

TITLE: TECHNOLOGICAL PROSPECT OF PROBIOTIC USE AGAINST OBESITY

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ABSTRACT:

Probiotics are supplements of living microorganisms that perform functions essential for the maintenance of body homeostasis contributing to the improvement of the intestinal microbiota balance of the host. Recent studies associate the intestinal microbiota with the inflammatory state of obesity, opening space for the use of probiotics in the treatment. The purpose of the present survey was to draw a national and international perspective through the analysis of the patent databases National Institute of Industrial Property (Instituto Nacional da Propriedade Industrial -INPI-<http://www.inpi.gov.br/>), the World Intellectual Property Organization (WIPO - <https://patentscope.wipo.int/>), and the European Patent Office (EPO - <https://www.epo.org/>) in March 2019 related to the subject matter. In each database were three searches, with each keyword (probiotics, obesity and obesity and obesity) in Portuguese and English. Where 54.572 , 307.939 and 7.138 patent applications were found respectively. At the WIPO platform the United States was responsible for 38% of the patents deposited, while for Brazil no results were found; only at the INPI platform. From this study it was possible to perceive that Brazil has developed few studies on the use of probiotics in the treatment of obesity when compared with other countries of the globe.

Keywords: Microorganisms. Overweight. Patents.

Development Agency: