

The Book

This volume is a compilation of selected papers presented and contributed by Indian and Foreign authors at the International symposium held during November 1998 at Department of Biological Science, Rani Durgavati University, Jabalpur. The theme of the symposium was "**Microbial Biotechnology for Sustainable Development and Productivity**". This symposium was intended to provide a platform for microbiologists and biotechnologists for discussing and reviewing the emerging trends in microbial biotechnology in view of global perspectives, for its application in agriculture, industry, environment and health. The proceedings contain four sections with 55 articles, which may be of great help to researchers, scientists, teachers and postgraduate students.

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Microbial Biotechnology for Sustainable Development and Productivity

R.C. Rajak (Ed.)

The main objective in compilation of this volume is to highlight the developments and achievements of biotechnology of microbes and its role in sustainable development and productivity. The review articles in this volume are contributed by the Scientists of our country and abroad, who are actively engaged in their field of research falling either in Agricultural, Industrial, Environmental or Medical Biotechnology.

Sustainability is the key for long term security on earth and there is a growing concern in every corner for devising and implementing concepts of sustainability into economic practices. The microbial biotechnology has been the key to sustainability in industry, agriculture, forest and management of environment. Tremendous achievements in Microbial Biotechnology have been made during the past few years and the closing years of the 20th century, is the best time to review these achievements. Significant enhancement in productivity through interventions of bio-inoculants and eco-friendly bio-pesticides, bio-transformation of agricultural and forest organic wastes into food, fuel, pulp and paper and useful chemicals, clearing of arsenic dumps, large scale production of industrially useful chemicals etc. could only become possible through microbial biotechnology in a sustainable manner.

The book presents up-to-date information about the application of microbial biotechnology to meet the ever increasing demand of food, medicine, crop plants, useful chemicals and management of environment.

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