

RESEARCH PAPER

Isolation and screening of lactic acid bacterial isolates from sorghum and *Ragi* grains for its probiotic characters

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ABSTRACT

Twenty one isolates were obtained from two different sources like fermented Sorghum and *Ragi* grains. Out of which eleven isolates obtained from Sorghum grains. Remaining ten isolates were from *Ragi* grains. Microscopic observation and morphological characterization of the all twenty one isolates confirmed that they were Gram positive, mostly short rods and coccobacilli. The physiological and biochemical characterization confirmed that the isolates used were lactobacilli. All these isolates were screened for its probiotic characters such as antimicrobial activity against food spoilage organisms and also for bile tolerance and pH tolerance.

Key Words : Lactic acid bacteria, Probiotic

View point paper : Reddypriya, P. and Gopal, H. (2016). Isolation and screening of lactic acid bacterial isolates from sorghum and *Ragi* grains for its probiotic characters. *Asian Sci.*, 11 (1): 18-26, DOI : 10.15740/HAS/AS/11.1/18-26.

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