

Modern human diet ~~includes~~ consists of a wide variety of foods ~~materials~~ from various different sources. ~~The a~~ Actively promoting of fruits and vegetables as important ~~part elements~~ of a healthy diet has ~~lead to~~ caused a significant increase in fresh produce consumption worldwide ~~being eaten all over the world~~. However, ~~Recent recent~~ outbreaks of foodborne illnesses ~~related to~~ associated with consuming fresh produce consumption ~~has have~~ indicated that these ~~heighted concerns that these~~ foods ~~maybe are~~ an increasing source of illness. The ~~minimal~~ minimum processing required for fresh and freshly cut produce ~~which omits~~ does not include any effective microbial elimination step ~~and results in~~ retains microorganisms in food products ~~naturally carrying microorganisms, ;~~ some of ~~which these~~ microorganisms ~~may may be~~ potentially hazardous to the human health ~~cause health hazards~~. ~~Some of the~~ Certain foodborne pathogens ~~such as like~~ *Salmonella* spp., *Escherichia coli*, *Citrobacter* spp., and *Enterobacter* spp. ~~produce curli,~~ which are proteinaceous components of a complex extracellular matrix ~~which that~~ help in the initial ~~steps stages~~ of biofilm formation and enhances ~~the resistance of cell resistance~~ cells in biofilms ~~for to~~ sanitizers and disinfectants. Curli are ~~proteinaceous components of a complex extracellular matrix and are produced by many Enterobacteriaceae. They are thin, coiled fibers expressed thin, coiled fibers expressed at on the cell surface of many Enterobacteriaceae and of cells that bind several matrix and plasma proteins~~ such as fibronectin, laminin, ~~and plasminogen and as well~~ as azo dyes ~~such as like~~ Congo red. Raw vegetables, ~~and~~ fruits ~~and as well as~~ unpasteurized juices contain ~~a number of several~~ curli ~~curli,~~ producing foodborne pathogens, which are associated with ~~food foodborne related~~ diseases. These ~~se~~ curli ~~producers~~ pathogens form biofilms on fresh produce as well as on food contact surfaces, ~~resulting in and result in cross cross-contamination of produce~~. Curli ~~Curli~~-producing bacterial ~~strains~~ are characterized by their ~~ability to bind~~ Congo red ~~binding ability,~~ ~~which~~ provides ~~ing~~ a simple screening method ~~for in vitro~~ curli production. The Congo red binding technique ~~has uses~~ a qualitative as well

Comment [A1]: Terms such as *additionally*, *furthermore*, *moreover*, *therefore*, and *however* are used as transition words to help in a better flow of ideas.

Comment [A2]: A nonrestrictive clause is a clause that adds additional or nonessential information to a sentence. Such clauses are usually separated by commas. Here, as the clause following the term "curli" provides additional information about curli, it is separated by a comma.

Comment [A3]: The information in this section has been re-arranged for a better flow and so that the structure and functions of *curli* can be understood more clearly.

Comment [A4]: In academic writing, information should be presented with accuracy and conciseness. In the given context, "a number of" has been replaced with a more concise term, "several." Other such examples include, replacement of "carried out" with "performed/conducted" or that of "looked into" with "investigated/examined."

Comment [A5]: A compound modifier contains 2 or more words, which act together as one adjective and are connected by hyphens. Hyphens are used with these terms so that their meaning is understood clearly.

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as a quantitative approach. Curli-producing microorganisms producers were isolated from fresh produce and unpasteurized carrot juice using modified Luria-Bertani (LB) medium. Curli-These producing microorganisms formed dry, red, rough colonies on modified LB medium, while nonproducers formed smooth, white colonies. The parameters that control curli production, such as temperature and osmolarity, were evaluated using this Congo red binding technique.

Comment [A6]: Proper nouns should begin with uppercase letters. Here, as Luria and Bertani are proper nouns, the casing has been revised.

Comment [A7]: Commas are used to separate adjectives that separately modify the noun. These types of adjectives are called coordinate adjectives. You can change the order of coordinate adjectives without it sounding awkward. For instance, in the phrase *huge, restless crowd*, the adjectives *huge* and *restless* modify the noun separately; hence, a comma can separate the two adjectives.

SAMPLE