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# LABORATORY PRACTICALS IN MICROBIOLOGY



Published By

The Department of Microbiology,  
University of Ilorin, Ilorin, Nigeria.

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First Printing, 2018

ISBN 978-978-969-487-7

Printed by:

Al-hasbiy Productions, Ilorin, Nigeria.

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## ABOUT THE BOOK

This laboratory manual – *Laboratory Practicals in Microbiology* – complements an earlier publication – *Basic Laboratory Practicals in Microbiology* – by the Department of Microbiology, Faculty of Life Sciences, University of Ilorin. This initiative is aimed at improving the quality of the 'hands on' training component of the teaching of Microbiology in the Department and elsewhere. It is hoped also that it will provide a solid foundation to students in research methodology, result presentation and interpretation.



It is indisputable that not much can be learnt from how microbes look (morphology). Rather, a good understanding of microbes is derived from what they do or how they act in various environments, including growth media. This however, can only be assessed through well-designed laboratory experiments which students can easily carry out, with appropriate guide. This underscores the importance of *Laboratory Practicals in Microbiology*. The manual covers all basic aspects/branches of Microbiology that undergraduate students are expected to cover. It is well-written, lucid and hence easy to comprehend. The step-wise manner of presentation helps in this regard. Each chapter also ends with challenging questions designed to ignite and promote critical thinking in students.

The contributing authors consist of academic staff in the Department with varying credible credentials and experiences in the teaching of Microbiology at undergraduate and postgraduate levels. The manual will certainly serve as a useful guide for students, researchers and technologists. It is so recommended.

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ISBN



9789789694877

Design + Print



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