

Marathi Vidnyan Parishad

Vidnyan Bhavan, V. N. Purav Marg, Sion-Chunabhatti, Mumbai 400 022
 Tel. : 022-24054714, 24057268, Fax : 022-24057268
 e-mail : mavipa.mumbai@gmail.com

Title of the project : BACILLUS AS A NOVEL PROBIOTIC IN POULTRY & AQUACULTURE

Please give a 10 line summary of your project.

Probiotics are gaining importance in food and nutrition day by day. These are live microbial feed supplements which beneficially affect the host by improving its intestinal microbial balance. A lot of work is done on Lactic acid bacteria as probiotics & many of such products are also available in the market. Species of Bacillus have proved promising as a probiotic candidate especially in animal feed supplements. Due to their unusual resistance to environmental conditions, they have several advantages over Lactic acid bacteria in probiotics. The present study is aimed at isolating & characterising Bacillus spp. from different sources like soil, poultry litter, aquaculture. Further properties like antibiotic resistance against human, poultry & aquaculture pathogens will be studied. Also the ability to produce vitamins, enzymes will be checked & absence of enterotoxin production will be ascertained. This study will further help in scaling up a novel probiotic - Bacillus, for aquaculture & poultry feed application.