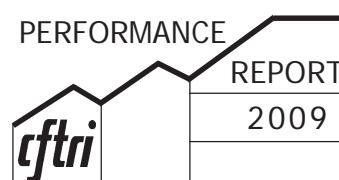


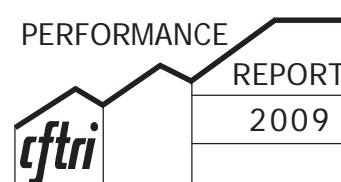
RESEARCH PAPERS PUBLISHED

- 1 Ajila C.M., Leelavathi K., Prasada Rao U.J.S., Improvement of dietary fiber content and antioxidant properties in soft dough biscuits with the incorporation of mango peel powder, *J. Cereal Sci.*, 2008, **48**, 319-326
- 2 Alka K., Suvendu Bhattacharya, Gelling behaviour of rice flour dispersions at different concentrations of solids and time of heating, *J. Texture Studies*, 2008 **39**, 231-251
- 3 Aneesh Mathew, Kudachikar V.B., Ravi R., Effect of gamma-irradiation on instrumental colour and textural characteristics of tomato stored under modified atmosphere packaging, *J. Food Sci. Technol.*, 2008, **45(6)**, 543-545
- 4 Anitha Gopal B., Muralikrishna G., Physico-chemical characteristics of native and pancreatic alpha- amylase digested cereal and finger millet starches, *J. Food Sci. Technol.*, 2008, **45(4)**, 300-304
- 5 Anitha Gopal B., Sridevi A. Singh, Muralikrishna G., Porcine pancreatic alpha amylase and its isoforms - Effect of deglycosylation by peptide-N-glycosidase F, *Intl. J. Biol. Macromolecules*, 2008, **43**, 100-105
- 6 Anuradha S.N., Prakash V., Structural stabilization of bovine beta-lactoglobulin in presence of polyhydric alcohols, *Ind. J. Biotechnol.*, 2008, **7**, 437-447
- 7 Anusha Srikanth, Halami P.M., Cloning of pediocin PA-1 and its immunity genes from *Pediococcus acidilactici* K7 using pAMJ shuttle vector into *Lactococcus lactis* MG1363, *Ind. J. Biotechnol.*, 2008, **7**, 550-553
- 8 Apurva Kumar R. Joshi, Rajini P.S., Reversible hyperglycemia in rats following acute exposure to acephate, an organophosphorus insecticide: Role of gluconeogenesis, *Toxicology*, 2009, **257**, 40-45
- 9 Ashwani Sharma, Vinod Kumar, Giridhar P., Ravishankar G.A., Induction of *in vitro* flowering in *Capsicum frutescens* under the influence of silver nitrate and cobalt chloride and pollen transformation, *Electronic J. Biotech.*, 2008, **11(2)**, 1-6
- 10 Ashwini A., Jyotsna R., Indrani D., Effect of hydrocolloids and emulsifiers on the rheological, microstructural and quality characteristics of eggless cake, *Food Hydrocolloids*, 2009, **23**, 700-707
- 11 Ayyappan A.A., Prapulla S.G., Corncob-Induced *endo*-1, 4-beta-d-xylanase of *Aspergillus oryzae* MTCC 5154: Production and characterization of Xylobiose from glucuronoxylan, *J. Agri. Food Chem.*, 2008, **56(11)**, 3981-3988
- 12 Babylatha R., Prabhdial Singh, Nasirullah, Thermo-oxidative changes in vegetable oil blends at frying conditions, *J. Lipid Sci. Technol.*, 2008, **40(2)**, 59-64.



- 13 Balasubramanian K., Vasudevamurthy R., Venkateshaiah S.U., Thomas A., Vishweshwara A., Dharmesh S.M., Galectin-3 in urine of cancer patients: stage and tissue specificity, *J. Cancer Res. Clin. Oncol.*, 2009, **135**, 355–363
- 14 Bharathi, Naghabhushan P., Rao K.S.J., Mathematical approach to understand the kinetics of alpha-synuclein aggregation: relevance to parkinson's disease, *Comp. Biol. Med.*, 2008, **38**, 1084-93
- 15 Bharathi, Rao K.S.J., Molecular understanding of Copper and Iron interaction with alpha-synuclein by fluorescence analysis, *J. Mol. Neurosci.*, 2008, **35**, 273-281
- 16 Bhaskar N., Benila T., Radha C., Lalitha R.G., Optimization of enzymatic hydrolysis of visceral waste proteins of Catla (*Catla catla*) for preparing protein hydrolysate using a commercial protease, *Biores. Technol.*, 2008, **99(2)**, 335-343
- 17 Bhaskar N., Mahendrakar N.S., Protein hydrolysates from visceral waste proteins of Catla (*Catla catla*): Optimization of hydrolysis conditions for a commercial neutral protease, *Biores. Technol.*, 2008, **99(10)**, 4105-4111
- 18 Bong Kyung Koh, Vasudeva Singh, Cooking behavior of rice and black gram in the preparation of *idli*, a traditional fermented product of Indian origin by viscotherapy, *J. Texture Studies*, 2009, **40**, 36-50
- 19 Chandini S.K., Ganesan P., Bhaskar N., *In vitro* antioxidant activities of three selected brown seaweeds of India, *Food Chem.*, 2008, **107**, 707-713
- 20 Chandini S.K., Malleshi N.G., Sila Bhattacharya, A comparison of selected quality attributes of flours: Effects of dry and wet grinding methods, *Intl. J. Food Properties*, 2008, **11(4)**, 845-857
- 21 Chandrasekhar K.N., Muralidhara, Oxidative alterations induced by D-aspartic acid in prepubertal rat testis *in vitro*: A mechanistic study, *Theriogenology*, 2008, **70**, 97-104
- 22 Chethan S., Sreerama Y.N., Malleshi N.G., Mode of inhibition of finger millet malt amylases by the millet phenolics, *Food Chem.*, 2008, **111**, 187-191
- 23 Chethana S., Ganapathi Patil, Madhusudhan M.C., Raghavarao K.S.M.S., Electrophoretic extraction of cells/particles in a counter current extractor, *Separation Sci. Technol.*, 2008, **43(14)**, 1-16
- 24 Devaraj K.B., Ramesh Kumar P., Prakash V., Purification, characterization and solvent-induced thermal stabilization of ficin from *Ficus carica*, *J. Agri. Food Chem.*, 2008, **56**, 11417-11423
- 25 Dinesh B.R., Ramesha Baba A., Udaya Sankar K., Channe Gowda D., Synthesis of indolones and quinolones by reductive cyclization of o-nitroaryl acids using zinc dust and ammonium formate, *J. Chem. Res.*, 2008, **5**, 287-288

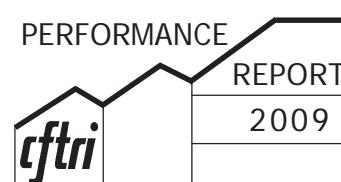
- 26 Dinesh Kumar N., Renu Agrawal, Preparation of a probiotic fermented milk using a native isolate of *Pediococcus pentosaceus* MTCC 5151, *Res. J. Biotechnol.*, 2008, **3(4)**, 28-31
- 27 Ganesan P., Chandini S.K., Bhaskar N., Antioxidant properties of methanol extract and its solvent fractions obtained from selected Indian red seaweeds, *Biores. Technol.*, 2008, **99(8)**, 2717-2723
- 28 Gangadhara B.N., Ramesh Kumar P., Prakash V., Enhancement of nuclease P1 activity in low concentration of denaturants, *Enz. Microbial. Technol.*, 2008, **43**, 336-342
- 29 Gangadhara B.N., Ramesh Kumar P., Prakash V., Influence of polyols on the stability and kinetic parameters of invertase from *Candida utilis*: Correlation with the conformational stability and activity, *Protein J.*, 2008, **27**, 440-449
- 30 Guna Sekhar P.M., Prakash V., Interaction of selected cosolvents with bovine alpha-lactalbumin, *Intl. J. Biol. Macromol.*, 2008, **42**, 348–355
- 31 Harish Babu B.N., Mahesh P.A., Venkatesh Y.P., A cross-sectional study on the prevalence of food allergy to eggplant (*Solanum melongena L.*) reveals female predominance, *Clin. Exp. Allergy*, 2008, **38**, 1795-1802
- 32 Jayadeep A., Vasudeva Singh, Sathyendra Rao B.V., Srinivas A., Ali S.Z., Effect of physical processing of commercial de-oiled rice bran on particle size distribution, and content of chemical and bio-functional components, *Food Bioprocess Technol.*, 2009, **2**, 57-67
- 33 Jeyarani T., Mohammed Imtiyaz Khan, Sakina Khatoon, Trans-free plastic shortenings from coconut stearin and palm stearin blends, *Food Chem.*, 2009, **114**, 270-275
- 34 June odelia Swer, Yella Reddy S., Effect of sucrose mono ester on rheology of chocolate, *J. Food Sci. Technol.*, 2008, **45(5)**, 447-449
- 35 Jyothi M. Veigas, Richa Shrivastava, Bhagyalakshmi N., Efficient amelioration of carbon tetrachloride induced toxicity in isolated rat hepatocytes by *Syzygium cumini* skeels extract, *Toxicology in vitro*, 2008, **22(6)**, 1440-1446
- 36 Jyothirmayi T., Narsing Rao G., Rao D.G., Physicochemical changes during processing and storage of green chilli (*Capsicum annuum*) powders, *J. Food Process. Preser.*, 2008, **32**, 868-880
- 37 Kiran Kumar M.N., Harish Babu B.N., Venkatesh Y.P., Higher histamine sensitivity in non-atopic subjects by skin prick test may result in misdiagnosis of eggplant allergy, *Immunol. Invest.*, 2009, **38**, 93-103
- 38 Kiran Kumar P.M., Badarinath V., Halami P.M., Isolation of antiliserial bacteriocin producing *Lactococcus lactis* CFR B3 from beans (*Phaseolus vulgaris*), *Internet. J. Microbiol.*, 2009, **6**, 1-5



- 39 Kisan B. Jadhav, Rajini P.S., Evaluation of sublethal effects of dichlorvos upon *Caenorhabditis elegans* based on a set of end points of toxicity, *J. Biochem. Mol. Toxicol.*, 2008, **22**, 1-9
- 40 Kumaresan N., Sanjay K.R., Venkatesh K.S., Ravi Kumar K., Vijayalakshmi G., Umesh Kumar S., Partially saturated canthaxanthin purified from *Aspergillus carbonarius* induces apoptosis in prostate cancer cell line, *Appl. Microbiol. Biotechnol.*, 2008, **80**, 467-473
- 41 Lakshminarayana R., Aruna G., Sangeetha R., Bhaskar N., Divakar S., Baskaran V., Possible degradation/biotransformation of lutein *in vitro* and *in vivo*: Isolation and structural elucidation of lutein metabolites by HPLC and LC-MS (atmospheric pressure chemical ionization), *Free Radical Biology Medicine*, 2008, **45**, 982–993
- 42 Lingaraju M.H., Lalitha R. Gowda., A Kunitz trypsin inhibitor of *Entada scandens* seeds: Another member with single disulfide bridge, *Biochim. Biophys. Acta*, 2008, **1784**, 850-855
- 43 Madhavi Latha G., Muralikrishna G., Optimized procedure for the isolation of acetic acid esterase from malted finger millet (*Eleusine coracana*), *J. Food Sci. Technol.*, 2008, **45(4)**, 295-299
- 44 Madhusudhan M.C., Raghavarao K.S.M.S., Sanjay Nene, Integrated process for extraction and purification of alcohol dehydrogenase from baker's yeast involving precipitation and aqueous two phase extraction, *Biochem. Engg. J.*, 2008, **38(3)**, 414- 420
- 45 Mamatha B.S., Maya Prakash, Nagarajan S., Bhat K.K., Evaluation of the flavour quality of pepper (*Piper nigrum* L) cultivars by GC-MS, electronic nose and sensory analysis techniques, *J. Sensory Studies*, 2008, **23**, 498-513
- 46 Manjula S., Subramanian R., Enriching oryzanol in rice bran oil using membranes, *Applied Biochem. Biotech.*, 2008, **151**, 629-637
- 47 Manjunatha H., Srinivasan K., Hypolipidemic and antioxidant potency of heat processed turmeric and red pepper in experimental rats, *African J. Food Sci.*, 2008, **2**, 1-6
- 48 Manohar B., Udaya Sankar K., Enrichment of bakuchiol in supercritical carbon dioxide extracts of chiba seed (*Psoralea corylifolia* L.) using molecular distillation - Response surface methodology, *Biotechnol. Bioprocess Engg.*, 2009, **14**, 112-117
- 49 Manu B.T., Prasada Rao U.J.S., Calcium modulated activity enhancement and thermal stability study of a cationic peroxidase purified from wheat bran, *Food Chem.*, 2009, **114**, 66-71
- 50 Modi V.K., Maya Prakash, Quick and reliable screening of compatible ingredients for the formulation of extended meat cubes using Plackett-Burman design, *LWT Food Sci. Technol.*, 2008, **41**, 878-882



- 51 Modi V.K., Sakhare P.Z., Sachindra N.M., Mahendrakar N.S., Changes in quality of minced meat from goat due to gamma irradiation, *J. Muscle Foods*, 2008, **19(4)**, 430-442
- 52 Modi V.K., Sheela P.N., Mahendrakar N.S., Egg albumen cubes and egg yolk cubes and their quality changes during storage, *J. Food Sci. Technol.*, 2008, **45(2)**, 161-165
- 53 Mohammed Imtiyaz Khan, Asha M.R., Bhat K.K., Sakina Khatoon, Studies on quality coconut oil blends after frying potato chips, *J. American Oil Chem. Soc.*, 2008, **85**, 1165-1172
- 54 Mustak M.S., Rao T.S.S., Shanmugavelu P., Shama Sundar N.M., Rani B. Menon, Rao R.V., Rao K.S.J., Assessment of serum macro and trace element homeostasis and the complexity of inter-element relations in bipolar mood disorders, *Clinica. Chemica Acta.*, 2008, **394**, 47-53
- 55 Muthamma Milan K.S., Hemang Dholakia, Purnima Kaul Tiku, Prakash V., Enhancement of digestive enzymatic activity by cumin (*Cuminum cyminum L.*) and role of spent cumin as a bionutrient, *Food Chem.*, 2008, **110**, 678-683
- 56 Nadler Y., Alexandrovich A., Grigoriadis N., Hartmann T., Rao K.S.J., Shohami E., Stein R., Increased expression of the gamma-secretase components presenilin-1 and nicastrin in activated astrocytes and microglia following traumatic brain injury, *GLIA*, 2008, **56**, 552-567
- 57 Nakkeeran E., Subramanian R., Umesh Kumar S., Improving specific activity of *Aspergillus carbonarius* polygalacturonase using polymeric membranes, *Applied Biochem. Biotechnol.*, 2008, **151**, 233-243
- 58 Nandita Singh, Rajini P.S., Antioxidant-mediated protective effect of potato peel extract in erythrocytes against oxidative damage, *Chemico-Biological Interactions*, 2008, **173**, 97-104
- 59 Nandita Singh, Vasudeva Kamath, Narasimhamurthy K., Rajini P.S., Protective effect of potato peel extract against carbon tetrachloride-induced liver injury in rats, *Environ. Toxicol. Pharmacol.*, 2008, **26(2)**, 241-246
- 60 Nanditha B., Jena B.S., Prabhasankar P., Influence of natural antioxidants and their carry-through property in biscuit processing, *J. Sci. Food Agri.*, 2009, **89**, 288-298
- 61 Narayan A.V., Madhusudhan M.C., Raghavarao K.S.M.S., Extraction and purification of *Ipomoea* peroxidase employing three phase partitioning, *Applied Biochem. Biotech.*, 2008, **151(2-3)**, 263-272
- 62 Narsing Rao G., Prabhakara Rao P.G., Jyothirmayi T., Rao D.G., Chemical composition, standardization and storage studies on raw mango chutney powder, *J. Food Sci. Technol.*, 2008, **45(5)**, 436-438
- 63 Narsing Rao G., Rao D.G., Jyothirmayi T., Protein solubility and functional properties of Quamachil (*Pithecellobium dulce L.*) seed flour, *J. Food Sci. Technol.*, 2008, **45(6)**, 480-483



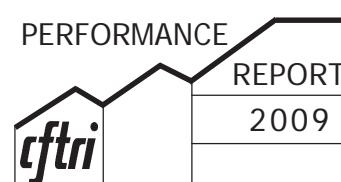
- 64 Nasirullah., Jeyarani T., Rakshitha D., Isolation and antioxidant efficacy of nutraceutical concentrates from sesame and flax seed oils, *J. Food Sci. Technol.*, 2009, **46(1)**, 66-69
- 65 Negi P.S., Jayaprakasha G.K., Jena B.S., Antibacterial activity of the extracts from the fruit rinds of *Garcinia cowa* and *Garcinia pedunculata* against food borne pathogens and spoilage bacteria, *LWT- Food Sci. Technol.*, 2008, **41**, 1857-1861
- 66 Pankaj Sharma, Chakkavarthi A., Vasudeva Singh, Subramanian R., Grinding characteristics and batter quality of rice in different wet grinding systems, *J. Food Engg.*, 2008, **88(4)**, 499-506
- 67 Parimalan R., Giridhar P., Ravishankar G.A., Mass multiplication of *Bixa orellana* L. through tissue culture for commercial propagation, *Industrial Crops Products*, 2008, **28**, 122-127
- 68 Parvathy K.S., Negi P.S., Srinivas P., Antioxidant, antimutagenic and antibacterial activities of curcumin-beta-diglucoside, *Food Chem.*, 2009, **115**, 265-271
- 69 Ponrasu T., Einstein Charles R., Sivakumar R., Divakar S., Syntheses of alpha-tocopheryl glycosides by glucosidases, *Biotechnol. Lett.*, 2008, **30**, 1431-1439
- 70 Pushpa S. Murthy, Ramalakshmi K., Srinivas P., Fungi toxic activity of Indian borage (*Plectranthus amboinicus*) volatiles, *Food Chem.*, 2009, **114**, 1014-1018
- 71 Raj R. Kumar, Purnima Kaul T., Prakash V., Preferential extractability of gamma-oryzanol from dried soapstock using different solvents, *J. Sci. Food Agri.*, 2009, **89**, 195-200
- 72 Rajasekaran T., Ramakrishna A., Udaya Sankar K., Giridhar P., Ravishankar G.A., Analysis of predominant steviosides in *Stevia rebaudiana bertoni* by liquid chromatography/electrospray ionization - mass spectrometry, *Food Biotechnol.*, 2008, **22**, 179-180
- 73 Rajendran S., Lalith Kumar V., Sriranjini V., Fumigation of grain stacks with sulfuryl fluoride, *Intl. Pest Control*, 2008, **40(4)**, 192-195
- 74 Rajini P.S., Paul Melstrom, Phillip L. Williams, A comparative study on the relationship between various toxicological endpoints in *Caenorhabditis elegans* exposed to organophosphorus insecticides, *J. Toxicol. Environ. Health Part A*, 2008, **71**, 1043-1050
- 75 Rajni Chopra, Sambaiah K., Incorporation of long chain n-3 PUFA into rice bran oil by enzymatic acidolysis, *J. Food Sci. Technol.*, 2009, **46(1)**, 26-30
- 76 Rajni Chopra, Sambaiah K., Effects of rice bran oil enriched with n-3 PUFA on liver and serum lipids in rats, *Lipids*, 2009, **44**, 31-40
- 77 Rakshit K.D., Darukeshwara J., Rathina Raj K., Narasimhamurthy K., Saibaba P., Bhagya Swamylingappa, Toxicity studies of

- detoxified *Jatropha* meal (*Jatropha curcas*) in rats, *Food Chem. Toxicol.*, 2008, **46**, 3621-3625
- 78 Ramakrishna B.V., Jayaprakasha G.K., Jena B.S., Singh R.P., Antioxidant activities of roselle (*Hibiscus sabdariffa*) calyces and fruit extracts, *J. Food Sci. Technol.*, 2008, **45(3)**, 223-227
- 79 Ramaswamy K., Individual and combined effect of thymol, carvacrol and *D. hamiltonii* root extract on the growth of *A. Parasiticus* and *F. Moniliforme*, *Asian J. Microbiol. Biotech. Environ. Sci.*, 2008, **10(4)**, 867-872
- 80 Ravindra Babu B., Rastogi N.K., Raghavarao K.S.M.S., Concentration and temperature polarization effects during osmotic membrane distillation, *J. Membrane Sci.*, 2008, **322**, 146-153
- 81 Ravindra Babu B., Rastogi N.K., Raghavarao K.S.M.S., Mass transfer in osmotic membrane distillation of liquid foods, *Chemical Business*, 2008, **22(9)**, 51-55
- 82 Rekha C.R., Vijayalakshmi G., Biomolecules and nutritional quality of soymilk fermented with probiotic yeast and bacteria, *Appl. Biochem. Biotechnol.*, 2008, **151**, 452-463
- 83 Roopa B.S., Suvendu Bhattacharya, Alginate gels: Rupture characteristics as a function of the conditions of gel formation, *J. Food Engg.*, 2009, **91**, 448-454
- 84 Sadeghi Mahoonak A.R., Bhagya Swamylingappa, Quality characterization of pasta enriched with mustard protein isolate, *J. Food Sci.*, 2008, **73**, 229-237
- 85 Sahu R.K., Prakash V., Mechanism of prevention of aggregation of proteins: A case study of aggregation of alpha-globulin in glycerol, *Intl. J. Food Prop.*, 2008, **11**, 613-623
- 86 Sakthivelu G., Akitha Devi M. K., Giridhar P., Rajasekaran T., Ravishankar G. A., Nikolova M.T., Angelov G.B., Todorova R.M., Kosturkova G.P., Isoflavone composition, phenol content, and antioxidant activity of soybean seeds from India and Bulgaria, *J. Agri. Food Chem.*, 2008, **56**, 2090-2095
- 87 Sakthivelu G., Akitha Devi M.K., Giridhar P., Rajasekaran T., Ravishankar G.A., Nedev T., Kosturkova G., Drought-induced alterations in growth, osmotic potential and *in vitro* regeneration of soybean cultivars, *Gen. Appl. Plant Physiol.*, 2008, **34(1-2)**, 103-112
- 88 Sandesh Kamath B., Srikanta B.M., Shylaja M. Dharmesh, Sarada R., Ravishankar G.A., Ulcer preventive and antioxidant properties of astaxanthin from *H. pluvialis*, *Eur. J. Pharmacol.*, 2008, **500**, 387-395
- 89 Sandesh Kamath B., Vidhyavathi R., Sarada R., Ravishankar G.A., Enhancement of carotenoids by mutation and stress induced carotenogenic genes in *Haematococcus pluvialis* mutants, *Biores. Technol.*, 2008, **99**, 8667-8673
- 90 Sangeetha R., Bhaskar N., Baskaran V., Fucoxanthin restrains oxidative stress induced by retinol deficiency through modulation of Na⁺K⁺-ATPase and antioxidant enzyme activities in rats, *Eur. J. Nutr.*, 2008, **47**, 432-441



- 91 Seema M. Naik, Jayaprakasha G.K., Singh R.P., Antioxidant activity of custard apple (*Annona squamosa*) peels and seed extracts, *J. Food Sci., Technol.*, 2008, **45(4)**, 349-352
- 92 Selva Kumar S., Chouhan R.S., Thakur M.S., Enhancement of chemiluminescence for vitamin B12 analysis, *Analytical Biochem.*, 2009, **388**, 312-316
- 93 Shinomol G., Muralidhara, Effect of *Centella asiatica* leaf powder on oxidative markers in brain regions of prepubertal mice *in vivo* and its *in vitro* efficacy to ameliorate 3-NPA-induced oxidative stress in mitochondria, *Phytomedicine*, 2008, **15**, 971-984
- 94 Shinomol G., Muralidhara, Prophylactic neuroprotective property of *Centella asiatica* against 3-nitropropionic acid induced oxidative stress and mitochondrial dysfunctions in brain regions of prepubertal mice, *Neurotoxicol.*, 2008, **29**, 948-957
- 95 Shivaramaiah H.M., Lenin Kumar, Detection of organophosphate insecticides residues in fruits and vegetables in market samples of Mysore, India, *Green Farming*, 2008, **1(9)**, 7-10
- 96 Shobha M.S., Tharanathan R.N., Nonspecific activity of *Bacillus acidopullulyticus* pullulanase on debranching of guar galactomannan, *J. Agri. Food Chem.*, 2008, **56**, 10858-10864
- 97 Shobha M.S., Tharanathan R.N., Rheological behavior of pullulanase- treated guar galactomannan on co-gelation with xanthan, *Food Hydrocoll.*, 2009, **23**, 749-754
- 98 Sila Bhattacharya, Narasimha H.V., Effect of raw material characteristics on the properties of fried rice - blackgram dough, *Intl. J. Food Sci. Nutrition*, 2008, **59(6)**, 502-511
- 99 Sivakumar R., Divakar S., Enzymatic syntheses of dopamine glycosides, *Enzyme Microbial. Technol.*, **44**, 2008, 33-39
- 100 Sivakumar R., Ponrasu T., Divakar S., Syntheses of dopa glycosides using glucosidases, *Glycoconjugate J.*, 2008, **26**, 199-209
- 101 Smitha S., Jyotsna Rajiv, Khyrunnisa Begum, Indrani D., Effect of hydrocolloids on rheological, microstructural and quality characteristics of *parotta* - an unleavened Indian flat bread, *J. Texture studies*, 2008, **39**, 267-283
- 102 Sourav Kumar G., Alok K. Srivastava, Prasad Rao U.J.S., Haridas Rao P., Studies on gluten proteins and farinograph characteristics of wheat flour mill streams, *J. Food Sci. Technol.*, 2009, **46(1)**, 21-25
- 103 Sowbhagya H.B., Purnima Kaul T., Suma P. Florence, Appu Rao A.G., Srinivas P., Evaluation of enzyme assisted extraction on quality of garlic volatile oil, *Food Chem.*, 2008, **113**, 1234-38
- 104 Sreedhar R.V., Roohie K., Maya P., Venkatachalam L., Bhagyalakshmi N., Biotic elicitors enhance flavour compounds during accelerated curing of vanilla beans, *Food Chem.*, 2009, **112**, 461-468

- 105 Sreerama Y.N., Sashikala V.B., Pratape V.M., Effect of enzyme pre-dehulling treatments on dehulling and cooking properties of legumes, *J. Food Engg.*, 2009, **92**, 389-395
- 106 Sreerama Y.N., Sashikala V.B., Pratape V.M., Expansion properties and ultrastructure of legumes: Effect of chemical and enzyme pre-treatments, *LWT- Food Sci. Technol.*, 2009, **42**, 44-49
- 107 Srinivas S., Prakash V., Effect of cosolvents on the stabilization of bioactive peptides from bovine milk alpha-casein, *Protein Peptide Letters*, 2008, **15**, 371-376
- 108 Srinivasan K., Kalpana Platel, Rao M.V.L., Hypotriglyceridemic effect of dietary vanillin in experimental rats, *Eur. Food Res. Technol.*, 2008, **228**, 103-108
- 109 Srinivasan M.R., Chandrasekhara N., Srinivasan K., Cholesterol lowering activity of mango ginger (*Curcuma amada Roxb.*) in induced hypercholesterolemic rats, *Eur. Food Res. Technol.*, 2008, **227**, 1159-1163
- 110 Sriranjini V., Rajendran S., Efficacy of sulfuryl fluoride against insect pests of stored food commodities, *Pestology*, 2008, **32**, 32-37
- 111 Sriranjini V., Rajendran S., Sorption of sulfuryl fluoride by food commodities, *Pest Management Science*, 2008, **64**, 873-879
- 112 Sudha M.L., Leelavathi K., Relationship between the protein content and cookie-making quality of different mill streams, *Adv. Food Sci.*, 2008, **30**, 70-77
- 113 Sulochanamma G., Ramalakshmi K., Borse B.B., Stabilization of flavour volatiles of basil (*Ocimum basilicum L.*), *J. Food Sci. Technol.*, 2009, **46(1)**, 54-57
- 114 Sumithra B., Sila Bhattacharya, Toasting of corn flakes: Product characteristics as a function of processing conditions, *J. Food Engg.*, 2008, **88(3)**, 419-428
- 115 Supriya Veda, Kalpana Platel, Srinivasan K., Influence of food acidulants and antioxidant spices on the bioaccessibility of beta-carotene from selected vegetables, *J. Agri. Food Chem.*, 2008, **56**, 8714-8719
- 116 Suresh D., Gurudutt K.N., Srinivasan K., Degradation of bioactive spice compound: curcumin during domestic cooking, *Eur. Food Res. Technol.*, 2009, **228**, 807-812
- 117 Thimmaraju R., Venkatachalam L., Bhagyalakshmi N., Morphometric and biochemical characterization of red beet (*Beta vulgaris L.*) hairy roots obtained after single and double transformations, *Plant Cell Reports*, 2008, **27**, 1039-1052
- 118 Thyagaraju B.M., Muralidhara, Ferulic acid supplements abrogate oxidative impairments in liver and testis in the streptozotocin – diabetic rats, *Zoological Sci.*, 2008, **25**, 854-860
- 119 Thyagaraju B.M., Muralidhara, Vulnerability of prepubertal mice testis to iron induced oxidative dysfunctions *in vivo* and its functional implications, *Intl. J. Fertility Sterility*, 2008, **1(4)**, 145-154



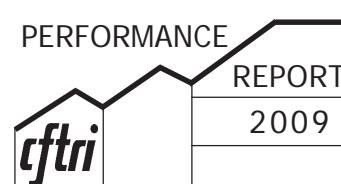
- 120 Thyagaraju B.M., Shrilatha B., Muralidhara, Oral supplementation of beta-carotene significantly ameliorates testicular oxidative stress in the streptozotocin – diabetic rats, *Intl. J. Fertility & Sterility*, 2008, **2(2)**, 74-81
- 121 Udaya Sankar K., Siddharth Pillai, Environmentally benign synthesis of Solanesyl Oleate in compressed carbon dioxide medium, *Synthetic Communications*, 2009, **39(2)**, 371-376
- 122 Vasudeva Singh, Ali S.Z., Properties of starches modified by different acids, *Intl. J. Food Properties*, 2008, **11**, 495-507
- 123 Vasudevaraju P., Rao S.M.M., Rao K.S.J., Studies on Actinomycin D induced changes in supercoiled DNA integrity, *Curr. Trends Biotechnol. Pharmacy*, 2008, **2(3)**, 433-441
- 124 Veer Bala Gupta, Indi S.S., Rao K.S.J., Garlic extract exhibits anti amyloidogenic activity on amyloid-beta fibrillogenesis: Relevance to Alzheimer's disease, *Phytotherapy Res.*, 2008, **23**, 111-115
- 125 Veer Bala Gupta, Indi S.S., Rao K.S.J., Studies on the role of amino acid stereospecificity on amyloid beta aggregation, *J. Mol. Neurosci.*, 2008, **34**, 35-43
- 126 Velu V., Nagender A., Satyanarayana A., Rao D.G., Studies on effect of sheeting methods on the expansion of papads during deep fat frying using scanning electron microscopy, *J. Food Process. Preser.*, 2008, **32**, 669-680
- 127 Venkatachalam L., Bhagyalakshmi N., Spermine-induced morphogenesis and effect of partial immersion system on the shoot cultures of banana, *Applied Biochem. Biotechnol.*, 2008, **151**, 502-511
- 128 Vidhyavathi R., Venkatachalam L., Sarada R., Ravishankar G.A., Regulation of carotenoid biosynthetic genes expression and carotenoid accumulation in the green alga *Haematococcus pluvialis* under nutrient stress conditions, *J. Experimental Botany*, 2008, **59(6)**, 1409-1418
- 129 Vijayalakshmi B., Suresh Kumar G., Salimath P.V., Effect of bitter gourd and spent turmeric on glycoconjugate metabolism in streptozotocin-induced diabetic rats, *J. Diabetes Complicat.*, 2009, **23**, 71-76
- 130 Vijayendra S.V.N., Palanivel G., Mahadevamma S., Tharanathan R.N., Physico-chemical characterization of an exopolysaccharide produced by a non-ropy strain of *Leuconostoc* sp. CFR 2181 isolated from *dahi*, an Indian traditional lactic fermented milk product, *Carbohydrate Polymers*, 2008, **72**, 300-307
- 131 Vijayendra S.V.N., Sharat Babu R.S., Optimization of a new heteropolysaccharide production by a native isolate of *Leuconostoc* sp. CFR-2181, *Lett. Appl. Microbiol.*, 2008, **46**, 643-648
- 132 Vijayendra S.V.N., Veeramani S., Shamala T.R., Optimization of polyhydroxybutyrate production by beta-carotene producing strain of *Micrococcus* sp., *J. Food Sci. Technol.*, 2008, **45(6)**, 506-509

- 133 Vijayendra S.V.N., Yutaka Kashiwagi, Characterization of a new acid stable exo-beta-1,3-glucanase of *Rhizoctonia solani* and its action on microbial polysaccharides, *Intl. J. Biol. Macromolecules*, 2009, **44**, 92-97
- 134 Vinayaka A.C., Shabana Basheer M., Thakur M.S., Bioconjugation of CdTe quantum dot for the detection of 2,4-dichlorophenoxyacetic acid by competitive fluoroimmunoassay based biosensor, *Biosensor Bioelect.*, 2009, **24**, 1615-1620
- 135 Vishwanatha K.S., Appu Rao A.G., Sridevi Annapurna Singh, Characterization of acid protease expressed from *Aspergillus oryzae* MTCC 5341, *Food Chem.*, 2009, **114**, 402-407
- 136 Vivek Kumar Gupta, Lalitha R. Gowda, Alpha-1-proteinase inhibitor is a heparin binding serpin: Molecular interactions with the Lys rich cluster of helix-F domain, *Biochimie*, 2008, **90**, 749-761
- 137 Vivek Kumar Gupta, Lalitha R. Gowda, Conformational changes of ovine alpha-1-proteinase inhibitor: The influence of heparin binding, *J. Mol. Struct.*, 2008, **891**, 456-462
- 138 Yashoda K.P., Modi V.K., Jagannatha Rao R., Mahendrakar N.S., Eggs chips prepared by using different millet flours as binders and changes in product quality during storage, *Food Control*, 2008, **19**, 170-177
- 139 Zarena A.S., Udaya Sankar K., A study of antioxidant properties from *Garcinia Mangostana* L. pericarp extract, *Acta Sci. Pol. Technol. Aliment.*, **8(1)**, 2009, 23-24
- 140 Zarena A.S., Udaya Sankar K., Screening of xanthones from mangosteen (*Garcinia Mangostana* L.) peels and their effect on cytochrome c reductase and phosphomolybdneum activity, *J. Natural Products*, 2009, **2**, 23-30

BOOK CHAPTERS, REVIEWS AND PAPERS IN PROCEEDINGS

a) Book Chapters

- 1 Bhaskar N., Chandini S.K., Sashima T., Maeda H., Hosokawa M., Miyashita K., Composition, functionality and potential applications of seaweed lipids. In: Biocatalysis and Bioenergy, Ed: Hou CT, Jei-Rt Shaw, Published by: John Wiley & Sons (USA), 2008, 463-490
- 2 Negi P.S., Handa A.K., Structural deterioration of the produce: The breakdown of cell wall components. In: Postharvest Biology and Technology of Fruits, Vegetables and Flowers, Ed: Gopinadhan Paliyath, Dennis P Murr, Avtar K. Handa and Susan Lurie, Published by: Wiley-Blackwell Publications, Iowa (USA), 2008, 162-194
- 3 Srinivasan K., Fenugreek and traditional antidiabetic herbs of Indian origin, In: Nutraceuticals, Glycemic health and Type 2 diabetes, Ed: Vijai K Pasupuleti, Jones W. Anderson, Published by: Blackwell Publishing Co., (USA), 2008, 355-431



b) Reviews

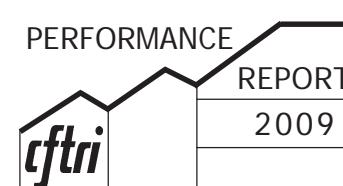
- 1 Bharathi, Vasudevaraju P., Govindaraju M., Palanisamy A.P., Sambamurti K., Rao K.S.J., Molecular toxicity of aluminium in relation to neurodegeneration, *Ind. J. Med. Res.*, 2008, **128**, 184-196
- 2 Chitra V., Demos C.M., Rao K.S.J., Pappolla M.A., Sambamurti K., Beta-secretase: Structure, function and evolution, *CNS and neurological disorders – drug targets*, 2008, **7**, 278-294
- 3 George S.E., Ramalakshmi K., Jagan Mohan Rao L., A perception on health benefits of coffee, *Critical Reviews in Food Science and Nutrition*, 2008, **48**, 464 – 486
- 4 Hebbar H.U., Rastogi N.K., Subramanian R., Properties of dried and intermediate moisture honey product : A review, *Intl. J. Food Properties*, 2008, **11**, 804-819
- 5 Kalpana Patel, Srinivasan K., All that you eat is not what you really get, *Indian Food Industry*, 2008, **27(5)**, 31-35
- 6 Nanditha B., Prabhakar P., Antioxidants in bakery products - A review, *Critical Reviews in Food Sci. Nutrition*, 2009, **49**, 1-27
- 7 Prema Viswanath, Hemalatha G., *Clostridium botulinum* - Revisited, *Indian Food Industry*, 2008, **27(6)**, 36-47
- 8 Ramalakshmi K., Jagan Mohan Rao L., Low grade coffee beans: An alternate use, *Food Review Indonesia*, 2008, **3(9)**, 30-33
- 9 Shylaja M. Dharmesh, Srikanta B.M., Ginger – *Zinziber officinale* – An antiulcer herb: A paradigm of allopathy versus traditional, *Recent Progress in Medicinal Plants - Chemistry & Medicinal Value*, 2009, **25**, 375 - 402
- 10 Srinivasan K., Reason to season: Spices as functional food adjuncts with multiple health effects, *Indian Food Industry*, 2008, **27(5)**, 36-47
- 11 Sudhakar Singh, Singh R.P., *In vitro* methods of assay of antioxidants: An overview, *Food Reviews Intl.*, 2008, **24**, 392-415
- 12 Vasudeva Singh, Ali S.Z., Studies on acid modified starches: A review, *Trends in Carbohydrate Research*, 2009, **1(1)**, 1-17

c) Short Communications, Short Notes and Editorial Notes

- 1 Ayyappan A.A., Prapulla S.G., Value addition to corncob: Production and characterization of xylooligosaccharides from alkali pretreated lignin-saccharide complex using *Aspergillus oryzae* MTCC 5154, *Biores. Technol.*, 2009, **100(2)**, 991-995
- 2 Charles R.E., Divakar S., Beta-glucosidase catalysed syntheses of pyridoxine glycosides, *Biosci. Biotech. Biochem.*, 2009, **73(1)**, 233-236
- 3 Ganapathi Patil, Chethana S., Madhusudhan M.C., Raghavarao K.S.M.S., Fractionation and purification of the phycobiliproteins from *Spirulina platensis*, *Bioresource Technol.*, 2008, **99**, 7393–7396



- 4 Mahendra Kumar C., Sathisha U.V., Shylaja M. Dharmesh, Appu Rao A.G., Sridevi A. Singh., Effect of sesamol, a potent tyrosinase inhibitor, on melanin and melanin synthesizing melanoma cells, *FASEB J.*, 2008, **22**, 1062.1
- 5 Ponrasu T., Manohar B., Divakar S., A response surface methodological study on prediction of glucosylation yields of thiamin using immobilized beta-glucosidase, *Process Biochem.*, 2009, **44**, 251-255
- 6 Prabhakara Rao P.G., Balaswamy K., Velu V., Jyothirmayi T., Satyanarayana A., Products from grapes of low soluble solids and their quality evaluation, *J. Food Sci. Technol.*, 2009, **46(1)**, 77-79
- 7 Puneeth Kumar A., Nandini C.D., Salimath P.V., Changes in laminin binding to basement membrane constituents during diabetes and effect of dietary fibre and butyric acid, *Glycobiology*, 2008, **18(11)**, 961
- 8 Sachindra N.M., Bhaskar N., *In vitro* antioxidant activity of liquor from fermented shrimp biowaste, *Biores. Technol.*, 2008, **99**, 9013-9016
- 9 Sathisha U.V., Shylaha M. Dharmesh, Modulation of galectin-3 by a dietary galectin inhibitor - *Decalepis hamiltonii*, *Glycobiology*, 2008, **18(11)**, 966
- 10 Satyanarayana Rao T.S., Asha M.R., Ramesh B.N., Jagannatha Rao K.S., Understanding nutrition, depression and mental illness, *Indian J. Psychiatry*, 2008, **50(2)**, 77-82
- 11 Shobhana Garg, Pankaj Sharma, Jayaprakashan S.G., Subramanian R., Spray evaporation of liquid foods, *LWT - Food Sci. Technol.*, 2008, 1-6
- 12 Sreedhar R.V., Venkatachalam L., Thimmaraju R., Narayan M.S., Bhagyalakshmi N., Ravishankar G.A., Direct organogenesis from leaf explants of *Stevia rebaudiana* and cultivation in bioreactor, *Biologia Plantarum*, 2008, **52(2)**, 355-360
- d) **Proceedings**
- Anandharamakrishnan C., Gimbu J., Stapley A.G.F., Rielly C.D., A study on particle histories during spray drying using computational fluid dynamic simulations, Bhaskar N. Thorat (Ed.), In: *Proceedings of the 16th International Drying Symposium*, Hyderabad, 9-12 November, 2008, 265-272
 - Anandharamakrishnan C., Gimbu J., Stapley A.G.F., Rielly C.D., Application of computational fluid dynamic simulations to spray-freezing operations, Bhaskar N. Thorat (Ed.), In: *Proceedings of the 16th International Drying Symposium*, Hyderabad, 9-12 November, 2008, 537-545
 - Mahakuteshwar H.Y., Padmavathi T., Sanjailal K.P., Eprints @ CFTRI: Institutional repository of Central Food Technological Research Institute – A case study, Dhawan S.M., Goswami P.R., Jain P.K., Tariq Ashraf, Debal C. Kar (Eds.), In: *Proc. International Conference on Asian Special Libraries*, New Delhi, 26-28 November, 2008, 243-254



- 4 Vinod K. Huria, Additives in food products functions and safety, Khanna R.S., Adhikari J. (Eds.), In: *National Seminar on Non biological contaminants in food, feed and their safety standards*, New Delhi, 23-24 September, 2008, 112-120
- 4 Ranga Rao G.C.P., Flexible packaging on a roll, *Modern Food Processing*, 2008, **3(10)**, 50-55
- 5 Ranga Rao G.C.P., Evolution in food packaging – Meeting quality needs, *Modern Food Processing*, 2008, November, 74-76
- 6 Ranga Rao G.C.P., Rendering commercial sterility - Retorts are the most critical components of technology of ready-to-eat foods, *Times Food Processing Journal*, 2008, **6(2)**, 24-28

e) Articles

- 1 Indiramma A.R., Securing freshness and flavor, *J. TFPJ*, 2008, October - November, 26-30
- 2 Lalitha R. Gowda, Plants: The green factories, *VATIKA*, 2008, **4**, 12-14
- 3 Raghavarao K.S.M.S., Raghavendra S.N., Rastogi N.K., Potential of coconut dietary fiber, *Indian Coconut Journal*, 2008, **L1(6)**, 2-7



Practical session of M.Sc. (Food Technology) course in progress in the institute



Shri Yograj Singh, Hon'ble Minister of State for Agricultural Education and Research, Govt. of Uttar Pradesh in the CFTRI stall at "Food & Technology Expo 2008" held at Pragati Maidan, New Delhi during May 3-5, 2008 organised by National News Service group