SCIENTIFIC PUBLICATIONS - 2015

PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

- Annapurna VV, Hemalatha R, Raviteja A, Ramaraju AVS, Narendra Babu K, Thirupathaiah Y, Shujauddin Mohd, Harishankar N, Balakrishna N: Selective cecal bacterial changes mediate the adverse effects associated with high palmolein or high starch diets: prophylactic role of flax oil. Int J Pharm Pharm Sci. 7: 89-95, 2015.
- 2. Ashok Kumar Yadav, Ashish Tyagi, Ashwani Kumar, Surbhi Panwar, Sunita Grover, Asha Chandola Saklani, Hemalatha R, Virender Kumar B: Adhesion of lactobacilli and their anti-infectivity potential Crit Rev Food Sci Nutr. (Epub), 2015.
- Baker CP, Bharati Kulkarni, Radhakrishna KV, Charyulu MS, Gregson J, Matsuzaki M, Taylor AE, Dorairaj Prabhakaran, Raja Sriswan M, Jonathan Wells, Ian Wilkinson, Carmel McEniery, Yasmin, Smith GD, Ben-Shlomo Y, Hannah Kuper, Sanjay Kinra: Is the Association between Vitamin D and cardiovascular disease risk confounded by obesity? Evidence from the Andhra Pradesh children and parents study (APCAPS). PloS one. 10(6): e0129468, 2015.
- 4. Bhanuprakash Reddy G, Sivaprasad M, Shalini T, Satyanarayana A, Seshacharyulu M, Balakrishna N, Viswanath K, Manisha Sahay: Plasma vitamin D status in patients with type 2 diabetes with and without retinopathy. Nurition. 31: 959-963,2015
- 5. Bhaskarachary K, Naveena N, Kalpagam Polasa: Potential benefits of plant metabolites for human health. Indian J Nutr Dietet. 52: 213-225, 2015.
- 6. Bindu Noolu, Ayesha Ismail: Anti-proliferative and proteasome inhibitory activity of murraya koenigii leaf extract in human cancer cell lines. Discov Phytomed. 2: 1-9, 2015.
- 7. Chalamaiah M, Hemalatha R, Jyothirmayi T, Prakash V Diwan, Bhaskarachary K, Vajreswari A, Ramesh Kumar R, Dinesh Kumar B: Chemical composition and immunomodulatory effects of enzymatic protein hydrolysates from common carp (Cyprinus carpio) egg. Nutrition. 31: 388–398, 2015.
- 8. Chetan Nimgulkar, Sudip Ghosh, Sankar Anand B, Uday Kumar P, Surekha MV, Madhusudhanachary P, Annapurna BR, Raghu P, Dinesh Kumar B: Combination of spices and herbal extract restores macrophage foam cell migration and abrogates the athero-inflammatory signalling cascade of atherogenesis. *Vascul Pharmacol.* 72: 53–63, 2015.
- 9. Deethu Sara Varghese, Ashok S, Premraj D, Venkata Ramana Y: Comparison of body-composition assessed by air displacement plethysmography and skin-fold technique in post menopausal women. Indian J Nutr Dietet. 52: 360-368, 2015.
- 10. Deshpande J, Shankaranarayanan J, Bhanuprakash Reddy G, Sreenivasa RS, Juturu V: Soluble curcumin in the prevention of diabetic retinopathy via modulation of anti-oxidant activity and genetic pathways-in vivo model. Adv Ophthalmol Vis Syst. 3: 00077-, 2015.
- 11. Devindra SB: Estimation of glycemic carbohydrates from commonly consumed foods using modified anthrone method. Indian J Appl Res. 5: 45-47, 2015.
- 12. Farzana F, Sreekanth V, Mohiuddin MK, Mohan V, Balakrishna N, Ahuja YR: Can individual home-based cognitive stimulation therapy benefit Parkinson's patients with mild to moderate cognitive impairment? Int J Geriatr Psych. 30: 433-5, 2015.
- 13. Hemalatha Rajkumar, Ramesh Kumar R, Vijayendra Chary A, Raju Naik V, Arshi Uz Zaman Syed : De Novo transcriptome analysis of allium cepa L (Onion) bulb to identify allergens and epitopes. PLOS one. 10: e0135387, 2015.
- 14. Himadri Singh, Sireesha G, Venkata M, Maniprabha C Giridharan NV, Bhonde RR, Vijayalakshmi Venkatesan: Islet adaptation to obesity and insulin resistance in WNIN/GR-Ob rats, Islets. 6: e998099, 2015
- Indumathi S, Padmanav B, Uday Kumar P, Suresh P, Bhonde R, Maniprabha C, Vijayalakshmi V: Nonobese diabetic mice, hypoglycaemia and liver necrosis: a case report. Comp Clin Pathol. 24: 457-464, 2015.

- 16. Jagajeevan Babu G, Suresh Babu K, Balakrishna N, Anupama D, Radhakrishna KV, Ajeya Kumar P: Diet, nutrition and cardiac risk factor profile of tribal migrant population in an urban slum in India. Indian J Comm Health. 27: 77-85, 2015.
- 17. Jeyakumar SM, Sheril A, Vajreswari A. Chronic vitamin A-enriched diet feeding induces body weight gain and adiposity in lean and glucose-intolerant obese rats of WNIN/GR-Ob strain. *Exp Physiol.* 100: 1352-1361, 2015.
- 18. Jeyakumar SM, Vajreswari A: Vitamin A as a key regulator of obesity & its associated disorders: Evidences from an obese rat model. Indian J Med Res. 141: 275-284, 2015.
- 19. Khandare AL, Srinivasa Reddy Y, Balakrishna N, Shankar Rao G, Gangadhar T, Arlappa N: Role of drinking water with high silica and strontium in chronic kidney disease: An exploratory community-based study in an Indian village. Indian J Comm Health. 27: 95-102, 2015.
- 20. Khandare AL, Vakdevi V, Shanker Rao, Balakrishna N: Effects of strontium and fluoride ions on bone mechanical and biochemical indices in guinea pigs (CAVIA Porcellus). Fluoride. 48: 149-159, 2015.
- 21. Khandare AL, Validandi V, Rao S, Dheeravath S, Nagalla B: Synergistic effects of strontium and fluoride on nutritional status in guinea pigs (Cavia porcellus). Fluoride. 48: 283-292, 2015.
- 22. Kiran kumar B, Giridharan NV, Satoshi Nakanishi, Takashi Kuramoto, Friedman JM, Rajender Rao K: Genetic relatedness of WNIN and WNIN/Ob with major rat strains in biomedical research. Biochem Genet. 53: 132-140, 2015.
- 23. Kranthi Kiran Kishore T, Raghu G, Deepak Reddy G, Bhanuprakash Reddy G, Nagini S: Gedunin abrogates aldose reductase, P13K/Akt/mToR and NF-kB signaling pathways to inhibit angiogenesis in a hamster model of oral carcinogenesis. Tumor Biol. Dol 10.1007/s13277-015-4003-0, 2015.
- 24. Krishna Swetha G, Hemalatha R, Prasad UV, Vasudev Murali, Damayanti K, Bhaskar V: Health & nutritional status of HIV infected children in Hyderabad, India. Indian J Med Res. 141: 46-54, 2015.
- 25. Krishnaveni D, Amar Chand B, Shravan Kumar P, Uma Devi M, Ramanna M, Jyothy A, Pratibha N, Balakrishna N, Venkateshwari A: Association of endothelial nitric oxide synthase gene T-786C promoter polymorphism with gastric cancer. World J Gastrointest Oncol. 7: 87-94, 2015.
- 26. Kshirsagar Rahul P, Kothamasu Manikanta V, Patil Madhoosudan A, Bhanuprakash Reddy G, Dinesh Kumar B, Diwan Prakash V.: Geranium oil ameliorates endothelial dysfunction in high fat high sucrose diet induced metabolic complications in rats. J Funct Foods. 15: 284-293, 2015.
- 27. Lakshmi Reddi SGDN, Naveen kumar R, Balakrishna N, Sudarshan Rao V: Microbiological quality of street vended fruit juices in Hyderabad, India and their association between food safety knowledge and practices of fruit juice vendors. Int J Curr Microbiol Appl Sci. 4: 970-982, 2015
- 28. Laxmaiah A: Vitamin B12 and folic-acid: significance in human health. Nutritionist's perspectaive. Indian Pediatr. 52: 380-381, 2015.
- 29. Laxmaiah A, Meshram II, Arlappa N, Balakrishna N, Mallikharjuna Rao K, Gal Reddy CH, Ravindranath M, Sharad Kumar, Hari Kumar, Brahmam GNV: Socio-economic & demographic determinants of hypertension & knowledge, practices & risk behavior of tribals in India. Indian J Med Res. 141: 697-708, 2015.
- 30. Liza Bowen, Taylor AE, Ruth Sullivan, Shah Ebrahim, Sanjay Kinra, Radhakrishna KV, Bharati Kulkarni, Ben-Shlomo Y, Ulf Ekelund, Jonathan CK Wells, Hannah Kuper: Associations between diet, physical activity and body fat distribution: a cross sectional study in an Indian population. BMC Public Health. 15: 281, 2015.
- 31. Madhavan Nair K, Little Flower Augustine: Limits of vitamins and minerals in dietary supplements: perception Vs scientific judgment. Indian Food Industry. 34: 50-51, 2015.
- 32. Madhavan Nair K, Ravinder P, Pareek K, Swarnim Gupta: Evaluation of sensory and storage characteristics and iron bioavailability of whole wheat flour fortified with ferrous sulphate and hydrogen reduced iron powder in humans. Indian J Nutr Dietet. 52: 1-15, 2015.
- 33. Maheshwar M, Raghunatha Rao D: Deforestation- A potential threat to nutrition. Int J Tech Res Appl 3: 226-232, 2015.

- 34. Mallikharjuna Rao K, Hari Kumar R, Sreerama Krishna K, Bhaskar V, Laxmaiah A: Diet & nutrition profile of chenchu population- a vulnerable tribe in Telangana & Andhra Pradesh, India. Indian J Med Res. 141: 688-696, 2015
- 35. Matsuzaki M, Kuper H, Bharati Kulkarni , Ploubidis GB, Wells JC, Radhakrishna KV, Poornima Prabhakaran, Gupta V, Walia GK, Aggarwal A, Prabhakaran D, Rameshwar Sarma KV, Smith GD, Ben-Shlomo Y, Sanjay Kinra : Adolescent undernutrition and early adulthood bone mass in an urbanizing rural community in India. Arch Osteoporos. 10: 29, 2015.
- 36. Matsuzaki M, Rashmi Pant, Bharati Kulkarni, Sanjay Kinra: Comparison of bone mineral density between urban and rural areas: systematic review and meta-analysis. PLoS One. 10; 10(7):e0132239, 2015.
- 37. Mehrajuddin Bhat, Ayesha Ismail: Vitamin D treatment protects against and reverses oxidative stress induced muscle proteolysis. J Steroid Biochem Mol Biol. 152: 171-179, 2015.
- 38. Meshram II, Mallikharjun Rao K, Gal Reddy Ch, Ravindranath M, Sharad Kumar, Sreeramakrishna K, Venkaiah K, Laxmaiah A, Brahmam GNV: Influence of feeding practices and associated factors on nutritional status of infants in rural areas of Madhya Pradesh State, India. Asia Pac J Pub Health. 27: 1345-1361, 2015.
- 39. Meshram II, Stephan G, Pothraju B: Nutritional status and substance abuse among street children in South India. Indian J Comm Health. 27: 52-59, 2015.
- 40. Meshram II, Vishnu Vardhan Rao V, Sudershan Rao V, Laxmaiah A, Polasa K: Prevalence and correlates of hypertension & diabetes among ≥18 years urban population in India. Br Biomed Bull. 3: 176-189, 2015.
- 41. Nagabhushan Reddy K, Anil S, Rajender Rao K, Rajendher Reddy M, Praveen Kumar Y, Satyanarana S, Raghunath M: Effect of chromium (III)-amino acid (1:3) complexes of high sucrose induced insulin resistance, lipid abnormalities and oxidative stress n male Sprague dawley rats. J Diabetes Obes. 2: 1-8, 2015.
- 42. Nirupama Lal, Rajender Rao K, Suresh P, Md. Shahidul Islam, Harishankar N, Giridharan NV, Bharati Kulkarni, Vijayalakshmi V: Obesity associated mitochondrial dysfunction: evidences from WNIN mutant rats. World J Pharmaceut Res. 4: 1074-1096, 2015.
- 43. Padmaja RJ, Sudershan Rao V, Vishnu Vardhana Rao M, Kalpagam Polasa: Dietary exposure to pesticide residues by various physiological groups of population in Andhra Pradesh, South India. Int J Food Nutri Sci. 4: 139-148, 2015.
- 44. Ramesh A, Vishnu Vardhana Rao M, Madhavan Nair K: A meta-analysis combining parallel and cross-over randomized controlled trials to assess impact of iodine fortified foods on urinary iodine concentration among children. Asia Pacific J Clin Nutr. 24: 2015.
- 45. Ravinder Naik R, Abay Kumar P, Suresh P, Nagaraju T: Modulatory effects of andrographolide on attenuating the key enzymes activities of carbohydrate metabolism and glycogen content in streptozotocin induced diabetic rats. Eur J Biomed Pharma Sci. 2: 438-451, 2015.
- 46. Ravindranadh P, Purna Chandra M, Madhavan Nair K, Bhanuprakash Reddy G, Raghu P: Characterization of iron-binding phosphopeptide released by gastrointestinal digestion of egg white. Food Res. Int. 67: 308-314, 2015.
- 47. Reddy VS, Reddy GB: Emerging rde for α B-Crystallin as a therapeutic agent: pros and cons. Curr Mol Med. 15: 47-61, 2015.
- 48. Shadab Ahmad, Basak T, Anand Kumar K, Bharadwaj Gourav, Lalitha A, Yadav DK, Chandak GR, Raghunath M, Sengupta Shantanu: Maternal micronutrient deficiency leads to alteration in the kidney proteome in rat pups. J Proteomics. 127 Part A: 178-184, 2015.
- 49. Shweta Shrivastava, Manish Kumar J, Sudhakar Reddy V, Bhanuprakash Reddy G, Naidu VGM: Anticancer effect of celastrol on human triple negative breast cancer: Possible involvement of oxidative stress, mitochondrial dysfunction, apoptosis and P13K/AKt pathways. Exp Mol Pathol. 98: 313-327, 2015.

- 50. Snow Anson, Shieh Biehuoy, Chang Kun-Che, Pal Arttatrana, Lenhart Patricia, Ammar David, Ruzycki Philip, Suryanarayana P, Bhanuprakesh Reddy G, Mark Petrash J: Aldose reductase expression as a risk factor for cataract. Chem Biol Interact. 234: 247-253, 2015.
- 51. Sravani E, Chaitanya Mannava MK, Kaur Damandeep, Annapurna BR, Ronaq Ali Khan, Suresh Kuthuru, Sudhir Mittapalli, Ashwini Nangia, Dinesh Kumar B: Preclinical bioavailability–bioequivalence and toxico-kinetic profile of stable succinc acid cocrystal of temozolomide. Curr Sci. 108: 1097-1106, 2015.
- 52. Srinivasa Rao M, Suryanarayana Murty U, Sriram Kumaraswamy, Madhusudhan Rao K, Balakrishna N: Impact of socioeconomic factors on the prevalence of lymphatic filariasis in Andhra, Pradesh, India. J Public Health. 23: 231-240, 2015.
- 53. Subba Rao GM, Madhavan Nair K: From farm to plate & beyond- A culture & context sensitive perspective for food safety. Indian J Med Res. 141: 377-379, 2015.
- 54. Subba Rao GM, Mallikarjuna Rao K, Balakrishna N, Laxmaiah A: Assessing differences in risk perceptions about obesity among "Normal-Weight" and "Overweight" adolescents- a qualitative study. J Nutr Edu Behav 47:488-497, 2015.
- 55. Sudharkar Reddy V, Sneha Jakhotia, Yadagiri Reddy P, Bhanuprakash Reddy G: Hyperglycemia induced expression, phosphorylation, and translocation of αB-Crystallin in rat skeletal muscle. IUBMB Life. 67: 291-299, 2015.
- 56. Swathi Chitra P, Swathi T, Rakesh Sahay, Bhanuprakash Reddy G, Menon RK, Anil Kumar P: Growth hormone induces transforming growth factaor-beta-induced protein in podocytes: Implications for podocyte depletion and proteinuria. J Cell Biochem. 116: 1947-1956, 2015.
- 57. Sylvia Fernandeez-Rao, Hurley K, Madhavan Nair K, Balakrishna N, Tilton N, Radhakrishna V, Reinhart G, Harding K, Black M: Multiple micronutrients and early learning interventions promote Infant micronutrient status and development, FASEB J. 29, No.1, Suppl 28.2, 2015.
- 58. Vasanthi S, Bhat RV: Assessing intake of spices by pattern of spice use, frequency of consumption and portion size of spices consumed from routinely prepared dishes in southern India. Nutr J. 14: 1-9, 2015.
- 59. Vasanthi S, Dinesh Kumar B, Raju Naik V, Vishnu Vardhana Rao M, Vibha Gupta, Goodman RE: Evaluation of bar, barnase, and barstar recombinant proteins expressed in genetically engineered brassica juncea (Indian mustard) for potential risks of food allergy using bioinformatics and literature searches. Food Chem Toxicol. 83: 93-102, 2015.
- 60. Venkaiah K, Brahmam GNV, Vijayaraghavan K: Identification of dietary patterns by factor analysis and study of the relationship with nutritional status of rural adolescents using factor scores. J Health Popul Nutr. 34: 1-8, 2015.
- 61. Venkaiah K, Hemalatha R, Harikumar R, Paleswara Vara Parasad Saride, Srinivasan K, Brahmam GNV: Identification of socio-demographic behavioral patterns and their relationship with HIV status among female sex workers. World J AIDS. 5: 41-49, 2015.
- 62. Venkaiah K, Meshram II, Manohar G, Mallikharjuna Rao K, Sree Ramakrishna K, Laxmaiah A: Development of composite index and ranking the districts using nutrition survey data in Madhya Pradesh, India. Indian J Comm Health. 27: 204-10, 2015.
- 63. Vijayendrachary A, Hemalatha R, Seshacharyulu M, Vasudevan Murali M, Jayaprakash D, Dinesh Kumar B: Vitamn D deficiency in pregnant women impairs regulatory T cell function. J Steroid Biochem Mol. Biol. 147: 48-55, 2015.
- 64. Vipin Gupta, Christopher Millett, Gagandeep Kaur Walia, Sanjay Kinra, Aastha Aggarwal, Poornima Prabhakaran, Santhi Bhogadi, Aniket Kumar, Ruby Gupta, Prabhakaran D, Srinath Reddy K, George Davey Smith, Yoav Ben-Shlomo, Radha Krishna KV, Shah Ebrahim: Socio-economic patterning of cardiometabolic risk factors in rural and peri-urban India: Andhra Pradesh children and parents study (APCAPS). J Public Health. 23: 129-136, 2015.
- 65. Vishwaraj S, Shiva KS, Betsy AD, Bhanuprakash Reddy G, Mario M, William DH, Eric SW, Satish KM: Fibrocytes regulate wilms tumor 1-positive cell accumulation in severe fibrotic lung disease. J Imunol. 195: 3978-3991, 2015.