

## SCIENTIFIC PUBLICATIONS - 2004

### A. PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

1. Anita Rachel, Durga Kumari V, Subramanian R, Chary KVR, Kanta Rao P : A Study of the structural characterization and cyclohexanol dehydrogenation activity of Cu/Y-Al<sub>2</sub>O<sub>3</sub> catalysts. *Indian J Chem.* 43A : 1172-1180, 2004.
2. Bamji MS, Murthy PVVS, Vishnuvardhan Rao M, Dangoria D : Impact of women health and nutrition entrepreneurs and mobilizers on health and nutrition of rural children and mothers' knowledge and health-related practices. *Regional Health Forum.* 8(1): 92 - 103, 2004.
3. Bhanuprakash Reddy G: Fluoride toxicity and oxidative stress. *Fluoride.* 37 (1): 43-44, 2004.
4. Bhargavi V, Khandare AL, Venkaiah K, Sarojini G: Mineral content of water and food in fluorotic villages and prevalence of dental fluorosis. *Biol.Trace Element Res.* 100 (3) : 195-203, 2004.
5. Chennaiah, S, Qadri SSSYH, Rama Rao SV, Shyamsunder G, Raghuramulu N : Cestrum diurnum leaf as a source of 1,25 (OH)<sub>2</sub> Vitamin D<sub>3</sub> improves egg shell thickness. *J. Steroid. Biochem. Mol. Biol.* 89-90: 589-594, 2004.
6. Ghafoorunissa, Hemalatha S, Vishnuvardhana Rao M: Sesame lignans enhance antioxidant activity of vitamin E in lipid peroxidation systems. *Mol. Cell Biochem.* 262 (1-2) : 195 - 202, 2004.
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9. Hemalatha S, Raghunath M, Ghafoorunissa: Dietary sesame (*Sesamum indicum* cultivar linn) oil inhibits iron-induced oxidative stress in rats. *Brit J Nutr.* 92: 581- 587, 2004.
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11. Kondapi AK, Neelima M, Mandraju RK, Sasikaran B, Subba Rao K : Analysis of age dependent changes of Topoisomerase II and in rat brain. *Int J Devl Neuroscience.* 22 : 19-30, 2004.
12. Nair KM, Bhaskaram P, Balakrishna N, Ravinder P, Sesikeran B : Response of hemoglobin, serum ferritin, and serum transferrin receptor during iron supplementation in pregnancy : A prospective study. *Nutrition.* 20 (10): 896-899, 2004.
13. Padmaja RJ, Pratima Rao, Bhat RV, Nadamuni Naidu A : Type, extent and use of colours in ready-to-eat (RTE) foods prepared in the non-industrial sector - A case study from Hyderabad, India. *Int J Food Sci Technol.* 39: 125-131, 2004.
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15. Pratima Rao, Bhat RV, Sudershan RV, Krishna TP, Naidu N: Exposure assessment to synthetic food colours of a selected population in Hyderabad, India. *Food Addit. Contam.* 21 (5) : 415 - 421, 2004.
16. Raghu P, Ghosh S, Soundarya K, Haseeb A, Aruna B, and Nasreen Z. Ehtesham: Dimerization of human recombinant resistin involves covalent and noncovalent interactions. *Biochem Biophys Res Commun.* 313 (3): 642-646, 2004.

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19. Satish Kumar M, Mrudula T, Mitra N, Bhanuprakash Reddy G: Enhanced degradation and decreased stability of eye lens -crystallin upon methyglyoxal modification. *Exp Eye Res.* 79(4): 577-583, 2004.
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22. Sreedhar B, Subramanian R, Madhavan Nair K: A protective role for zinc on intestinal peroxidative damage during oral iron repletion. *Biochem Biophys Res Commun.* 318: 992 - 997, 2004.
23. Sreeramulu D, Ramalakshmi BA, Balakrishna N, Raghuramulu N : Serum dehydroepiandrosterone and lipid peroxides in human volunteers of different age groups. *Indian J Clin Biochem.* 19(1): 79 - 82, 2004.
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## **B. PAPERS PUBLISHED IN PROCEEDINGS OF WORKSHOPS / CONFERENCES**

1. Ghafoorunissa: National facility for systematic analysis of foodstuffs. In "Towards National Nutrition Security", Nutrition Foundation of India, Silver Jubilee Symposium, 29th November -1st December 2004, New Delhi, NFI, 2004, p. 129-133.

2. Khandare AL, Hari kumar R, Venkaiah K, Gal Reddy Ch, Sivakumar B: Exploratory study on fluorosis in five districts (Vellore, Krishnagiri, Dharampuri, Salem and Erode). In National workshop on nutritional effects on fluorosis, held on 19th & 20th Nov 2004, at Tamilnadu Water and Drainage Board, 87-100pp, 2004.
3. Narayana AS, Khandare AL, Krishnamurthi MVRS: Mitigation of fluorosis in Nalgonda district vil-lages. In " 4th International Workshop on fluorosis prevention and defluoridation of water", ISFR, EnDeco, ICOH, Colombo, Sri Lanka held on 2nd -6th March 04
4. Raghunatha Rao D, Vijayapushpam T, Grace Maria Antony, Subba Rao GM, Rameshwar Sarma KV : Nutrition knowledge and dietary habits of school going adolescent girls in Hyderabad. Pro-ceedings of National Conference on human health and nutrition : A Biotechnological approach, December 12-13, 2004 : 84-89, 2004.
5. Rameshwar Sarma KV: Nutrition scenario in India - challenges and solutions. Proceedings of National Conference on human health and nutrition: A Biotechnological approach, December 12-13, 2004: 13-26, 2004.
6. Sivakumar B: Dual fortification of common salt-Technological hurdles and way ahead. In towards National Nutrition Security", Nutrition Foundation of India, Silver Jubilee Symposium, 29th Novem-ber -1st December 2004, New Delhi, NFI, 2004, p. 148-150
7. Subba Rao GM, Raghunatha Rao D, Venkaiah K, Dube AK, Rameshwar Sarma KV: Nutrition education for school children using FAO's global school-based programme - feeding minds, fighting hunger (FMFH). In Proceedings of UGC sponsored National Conference on human health and nutrition: A Biotechnological approach, Dec' 12-13, 2004, Botany Department, B.N.Bandodkar College of Science, Thane, Maharashtra, pp.94-100.
8. Veena Shatrugna, Gita Ramaswamy, Srividya Natarajan: Taking charge of our bodies: A health handbook for women, edited by K. Lalitha et.al. New Delhi, Penguin Books: PP 1-427, 2004.
9. Venkaiah K, Harikumar L, Khandare A, Gal Reddy Ch, Brahmam GNV, Sivakumar B: A Stastical model for estimation of population at risk of dental fluorosis using data from a rapid survey. In "National workshop on nutritional effects on fluorosis", 19th & 20th November 2004, held at Tamil Nadu Water Supply & Drainage Board, p.5, 2004.

## **C. POPULAR ARTICLES**

### **I. NUTRITION NEWS**

1. Arlappa N, Balakrishna N, Sharad Kumar, Brahmam GNV, Vijayaraghavan K: Nutritional status of the aged in rural India. Nutrition News. 25 (1&2) : 1-6, Jan/Apr' 2004.
2. Padmaja RJ, Pratima Rao, and Bhat RV: Food colours in ready-to-eat foods in unorganized sector - A Case study. Nutrition News. 25 (3&4): 1-6, July/Oct'2004.

### **II. OTHERS**

1. Dube AK: Mr. Chimney's paradox: A health communication perspective. Health Action. 17 (7): 14 - 17, 2004.
2. Subba Rao GM, Rameshwar Sarma KV: Ideal breakfast. Indian Express (Health page), dt. 22-6-2004.