

Exploitation of Microorganisms

Edited by D. Gareth Jones

Microorganisms are involved in many aspects of decomposition, nutrient cycling and in fixing atmospheric nitrogen, the essential element of proteins. In many areas of applied biology microorganisms are being increasingly exploited by humans, and this book comprises 17 chapters each reviewing the history, current state-of-the-art and future possibilities for different areas of microbial exploitation.

The book encompasses traditional areas, such as mushroom cultivation, as well as many more recently developed areas, such as the genetic engineering of microorganisms to control weeds, insects and other pests and includes chapters on the involvement of microorganisms in fermentation, the food industry and in the detoxification of industrial waste. The commercial importance of the exploitation of microorganisms in agriculture to industry is also covered in a separate chapter.

Professor D. Gareth Jones has drawn together an extremely impressive list of respected contributors, each providing a valuable insight into their own areas of expertise. This book is an invaluable handbook for all those involved in the exploitation of microorganisms, particularly applied biologists, microbiologists, agricultural scientists, food scientists and consultants working in industry.

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The scientific basis

Edited by R. Fuller

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N. A. R. Gow and G. M. Gadd

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