Food Microbiology By Frazier And Westhoff

Food MicrobiologyFood Microbial and Molecular BiologyHandling Frozen/thawed Meat and Prey Items Fed to Captive Exotic AnimalsFrazier's Food MicrobiologyHandling Fish Fed to Fish-eating AnimalsImproving the Safety of Fresh Fruit and VegetablesEffect of Preservation Methods on Giant Freshwater PrawnSome Aspects of the Use of Microbial Cultures for Fermentation and Storage of Feed ProductsGrowth of Normal Flora, Staphylococcus Aureus and Clostridium Perfringens, in Frankfurters and Thuringer Cervelat Containing Nitrite and SorbateThe Philippine AgriculturistAssiut Veterinary Medical JournalFood MicrobiologyBiochemical Changes in the Oncom Fermentation of Peanut Press CakeCanadian Journal of BotanyCARP, Competitive Contract Research Grants ProgrammeEffects of Cooking in Solutions of Varying PH on the Dietary Fiber Components of VegetablesRestructured Meat and Poultry ProductsCampylobacter, Helicobacter and ArcobacterSanitation Knowledge as it Relates to Employee Attitudes and Meat Department Profits in a Retail Supermarket ChainThai Journal of Agricultural Science William Carroll Frazier Saher Islam Susan Diane Crissey C. William Frazier Susan Diane Crissey Wim Jongen Mohammad Abdul Salam Sven Lindgren Catherine Marie Hallerbach Anthony H. Rose Dedi Fardiaz Laura Ann Morabito Brandt Albert Marchant Pearson Society for Applied Microbiology. Summer Conference Bruce B. Edmiston

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the ever increasing globalization of the food industry demands new interventions and prevention technologies to improve the safety and quality of food this multidisciplinary new book presents advanced systems for identifying analyzing tracking and monitoring microbial contaminants in food key features highlights emerging and re emerging foodborne microorganisms and their virulence characteristics includes recent approaches for food quality assurance and risk management describes the practicality of molecular biology and microbial technologies for effectual control of foodborne infections presents a detailed overview of the utilization of recent molecular techniques in food microbiology with expert contributions from experienced academics involved in food microbiology and molecular biology research this book offers indispensable guidance and a contemporary update of the latest developments in food microbial and molecular biology

fresh fruit and vegetables have been identified as a significant source of pathogens and chemical contaminants as a result there has been a wealth of research on identifying and controlling hazards at all stages in the supply chain improving the safety of fresh fruit and vegetables reviews this research and its implications for food processors part one reviews the major hazards affecting fruit and vegetables such as pathogens and pesticide residues building on this foundation part two discusses ways of controlling these hazards through such techniques as hacep and risk assessment the final part of the book analyses the range of decontamination and preservation

techniques available from alternatives to hypochlorite washing systems and ozone decontamination to good practice in storage and transport with its distinguished editor and international team of contributors improving the safety of fresh fruit and vegetables is a standard reference for all those involved in fruit and vegetable production and processing reviews recent research on controlling hazards at all stages of the supply chain discusses the implications of this research on food processors discusses the implications of this research on food processors

master s thesis from the year 2004 in the subject biology zoology grade m sc jahangirnagar university faculty of biological sciences course fisheries zoology language english abstract to inquest a pertinent technology of preservation seasonal summer autumn winter nutritive values effects of potassium sorbate gamma radiation and their combinations preserved at low temperature on sensory chemical and microbial properties of freshwater prawn macrobrachium rosenbergii de man 1879 as well as isolation and identification of associated micro flora with their sensitivity to potassium sorbate and gamma radiation were investigated during february 2003 to april 2004 nutritive analysis marked seasonal and body part variations in moisture protein lipid ash calcium and phosphorus contents i e summer autumn and winter as 80 07 80 37 76 99 19 20 18 03 21 30 1 23 1 07 2 99 1 48 2 00 1 21 0 19 0 21 0 14 and 0 10 0 08 0 10 in edible part while 77 27 76 27 73 34 16 45 17 03 19 79 1 40 1 02 4 33 6 60 7 33 6 25 2 24 2 78 1 67 and 0 17 0 15 0 21 in head on respectively quality appraisal of treated potassium sorbate 2 gamma radiation 2kgy and their combination and preserved ooc and 40c samples were done by organoleptic chemical and microbial evaluation at an interval of 7 days the shelf life of freshwater prawn at 40c was 14 21 days which was extended to 21 28 days at 00c maximum shelf life 28 days was found in combined treated prawn that was stored at ooc associated micro flora were isolated and identified based on their cultural microscopic biochemical physiological characteristics among 30 bacterial strains thirteen 40 33 were collected from control nine 30 from chemical treated five 16 67 from radiation treated and three 10 from combined treated samples total 9 bacterial species were identified in which staphylococcus aureus 23 33 bacillus subtilis 20 33 micrococcus varians 16 67 and escherichia coli 13 33 were frequent species among 10 mould strains seven 70 00 were collected from control three 30 00 from radiation treated while no colonies were found from chemical and combined treated samples total 4 genus of moulds were identified in which aspergillus 40 00 was dominant potassium sorbate 0 1 2 3 4 5 and gamma radiation 0 2 4 6 8 10 kgy were applied for the sensitivity on identified bacterial species staphylococcus aureus bacillus subtilis micrococcus varians escherichia coli were completely eliminated at 4 5 3 4 potassium sorbate and 6 8 4 6 kg gamma radiation doses

response regulation and utilization of microbial activities at low temperature elevated temperature preservation chemical preservation of foods antibiotics as food preservatives irradiation in the processing of food effect of low moisture environments on the microbial stability of foods food spoilage bu lactic acid bacteria vibrio parahaemolyticus as a food spoilage organism viruses as agents of food borne diseases

the relationship between employee sanitation knowledge and meat department profitability was studied using sanitation questionnaire administered to meat department personnel of a major retail supermarket chain the results were compared to the known profitability data of the individual stores scores rose as experience level increased employees with some knowledge of sanitation generally had a better attitude toward and motivation for adhering to correct sanitation procedures no correlation was found between a manager s and subordinate s questionnaire score meaning that knowledgeable managers were not passing their understanding of sanitation to subordinates by combining profitability data with questionnaire results it was shown that when asked to categorize their store by the degree in which correct sanitation procedures were followed 89 1 of the employees of category a stores responded with a ranking of always or majority of the time this percentage decreased to 87 6 in category b stores and 84 7 in category c stores supporting the contention that the use of proper sanitation procedures does increase profits considering the supervisory role of managers this suggests a positive link between the level of manager sanitation knowledge and department profits

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