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## The Aerobiological Pathway of Micro-organisms

C.S. COX, Chemical Establishment, Porton Down, Salisbury, UK

This book draws together the very scattered source literature and much of the author's own original research, to form a coherent account of the basic principles for experimentation and a basis for further investigation.

Both physical and biological laws have a direct effect on aerosol viability and infectivity and Dr. Cox carefully explains their complex interrelationship, providing for the first time a complete theoretical rationale for aerosol behaviour. A special feature is his previously unpublished use of catastrophe theory, in the analysis of the separate effects of relative temperature and humidity on aerosol survival. This detailed account of the launch, aerial transport and deposition of microorganisms and microscopic particulate matter in the atmosphere will be particularly relevant to a wide range of environmental health scientists and epidemiologists, biometeorologists, microbial ecologists, bacteriologists, mycologists and microbial geneticists.

0471911704 306pp February 1987 £32.00/\$54.55

### Iron and Infection Molecular, Physiological and Clinical Aspects

Edited by J.J. BULLEN, University of Miami School of Medicine, and E.G. GRIFFITHS, National Institute for Biological Standards and Control

This book presents in depth the most relevant new advances in the biochemistry, microbiology, molecular genetics and clinical science of the subject, and highlights the gaps in our knowledge. The work encompasses bacterial, fungal and protozoal pathogens and also discusses recent discoveries which show the importance of iron uptake mechanisms, malignant and other rapidly proliferating cells. The significance of recent developments for the design and use of new vaccines and for therapeutic measures used in treating infections are also considered.

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