

Short Introduction to the Book

This book is written to exhibit the successes of our team in producing novel strains of different microorganisms for solving different human problems using biotechnology techniques.

Description of methods of enhancing microbial performance like cross-breeding and mutagenesis are often not specific for a particular organism. Research project students and other researchers at industries often face a lot of difficulties in adopting unspecific experimental protocols for their work. In this book specific experimental protocols for enhancement of microbial performance are accompanied with exciting results. Since these protocols can be reproduced, they could be easily adapted by others for similar projects.

The book will be very useful for teaching post graduates and undergraduate students in universities and other tertiary institutions. Both students and university lecturers will find the book useful for teaching and research. Researchers in different institutes and industries will also find the book very useful. Not only will the book be useful in providing vital information for entrepreneurs in business set-up, but also the book will be of immense benefit for farmers in the area of bioherbicide production.

Short Biography of the Lead Author



As the lead author and editor of this book, Oloke Julius Kola obtained a PhD in Microbiology at Obafemi Awolowo University Nigeria in 1989. He joined the establishment of Ladoke Akintola University of Technology in January, 1991 and has been involved in the teaching of several microbiology courses. Between June 1994 and February 1995, he did genetic engineering work on *Bacillus thuringiensis* at the Biology Department, University of Waterloo, Ontario, Canada. He has supervised over 200 undergraduate projects and more than 20 post graduate theses.

He was promoted to the position of a Professor of Microbiology and Biotechnology in October, 1999. His untiring efforts in research work on Biotechnology were crowned with success when in 2005 he formulated a very effective immune booster known as Trino IB which has been successfully used to manage different immunocompromised patients in different countries. As a result of this feat, he was awarded “National Productivity Order of Merit Award” by the former president of Nigeria, Dr Goodluck Jonathan in August, 2012. He is presently on a leave with All Saints University at St Vincent & Grenadines where he assists with the establishment of Faculty of Science.

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