Charu Katare, Aruna T, Prasad GBKS: Estimation of glycemic carbohydrate and glycemic index/load of commonly consumed cereals, legumes and mixture of cereals and legumes. International Journal of Diabetes in Developing Countries. 37(4):426–431, 2017.
- Divya Kumari, Naveen Kumar R, Bhaskar V, Chakravarthy DP, Sudershan Rao V: Efficacy of Ozone in Combination with UV for Inactivation of Selective Foodborne Pathogens. Acta Scientific Nutritional Health. 1(2), 38-42, 2017.
- Kishore Kumar G, Sreenivasa Reddy S, Uday Kumar C, Yadagiri Reddy P, Jablonski MM, Ayyagar R, Bhanuprakash Reddy G: Impact of obesity with impaired glucose tolerance on retinal degeneration in a rat model of metabolic syndrome. Mol Vis. 23:263-274, 2017.
- 17. Hedaoo R, SubbaRao GM: Rhetoric and reality of nutrition promotion through entertainment education-a review of research from last six decades. Indian J Public Health Res Dev. 8(4):434-45, Oct' 2017.
- 18. Hemalatha R, Ouwehand AC, Saarinen MT, Prasad UV, Swetha K, Bhaskar V: Effect of probiotic supplementation on total lactobacilli, bifidobacteria and short chain fatty acids in 2-5 year-old children. Microb Ecol in Health Dis. 28(1): 2017.
- 19. Himadri Singh, Rajanna A, Venkata M, Maniprabha C, Suresh P, Vijayalakshmi Venkatesan: WNIN mutant obese rats develop acute pancreatitis with the enhanced inflammatory milieu. Cell Mol Med Res. 1(1):20-31, Jun' 2017.
- 20. Himaja N, Hemalatha R, Narendra Babu K, Shujauddin Mohammed: Impact of a novel synbiotic supplementation during gestation and lactation on immune responses in the swiss albino mice offspring. J Sci Food Agric. 97(8):2453-2459, Jun' 2017.
- 21. Meshram II, Naveen Kumar B, Venkaiah K: Ranking of districts in Andhra Pradesh using women and children nutrition and health indicators by topsis method. Indian J Comm Health. 29(4):350-356, Oct-Dec' 2017.
- 22. Jeyakumar SM, Sheril A, Vajreswari A: Vitamin A improves hyperglycemia and glucose-intolerance through regulation of intracellular signaling pathways and glycogen synthesis in WNIN/GR-Ob obese rat model. Prev Nutr Food Sci. 22(3): 172-183, Sep' 2017.
- Khaggeswar B, Manish Kumar T, Sagar K, Prathyusha T, Swathi A, Kranthi Raj K, Lavanya K, Sridhar Babu G, Harishankar N, Mahendran B: In vitro Anti-Cancer Activity of Rosuvastatin and Ketorolac Nanoformulations against DDX3. Journal of Young Pharmacists. 9(4):537-544. Oct' 2017.
- 24. Khalid Hussain B, Shruti Srivastava, Sandeep Kumar K, Sudip Ghosh, Sangita Mukhopadhya: The PPE2 protein of mycobacterium tuberculosis translocates to host nucleus and inhibits nitric oxide production. Sci Rep. 7:39706. DOI:10.1038/srep39706 (2017).
- 25. Khandare AL, Shanker Rao, Vakdevi V: Dental fluorosis, nutritional status, kidney damage, and thyroid function along with bone metabolic indicators in school-going

children living in fluoride-affected hilly areas of Doda district, Jammu and Kashmir, India. Environ Monit Assess. 189(11):579, Oct' 2017.

- 26. Lalit D, Rakhi D, Anil Kumar G, Shukla DK, Paul VK, Balakrishnan K, Prabhakaran D, Nikhil Tandon, Sundeep Salvi, Dash AP, Nandakumar A, Vikram Patel, Agarwal SK, Gupta PC, Dhaliwal RS, Prashant Mathur, Laxmaiah A: India State-Level Disease Burden Initiative Collaborators: Nations within a nation: variations in epidemiological transition across the states of India, 1990–2016 in the Global Burden of Disease Study. Lancet. 390(10111):2437–2460, Dec' 2017.
- 27. Longvah T, Bewe K, Meshram II, Venkaiah K, Sreerama Krishna K, Phrang Roy, Kuhnlein HV: Mother and child nutrition among the Chakhesang tribe in the state of Nagaland, North East India. Maternal Child Nutr. 13: e12558, 1-12, Dec' 2017.
- Mahesh M, Bharathi M, Raja Gopal Reddy M, Pappu P, Uday Kumar P, Vajrewari A, Jeyakumar SM: Carrot juice ingestion attenuates high fructose-induced circulatory pro-inflammatory mediators in weanling Wistar rats. J Sci Food Agric. 97(5):1582-1591, Mar' 2017.
- 29. Maheshwar M, Amulya Rao N, Raghunatha Rao D: Quantitative coverage of health and nutrition news a longitudinal study of Indian prime print media. Asian Acad Res J Multidisciplinary. 4(1):65-76, Jan' 2017.
- 30. Maheshwar M, Narender K, Balakrishna N, Raghunatha Rao D: Media viewing habits of teenagers. Int J Res Management Econ Commerce. 7(2):1-9, Feb' 2017.
- 31. Mansoori T, Balakrishna N. Anterior segment morphology in primary angle closure glaucoma using ultrasound biomicroscopy. J curr glaucoma pract. 11(3):86-91, Sep-Dec' 2017.
- 32. Mansoori T, Balakrishna N. Effect of aging on retinal nerve fiber layer thickness in normal asian Indian eyes: A longitudinal study. Ophthalmic epidemiol, 24(1):24-28, Feb' 2017.
- 33. Mansoori T, Balakrishna N. Intrasession repeatability of pachymetry measurements with RTVue XR 100 optical coherence tomography in normal cornea. Saudi j ophthalmol. 31(2):65-68, Apr-Jun' 2017.
- Mansoori T, Sivaswamy J, Gamalapati JS, Agraharam SG, Balakrishna N: Measurement of radial eripallary capillary density in the normal human retina using optical coherence tomography angiography. J Glaucoma. 26(3):241-246, Mar'2017.
- 35. Mansoori T, Sivaswamy J, Gamalapati JS, Balakrishna N. Radial peripapillary capillary density measurement using optical coherence tomography angiography in early glaucoma. J Glaucoma. 26(5):438-443, May' 2017.
- 36. Matsuzaki M, Bharati Kulkarni, Kuper H, Wells JC, Ploubidis GB, Prabhakaran P, Gupta V, Walia GK, Aggarwal A, Prabhakaran D, sDavey Smith G, Radhakrishna KV, Ben-Shlomo Y, Kinra S: Association of hip bone mineral density and body composition in a rural Indian population: The Andhra Pradesh children and parents study (APCAPS). PLoS One. 12(1):e0167114, 2017.
- 37. Meshram II, Hari Kumar R, Balakrishna N, Gal Reddy Ch, Ravindranath M, Sharad Kumar S, Mallikharjun Rao K, Sree Ramakrishna K, Manohar G, Brahmam GNV, Laxmaiah A: Trends in nutrient intakes, nutritional status and correlates of undernutrition among rural children below 5 years age: National

Nutrition Monitoring Bureau (NNMB) survey 2012. J Postgrad Med. 63(2):84-91, Apr-Jun' 2017.

- Muralidhar MN, Prasad SMVK, Kiran Kumar B, Giridharan NV, Rajender Rao K: Differential response of rat strains to obesogenic diets underlines the importance of genetic makeup of an individual towards obesity. Scientific Reports. 7:9162. doi: 10.1038/s41598-017-09149-6, 2017.
- 39. NCD risk factor collaboration. Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19-1 million participants. Lancet. 389(10064):37-55, Jan'2017.
- 40. NCD risk factor collaboration: Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128-9 million children, adolescents, and adults. Lancet. 390(10113):2627–2642, Dec' 2017.
- Nivedita D, Purna Chandra M, Firoz H, Raghu P, Longvah T, Dinesh Kumar B: β-Carotene bioaccessibility from biofortified maize (Zea mays) is related to its density and is negatively influenced by lutein and zeaxanthin. Food Funct. 9(1):379-388, Jan' 2017.
- 42. Oakley L, Baker CP, Srivalli A, Gupta V, Walia GK, Aggarwal A, Santhi B, Bharati Kulkarni, Wilson RT, Prabhakaran D, Ben-Shlomo Y, Davey Smith G, Radha Krishna KV, Kinra S: Is increasing urbanicity associated with changes in breastfeeding duration in rural India? An analysis of cross-sectional household data from the Andhra Pradesh children and parents study. BMJ Open. 7(9): e016331, Sep' 2017.
- 43. Prasanthi PS, Naveena N, Vishnu Vardhan Rao M, Bhaskarachary K: Compositional variability of nutrients and phytochemicals in corn after processing. J Food Sci Technol. 54(5):1080-1090, Apr' 2017.
- 44. Raghu G, Akileshwari C, Sudhakar Reddy V, Bhanuprakash Reddy G: Attenuation of diabetic retinopathy in rats by ellagic acid through inhibition of AGE formation. J Food Sci Technol. 54(8):2411-2421, Jul' 2017.
- 45. Ramulu P, Amruth Rao P, Balkishan B, Paul Marx K, Ramakrishna K, Venkata Ramana Devi C: Incidence & prognosis of acute kidney injury in individuals of snakebite in a tertiary care hospital in India. IJMR. 146(6):754-758, Dec' 2017.
- 46. Ramu Yerukala, Naveen Kumar Boiroju, Kollu Ranga Rao: Approximations to Three Essential Functions of Standard Normal Distribution. International Journal of Mathematics and Statistics, 18(1):12-20, Jan' 2017.
- Reddy MR, Aidhen IS, Karnam S, Bhanuprakash Reddy G: Synthesis of Canalogues of β-glucogallin and aldose reductase inhibition studies. Eur J Org Chem. 2017(48):7283–7294, Dec' 2017.
- 48. Sai Giridhar Sairam, Srikanth S, Asha B, Sai Kiran J, Jiten J, Vijayalakshmi Venkateshan, Janardhana C, Carani Balaraman Sanjeevi: The role of Lp-PLA₂ and biochemistry parameters as potential biomarkers of coronary artery disease in Asian South-Indians: a case-control study. Cardiovasc Diagn Ther., 7(6):589-597, Dec' 2017.

- 49. Saravanan N, Patil MA, Uday Kumar P, Suryanarayana P, Bhanuprakash Reddy G: Dietary ginger improves glucose dysregulation in a long-term high-fat high-fructose fed prediabetic rat model. Indian J Exp Biol. 55(3):142-150, Mar' 2017.
- Shampa Ghosh, Jitendra Kumar S, Muralikrishna B, Uday Kumar P, Raghunath M: Chronic transgenerational vitamin B12 deficiency of severe and moderate magnitudes modulates adiposity – probable underlying mechanisms. Biofactors. 43(3):400-414, May-Jun' 2017.
- 51. Shiva Prakash M, Amruth Rao P, Chathyushya KB, Haricharan G, Madhavi G, Sumalata G, Sravanthi M, Mounika M, Sai Tejaswi P, Hemalatha R: Effect of Probiotic supplementation on the fasting blood glucose and immune status in Type II diabetes mellitus. Imperial J Interdisciplinary Res.3(4):1244-1248, Apr' 2017.
- 52. Shivani Surpur, Radhika PH, SubbaRao GM: Environmental pressures: stress as a culpable factor influencing dietary choices among adolescents. Indian J Appl Res. 7(6):763-766, Jun' 2017.
- 53. Shruthi K, Srinivas Reddy S, Bhanuprakash Reddy G: Ubiquitin-proteasome system and ER stress in the retina of diabetic rats. Arch Biochem Biophys., 627:10-20, Aug' 2017.
- 54. Singh S, Babu GJJ, Bhanuprakash Reddy, G, Pallepogula DR, Pant HB, Neogi SB, John N, Kolli SR, Doyle P, Kinra S, Ness A, Murthy GVS: Folate, vitamin B12, ferritin and haemoglobin levels among women of childbearing age from a rural district in South India. BMC Nut. 3: Article number 50, 2017.
- Sontake V, Wang Y, Rajesh Kumar K, Bhanuprakash Reddy G, Sinner D, Naren AP, McCormack FX, White ES, Jegga AG, Madala SK: Hsp90 regulation of fibroblast activation in pulmonary fibrosis. J Clin Invest-Insight 2(4): e91454, Feb' 2017.
- 56. Sreenivasa Rao J: Fish nutrition, potential health benefits and heavy metal research in India: steps towards new horizon. Int Res J Biol Sci. 6(6):53-61, Jun' 2017.
- 57. Sreenivasa Rao J: Nutrition science in India: Green leafy vegetables: a potent food source to alleviate micronutrient deficiencies. In Res J Basic Appl Sci. 2(1):7-13, May' 2017.
- 58. SubbaRao GM, Konapur A, Saha S: Role of education and communication interventions in promoting micronutrient status in India–what research in the last two decades informs. J Commun Healthcare. 10(4):238-49, 2017.
- 59. Sudershan Rao V, Chakravarthy DP, Naveen Kumar R: Development of ingenious technique for salmonella decontamination of spices using hybrid technology of ozone-pulsed UV. Indian J Nutr Diet. 54(4):376-386, Oct-Dec' 2017.
- Sugeedha Jeyapal, Uday Kumar P, Surekha MV, Sudip Ghosh, Anil S, Suryam Reddy K, Sai Santosh V, Chandana M, Ahmed Ibrahim: Chronic consumption of fructose in combination with trans fatty acids but not with saturated fatty acids induces nonalcoholic steatohepatitis with fibrosis in rats. Eur J Nutr. 57(6):2171– 2187, Sep'
- 61. Surekha MV, Srinivas M, Balakrishna N, Uday Kumar P: Haemoglobin distribution width in predicting iron deficiency anaemia among healthy pregnant women in

third trimester of pregnancy. Int J Innovative Res Adv Studies. 4(7):390-395, Jul' 2017.

- 62. Susaimanickam PJ, Savitri M, Vinay Kumar, Sreedhar Rao B,Ravinder Naik R, Milind Naik N, Bhanuprakash Reddy G, Virender Singh S, Indumathi Mariappan: Generating minicorneal organoids from human induced pluripotent stem cells. Development. 144(13): 2338-2351, Jul' 2017.
- 63. Thirupathaiah Y, Hemalatha R, Vasundhara D: Vaginal lactobacilli profile in pregnant women with normal & abnormal vaginal flora. Indian J Med Res 146(4): 534-540, Oct' 2017.
- Vahini J, Bhaskarachary K, Vishnu Vardhan Rao M: Effect of cooking on glycemic index in commonly consumed corn in India. Int J Food Nutr Sci., 6(1):25-30, Jan' 2017.
- 65. Vakdevi V, Shankar Rao G, Srinivas D, Balakrishna N, Khandare AL: Tamarind supplementation ameliorates fluoride-induced glucose intolerance and insulin resistance in rats. Fluoride. 50(3):314–323, Jul-Sep' 2017.
- Varsha V, Kurakula Sailoo AK, Venkaiah K, Dinesh Kumar B: Switching of Antihypertensive Drugs at Tertiary Care Government Hospital, Hyderabad, India: A Cross Sectional Retrospective Investigation. Indian J. Pharmacol. 49(6):438– 444, Nov-Sec' 2017.
- 67. Yadla M, Sailaja S, Ahmed N, Uppin M, Arlappa N: An unusual case of insecticide poisoning presenting as acute kidney injury. Saudi J Kidney Dis Transpl. 28(6):1432-1434, Nov-Dec' 2017.

B. PAPERS PUBLISHED IN PROCEEDIDNGS/BOOKS/CONFERENCES/ABSTRACTS

- 1. Arlappa N, Saurabh Sharma: Handbook of Vitamin A. Lambert Acad Publs, Germany.2017.
- 2. Bhanuprakash Reddy,G: Prospects of nutrigenomics for public health nutrition in India: opportunities and challenges. In '*Insights on Global Challenges and Opportunities for the Century Ahead*' ed by Reddy VD, Rao KV, Rama Krishna, K. (Osmania University Centenary Celebrations (1917-2017), Hyderabad, BS Publications, pp.217-224, 2017.

C. POPULAR ARTICLES

- 1. Ayesha Ismail, Bindu N, Murraya koenigii: leaf extract acts as a potent anti-cancer agent against breast cancer in vitro and in vivo. Nutrition News. 38 (2), 2017.
- 2. Bharathi Kulkarni, Raja Sriswan Mamidi: Impact of early life undernutrition on adult health and nutrition outcomes revisiting cohort studies undertaken by National Institute of Nutrition, Hyderabad. NFI Bulletin 38(4): 1-7, 2017.
- 3. Dripta Roy Choudhury, Nair KM: Vitamin C for iron nutrition. In Touch. 18: 2-6, 2017.

4. Vasanthi S: Relevance of dietary intake of spices in relation to aflatoxin contamination. Spices Handbook 2017, 38-42, 2017.