

Surface Morphology Study on Unclean, Commercial and Bromelain treated Edible Bird Nest (EBN) using Scanning Electron Microscope

Absract

Edible Bird Nest (EBN) is a bird made product and its one of the most expensive animal products consumed by human nowadays due to high nutritional values and medicinal properties. Market processed EBN found the presence of mites, fungal spores and feather strands using scanning electron microscope (SEM). Mite was the common cause of anaphylaxis. Indeed, mite are heat resistant and thus can elicit allergic reaction even the food has been cooked. Therefore, the enzyme technology is applied in the current study on EBN to remove most of the pathogen. The results obtained in this study were attributable to the fact that enzyme treatment EBN is added value product and safer for human consumption as compared to that of the market processed EBN.