

Incidence study of the common bacterial and fungal causes of foodborne illness in Basrah governorate in Iraq

Reham Muhammad Mustaffa AlMosawi

Basrah University, Iraq

Abstract

Foodborne illness also related to the food poisoning define as any disease that results from the consumption of contaminated food which associate with microorganisms (bacteria, viruses, parasites and fungi) , commonly the most outbreaks take place due to the ingestion of bacterial pathogens like S.aureus, E.coli, Salmonella typhi, Listeria monocytogenes, Campylobacter jejuni, Vibrio cholera. The disease usually occurs as a result of secretion the toxin from microorganisms in the intestinal tract of the infected people. This research doing on isolation and identification of some foodborne infectious bacterial and fungal agents from randomly distributed restaurants in Iraq in Basrah district. A total of 240 restaurant samples were collected and investigate for detection of bacterial and fungal pathogens during the period extent from first 2019 to second month of 2020 by using the selective and differential with enrichment media in addition to biochemical reaction for detect of pathogenic species in dependence of Bergeys Manual of Determinative Bacteriology , our results revealed the total positive isolates 175 including, polymicrobial samples were detected in which 135 the positive bacterial isolates of S.aureus 47 (34.81%) followed by E.coli 33 (24.44%), Salmonella spp. 31 (22.96%) and Campylobacter spp. 24 (17.77%) while the fungal positive isolates 40 from 175 including Aspergillus flavus 23 (57.5%) and Candida spp. 17 (42.5%) .

Journals (Trends in Pharmaceutical and Nanotechnology ; Research and Advances in Pharmacy and Life Sciences) with appraisal articles.

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Speaker Biography:

Reham M.AlMosawi has completed of M.Sc. in Medical Microbiology at the age 23 years from Basrah University in Iraq and gain Lecturer in 2011 also Im a PhD student in Medicin College/ department of Microbiology at the age of 33 years from Basrah University. I has published more than 15 papers in reputed journals (Scopus, Elsevier or thomsen routers and has been serving as an editorial board member of MAT