

NIN SCIENTIFIC PUBLICATIONS – 2009

A. PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

- 1 Amarendra Reddy G; Bharati Kulkarni; Veena Shatrugna; Thilak Ravindra Reddy P; Balakrishna N; Ajeya Kumar P; Usha Rani K : Bone mass of overweight affluent Indian youth and its sex – specific association with body composition. Arch Osteoporos. 4 : 31-39, 2009
- 2 Anil Kumar P; Bhanuprakash Reddy G : Modulation of α -crystallin chaperone activity : A target to prevent or delay cataract ? IUBMB Life (A Journal of the Int Union of Biochem Mol Biol) : 65 : 485-495, 2009
- 3 Anil Kumar P; Yadagiri Reddy P; Srinivas PNBS; Bhanuprakash Reddy G : Delay of diabetic cataract in rats by the antiglycating potential of cuminaldehyde through modulation of α – crystallin chaperone activity. J Nutr Biochem. 20 : 553-562, 2009.
- 4 Arlappa N; Mallikharjuna Rao, K; Venkaiah K; Brahmam GNV; Vijayaraghavan K : Nutritional parameters and chronic energy deficiency in older adults of desert areas of western Rajasthan, India. J Nutr Elderly. 28 : 61-71, 2009.
- 5 Arlappa N; Venkaiah K; Mallikharjuna Rao K; Gal Reddy Ch; Sharad Kumar S; Ravindranath M; Brahmam GNV; Vijayaraghavan K; Prevalence of chronic energy deficiency in rural – dwelling older Indian adults during a period of severe drought. J Nutr Elderly. 28 : 301-312, 2009.
- 6 Balakrishna N; Ravindranath M; Brahmam GNV; Sesikeran B : Physical inactivity, consumption of carbonated beverages / soft drinks and fatty foods associated with increased body composition, high body fat percent and hypertension among urban adolescents in Andhra Pradesh. Obesity. 17, Suppl.2 (642-P) : S223, 2009.
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- 9 Bharati Kulkarni; Veena Shatrugna; Balakrishna N; Ajeya Kumar P; Usha Rani K; Chandrakala Omkar A : Maternal weight and lean body mass may influence the lactation-related bone changes in young undernourished Indian women. *Br J Nutr.* 101 : 1527 – 1533, 2009.
- 10 Bhaskarachary K; Ramulu P; Udayasekhararao P; Bapurao S; Kamala Krishnaswamy; Quadri S; Udayakumar P; Sesikeran B : Nutritional and toxicological evaluation of wheat grown on soils with or without fly ash treatment. *J Sci Food Agric.* 89 : 384 – 389, 2009.
- 11 Chennaiah S; Bhaskarachary K; Babu Rao S; Raghuramulu N : Nutritional and chemical evaluation of *Cestrum diurnum* leaves. *Indian J Nutr Dietet.* 46 : 101-105, 2009.
12. Dinakar N; Nagajyothi PC; Suresh S; Damodharam T; Suresh C : Cadmium induced changes on proline, antioxidant enzymes, nitrate and nitrite reductases in *arachis hypogaea* L. *J Environ Biol.* 30 : 289-294, 2009
- 13 Hari Kumar K; Yadav RK; Prajapati J; Vijayakumar Reddy C; Raghunath M; Modi KD : Association between thyroid hormones, insulin resistance, and metabolic syndrome. *Saudi Med J.* 30 : 179-183, 2009.
- 14 Haseeb A; Iliyas M; Chakrabarti S; Farooqui AA; Naik, SR; Ghosh S; Madhuri S; Nasreen Z Ehtesham : Single – nucleotide polymorphisms in peroxisome proliferator – activated receptor γ and their association with plasma levels of resistin and the metabolic syndrome in a South Indian population. *J Biosci.* 34 : 405-414, 2009
15. Ibrahim A; Ghafoorunissa; Basak S; Nasreen Z Ehtesham : Impact of maternal dietary fatty acid composition on glucose and lipid metabolism in male rat offspring aged 105 d. *Br J Nutr.* 102 : 233-241, 2009.
- 16 Jeyakumar SM; Lopamudra P; Padmini Suryaprakash; Balakrishna N; Giridharan NV; Vajreswari A : Fatty acid desaturation index correlates with body mass and adiposity indices of obesity in Wistar NIN obese mutant rat strains WNIN/Ob and WNIN/GR-Ob. *Nutr Metab.,* 6 : 27-, 2009
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- 18 Megha Saraswat; Yadagiri Reddy P; Muthenna P; Bhanuprakash Reddy G : Prevention of non-enzymic glycation of proteins by dietary agents : prospects for alleviating diabetic complications. *Br J Nutr.* 101 : 1714-1721, 2009

- 19 Muthenna P; Suryanarayana P; Shravan KG; Mark Petrash J; Bhanuprakash Reddy G : Inhibition of aldose reductase by dietary antioxidant curcumin : Mechanism of inhibition, specificity and significance. *FEBS Lett.* 583 : 3637-3642, 2009
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- 24 Raghunath M; Venu L; Padmavathi IJN; Kishore YD; Ganeshan M; Anand Kumar K; Sainath PB; Rao KR : Modulation of macronutrient metabolism in the offspring by maternal micronutrient deficiency in experimental animals. *Indian J Med Res.* 130 : 655-665, 2009
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- 27 Shiny Nair; Ramaswamy PA; Sudip Ghosh; Joshi DC; Pathak N; Siddiqui I; Sharma P; Hasnain SE; Mande SC; Sangita Mukhopadhyay : The PPE18 of mycobacterium tuberculosis interacts with TLR2 and activates IL-10 induction in macrophage. *J Immunol.* 183 : 6269-6281, 2009
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- 31 Sudershan Rao V; Pratima Rao; Kalpagam Polasa : Food safety research in India : a review. *As J Food Ag-Ind.* 2 : 391-412, 2009
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- 36 Vasanthi S; Chumki Ganguly; Bhat RV : Utilization of mouldy sorghum and cassia tora through fermentation for feed purposes. *African J Biotech.* 8 : 6349-6354, 2009
- 37 Vasuprada Iyengar; Raghu P; Madhavan Nair K : Iron – zinc interaction during uptake in human intestinal Caco-2 cell line: Kinetic analyses and possible mechanism. *Indian J Biochem Biophys.* 46 : 299-306, 2009