Patent Search

Invention Title	MACHINE LEARNING BASED APPROACH TO STUDY THE IMPACT OF PROBIOTICS AND TOXINS ON INTESTINAL CELL VIABILITY IN ANIMA
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Abstract:

Machine learning based approach to study the impact of probiotics and toxins on intestinal cell viability in animals is the proposed invention. The proposed invention studying the intestinal cell viability in animals. The invention focuses on analyzing the parameters of impact of probiotics and toxins in animals using algorithms of M learning.

Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of th information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.
[0002] Machine learning (ML) is a subfield of artificial intelligence (AI). ML uses algorithms trained on data sets to create models that enable machines to perform that would otherwise only be possible for humans. Machine learning uses algorithms to analyse large amounts of data, learn from the insights, and then make info decisions.
[0003] A number of different types of animal intestinal cell viability analysis systems that are known in the prior art. For example, the following patents are provid their supportive teachings and are all incorporated by reference.
[0004] Viability of Probiotic Microorganisms and the Effect of Their Addition to Fruit and Vegetable Juices: - Consumers' recent interest in healthier diets has increa demand for food products with functional properties, such as probiotics. However, most probiotic food types available on the market are of dairy origin, which limit consumption by individuals with food intolerances and by those who adhere to strict vegan and vegetarian diets. The aim of the current review is to assess both the limitations and impacts of the addition of probiotic microorganisms to fruit, vegetable, and/or mixed juices. Thus, an integrative literature review was herein carried bibliographic survey was carried out in the following databases: Lilacs, Medline, Web of Science, Scopus, and Scielo. In addition, searches for studies published in En from 2010 to 2021 were carried out, based on the following meshes: "fruit", "vegetable", "juice", and "probiotics", which were used both in combination with each oth with Boolean operators such as "AND" and "OR". Although 254 articles were initially found in the literature search, only 21 of them were selected to compose the fin sample. The included studies mainly addressed microorganism viability and physicochemical analyses. Overall, fruit and/or vegetable juices can be suitable matrice

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