



DEFINITIONS

Microbiology

- The study of micro-organisms, bacteria, fungi, viruses. Their study has developed from aspects of disease to in particular their genetics. This is because microbes can be readily and rapidly cultured in the laboratory and used to study genetic and biochemical processes. (***Concise Dictionary of Biology: c1993, 574.03 W627 Reference Section - University Library***)
- The study of MICROORGANISMS and their interactions with other organism and with the environment. There is considerable overlap between microbiology and certain other disciplines: e.g. biochemistry, immunology, molecular biology, and parasitology: microbiology is also directly relevant to certain aspects of medicine, veterinary science, agriculture, the food industry and various commercial processes as well as ecology and pollution studies. (***Dictionary of Microbiology and Molecular Biology: c1998, 576. 031 Si 617 Reference Section – University Library***)

BOOKS

Reference and Information Section 2nd Floor

Botton, Edward J. (2004) **An atlas of the clinical microbiology of infectious diseases: Bacterial Agents**
Ref 616.010222 B751

Lerner, Lee, editor (2003) **World of Microbiology and Immunology** 579.03 W927

Walker, Richard (2004) **Kingfisher knowledge microscopic life.** Ref 579 W183

Circulation Section 3rd Floor

Alexander, Steve K. (2004) **Laboratory exercises in organismal and molecular microbiology.** 579.078
AI378

Anderson, Rodney P. (2012) **Case studies in microbiology : a personal approach.** TSU In-process

Bauman, Robert W. (2004) **Microbiology** 579 B347

Brooks, Geo F. (2010) **Jawetz, Melnick & Adelberg's medical microbiology.** 25th ed. 616.01 J41 2010

Brown, Alfred E. (2007) **Benson's microbiological applications : laboratory manual in general microbiology,** 10th ed. 579.078 B877 2007

Burton, Gwendolyn R.W. (2004) **Microbiology for the health science** 616.01 B974

Cappuccino, James G (2005) **Microbiology : a laboratory manual** 7th ed. 579.078 C249 2005

Cowan, Marjorie Kelly (2009) **Microbiology : a systems approach.** 2nd ed. 579 C874 2009

Cowan, Marjorie Kelly (2006) **Microbiology : a systems approach.** 1st ed. 579 C874

Ho, Howell, ed. (2006) **Microbiology and parasitology : laboratory manual for the health sciences,** 2nd ed. Res 579.078 M626 2006

Ingraham, John L (2004) **Introduction to microbiology : a case history approach** 3rd ed. 616.9041 In54 2004

Kleyn, John (2004) **Microbiology experiments : a health science perspective,** 4th ed. 579 K64 2004

Madigan, Michael T. (2003) **Brock biology of microorganisms.** 10th ed. 579 M182 2003

Nester, Eugene (2009) **Microbiology : a human perspective.** 6th ed. 616.9041 M626 2009

Nester, Eugene (2007) **Microbiology : a human perspective.** 5th ed. 616.9041 M626 2007

Nester, Eugene (2004) **Microbiology : a human perspective** 4th ed. 616.01 M626 2004

Norrell, Stephen A. (2003) **Microbiology laboratory manual : principles and applications** 2nd 579.078 N853 2003

Pichare, Asha, editor (2004) **MCQs and SAQs in microbiology** 579 M173

Prescott, Lansing M. (2005) **Microbiology** 579 P931

Pommerville, Jeffrey C. (2006) **Alcamo's fundamentals of microbiology.** 7th ed. 579 P787 2006

Tabo, Norbel A. (2004) **Laboratory manual in microbiology : for biology and health science majors.** 579.078 T114

Talaro, Kathleen Park (2009) **Foundations in microbiology.** 7th ed. 579 T137 2009

Talaro, Kathleen Park (2005) **Foundations in microbiology** 5th ed. 579 T137 2005

Talaro, Kathleen Park (2005) **Foundations in microbiology : basic principles.** 5th ed. 579 T137 2005

Tortora, Gerard J (2004) **Microbiology : an introduction** 8th ed. 579 T712 2004

Willey, Joanne M. (2008) **Prescott, Harley, and Klein's microbiology.** 7th ed. 616.9041 W714 2008

High School Library
2nd and 3rd Floor APS Annex

Purohit, S.S. (2004) **A textbook of microbiology.** Cir 579 P985

Zimmerman (2003) **Killer germs : microbes and diseases that threaten humanity,** rev ed. Cir 616.9 Z72

JOURNAL ARTICLES
Periodicals Section
2nd Floor

Distributions of Microbial Activities in Deep Subseafloor sediments. Hondt, S.D. *Science* p 2216 - 2221 5705(306) D 24' 04

Dynamic Instability of a Bacterial Engine Jensen, J. Moller & Gerdes, K. Science p. 987+ 5698 (306) N 5 '04.

Enterococcus Faecalis Senses Target cells and in Response. Science p. 2270 – 2272 5705(306) D 24 '04.

Genome sequence of the PCE-dechlorinating bacterium. Sheshadri, R Science p. 105-108 5706(307) p. 105-108 Ja 7 '05.

Microbial Factor – medicated development in a host-bacterial mutualism Koropatnick, T.A. Science p.1186-1188 5699(306 N 12 '04

Microbial Life breathes deep. Delong, E.F Science 5705(306): p. 2198-2200. D 24 '04

Peptide signals sense and destroy target cells. Garsin, D.A. Seince p. 2202-2203 5705(306) D 24'04.

The enigma of prokaryotic life in deep hypersaline. Van Der Wielen, P.W.J.J. Science 5706(307):. Ja 7 '05.

AUDIO-VISUAL MATERIALS

Audio-Visual Center (AVC)
2nd Floor

Microbiology : an introduction [CD-ROM]
CDR 579 T712

Bacteria (Videocassette)
VR 589.9 B131 1987

Cell cycle and mitosis: copying the DNA blueprint (Videocassette)
VR 574.87623 C393

Interactions and relationships among organisms: “the intricate web of life” (Videocassette)
VR 574.5 In61 1996

ELECTRONIC JOURNALS

Accessible thru HAU Library Webpage
Proquest 5000

- American Academy of Microbiology Critical Issues Colloquia Reports
- Annals of Clinical Microbiology and Antimicrobials
- Annual Review of Microbiology
- Applied Biochemistry and Microbiology
- Applied Microbiology and Biotechnology
- Archives of Microbiology
- BMC Microbiology
- Brazilian Journal of Microbiology
- British Microbiology Research Journal
- Canadian Journal of Microbiology
- Critical Reviews in Microbiology
- Current Microbiology
- European Journal of Clinical Microbiology and Infectious Diseases
- Future Microbiology

- Indian Journal of Medical Microbiology
- International Journal of Medical Microbiology
- Journal of Industrial Microbiology & Biotechnology
- The Journal of Microbiology
- Journal of Molecular Microbiology and Biotechnology
- Medical Microbiology and Immunology
- Nature Reviews. Microbiology
- Systematic and Applied Microbiology
- World Journal of Microbiology and Biotechnology

INTERNET RESOURCES

Multimedia/CD-ROM Station Internet Workstation
2nd Floor and 3rd Floor, University Library

Philippine Society for Microbiology and infectious Diseases Journals.

Retrieved December 10, 2013 from <http://www.psmid.org.ph/?fid=journals>

An official publication of the Philippine Society for Microbiology. And Infectious Diseases accessible through the Internet.

Society for General Microbiology.

Retrieved December 10, 2013 from <http://www.sgm.ac.uk/>

A site that promotes science and significance of Microbiology. It provides news and current information about microbiology. Many services and publication are also provided.

American Society for Microbiology

Retrieved December 10, 2013 from <http://www.asm.org/>

The ASM is the world's largest scientific society of individuals interested in the microbiological sciences. The mission of the American Society for Microbiology is to advance the microbiological sciences as a vehicle for understanding life processes and to apply and communicate this knowledge for the improvement of health and environmental and economic well being worldwide.

The Microbiology Network by Scott Sutton.

Retrieved December 10, 2013 from <http://microbiol.org/>

This site is provided as a resource for the microbiologist in regulated industries. The Microbiology Network serves as a communication resource for the microbiology and biotechnology communities serving pharmaceutical, medical device and personal products industries.

Compiled by:

Reference and Information Section

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