



BIBLIOTHECA ALEXANDRINA  
مكتبة الإسكندرية

# Biotechnology:

## A Reader's Guide to Selected Sources

Updated by Ayman Saleh & Claudia Nessim

Updated April 2010

The Bibliotheca Alexandrina reference librarians have prepared this guide of selected materials on *Biotechnology*, to assist users in finding primary resources within the library. This guide is not intended to be comprehensive but rather to provide a convenient starting point for research.

**B***iot***echnology** is the application to industry of advances made in the techniques and instruments of research in the biological sciences, to improve plants or animals, or to develop microorganisms for specific uses. The growth of the field of biotechnology is closely linked to the development in the 1970s of genetic engineering.

(*Encyclopedia Britannica*, 2006)

## **Subject Headings related to *Biotechnology***

Materials on *Biotechnology* may be found by searching the Bibliotheca Alexandrina Online Public Access Catalog (OPAC) using the following subject headings:

- Biochemistry
- Biomedical Engineering
- Biochemical Genetics
- Biotechnology
- Genetic Engineering
  
- Plant Biotechnology
- Biochimie
- Biotechnologie
- Génie génétique

الهندسة الوراثية <

الكيمياء الحيوية <

التكنولوجيا الحيوية <

## **How to Find Books on the Shelf**

To locate books on *Biotechnology*, you may use the following call numbers:

572

610.28

660.6

Biochemistry

Biomedical Engineering

Biotechnology

For further assistance, you may ask a reference librarian in the Main Library or email us at: [infobib@bibalex.org](mailto:infobib@bibalex.org)

# Materials on *Biotechnology* available at the Bibliotheca Alexandrina

## Encyclopedias and Dictionaries

Al-Hilali, Sadek, and Sufian M. Al-Assouli. **Dictionary of Genetics and Molecular Biology**. Alexandria: World Health Organization. Regional Office for the Eastern Mediterranean, 1993.  
BA Call Number: Ref 576.503 Alh D (B4 -- References)

Arora, Himanshu. **Ane's Illustrated Dictionary of Biotechnology**. New Delhi: Ane Books India, 2009.  
BA Call Number: Ref 660.603 A7698 2009 (B4 --References)

Bains, William. **Biotechnology from A to Z**. 2<sup>nd</sup> ed. Oxford: Oxford University Press, 1998.  
BA Call Number: Ref 660.603 Bai B (B4 -- References)

International Board for Plant Genetic Resources. **Elsevier's Dictionary of Plant Genetic Resources**. Amsterdam: Elsevier Science, 1991.  
BA Call Number: Ref 631.52303 E (B4 -- References)

King, Robert C., and William D. Stansfield. **A Dictionary of Genetics**. 6<sup>th</sup> ed. New York: Oxford University Press, 2002.  
BA Call Number: Ref 576.503 Kin D (B4 -- References)

McAinsh, T. F., ed. **Physics in Medicine & Biology Encyclopedia: Medical Physics, Bioengineering, and Biophysics**. New York: Pergamon Press, 1986.  
BA Call Number: Ref 571.4 P (B4 -- References)

McKusick, Victor A. **Mendelian Inheritance in Man: A Catalog of Human Genes and Genetic Disorders**. Baltimore: Johns Hopkins University Press, 1994.  
BA Call Number: Ref 611.0181601 McK M (B4 -- References)

Nil, Kimball R. **Glossary of Biotechnology Terms**. 3<sup>rd</sup> ed. Boca Raton, FL: CRC Press, 2002.  
BA Call Number: Ref 660.603 Nil G (B4 -- References)

Parker, Sybil P., ed. **McGraw-Hill Dictionary of Bioscience**. International ed. New York: McGraw-Hill, 1997.  
BA Call Number: Ref 570.3 M1475 1997 (B4 -- References)

Zaid, Abdelouahhab, et al. **Glossary of Biotechnology for Food and Agriculture**. Revised and augmented edition of the Glossary of Biotechnology and Genetic Engineering. FAO Research and Technology Paper 9. Rome: Food and Agriculture Organization of the United Nations, 2001.  
BA Call Number: 660.603 G5633 2001 (F2 -- FAO)

بينز، وليام. **معجم التكنولوجيا الحيوية**. ترجمة هاشم أحمد. مراجعة إبراهيم عبد المقصود. القاهرة: الهيئة المصرية العامة للكتاب، ١٩٩٦.

BA Call Number: Ref 660.603 B1628 1996 (B4 -- References)

## Handbooks and Manuals

Bronzino, Joseph D., ed. **The Biomedical Engineering Handbook**. Boca Raton: CRC Press; IEEE Press, 1995.

BA Call Number: Ref 610.28 B (B4 -- References)

Christou, Paul, and Harry Klee. **Handbook of Plant Biotechnology**. Hoboken, NJ: John Wiley, 2004.

BA Call Number: Ref 660.6 Chr H (B4 -- References)

## Books

Avise, John C. **The Hope, Hype & Reality of Genetic Engineering: Remarkable Stories from Agriculture, Industry, Medicine, and the Environment**. Oxford: Oxford University Press, 2004.

BA Call Number: 660.65 A958 (B1)

Barsanti, Laura, and Paolo Gualtieri. **Algae: Anatomy, Biochemistry, and Biotechnology**. Boca Raton: Taylor & Francis, 2006.

BA Call Number: 579.8 G912 (B1)

Bhattacharyya, Bimal C., and Rintu Banerjee. **Environmental Biotechnology**. Oxford Higher Education. Oxford: Oxford University Press, 2008.

BA Call Number: 628.52 B5757 (B1)

Brown, Terence A. **Genomes**. 2<sup>nd</sup> ed. Oxford: BIOS, 2002.

BA Call Number: 572.86 Bro G (B1)

Campbell, A. Malcolm, and Laurie J. Heyer. **Discovering Genomics, Proteomics, and Bioinformatics**. San Francisco: Benjamin Cummings, 2003.

BA Call Number: 572.86 Cam D (B4 -- Closed Stacks)

Cheremisinoff, Nicholas P. **Biotechnology for Waste and Wastewater Treatment**. Westwood, NJ: Noyes, 1996.

BA Call Number: 628.3 Che B (B1)

Crawford, Ronald L., and Don L. Crawford, eds. **Bioremediation: Principles and Applications**. Biotechnology Research Series 6. Cambridge: Cambridge University Press, 1996.

BA Call Number: 628.52 B (B1)

DiCosmo, Frank, and Masanaru Misawa, eds. **Plant Cell Culture Secondary Metabolism: Toward Industrial Application**. Boca Raton: CRC Press, 1996.

BA Call Number: 660.6 P (B1)

Dworkin, Martin, et al., eds. **The Prokaryotes: A Handbook on the Biology of Bacteria**. 3<sup>rd</sup> ed. New York: Springer, 2006.

BA Call Number: 579.3012 P96495 (B1)

Faber, Kurt. **Biotransformations in Organic Chemistry: A Textbook**. 3<sup>rd</sup>, completely rev. ed. New York: Springer, 1997.

BA Call Number: 660.634 Fab B (B1)

- Fukuda-Parr, Sakiko, ed. **The Gene Revolution: GM Crops and Unequal Development**. London: Earthscan, 2007.  
BA Call Number: 641.3 G3261 (B1)
- Fukuyama, Francis. **Our Posthuman Future: Consequences of the Biotechnology Revolution**. New York: Picador, 2002.  
BA Call Number: 303.483 F9619 (B2)
- Henry, Robert J., ed. **Plant Genotyping: The DNA Fingerprinting of Plants**. Wallingford, UK: CABI, 2001.  
BA Call Number: 581.35 P (B1)
- Hunter-Cevera, Jennie C., and Angela Belt, eds. **Maintaining Cultures for Biotechnology and Industry**. San Diego: Academic Press, 1996.  
BA Call Number: 660.6 M (B1)
- Jordan, Brian R., ed. **The Molecular Biology and Biotechnology of Flowering**. 2<sup>nd</sup> ed. Wallingford, UK: CABI, 2006.  
BA Call Number: 575.6 M7181 2006 (B1)
- Joshi, S. R. **Biopesticides: A Biotechnological Approach**. New Delhi: New Age International, 2006.  
BA Call Number: 632.96 J837 (B1)
- Joyner, Alexandra L., ed. **Gene Targeting: A Practical Approach**. 2<sup>nd</sup> ed. Practical Approach Series. Oxford: Oxford University Press, 2000.  
BA Call Number: 660.65 G (B1)
- Juma, Calestous, and Ismail Serageldin. **Freedom to Innovate: Biotechnology in Africa's Development: Report to the High-Level African Panel on Modern Biotechnology**. N.p.: African Union; New Partnership for Africa's Development, 2008.  
BA Call Number: 338.476606096 J948 (B2)
- Kaloo, G., and B. O. Bergh, eds. **Genetic Improvement of Vegetable Crops**. Oxford: Pergamon Press, 1993.  
BA Call Number: 635.0423 G (B1)
- Kayser, Oliver, and Rainer H. Müller. **Pharmaceutical Biotechnology: Drug Discovery and Clinical Applications**. Weinheim: John Wiley, 2004.  
BA Call Number: 615.19 K236 (B1)
- Kempf, Hervé. **La révolution biolithique: Humains artificiels et machines animées**. Sciences d'aujourd'hui. Paris: Albin Michel, 1998.  
BA Call Number: 660.6 Kem R (B1)
- Kriz, Alan Lawrence, and Brian A. Larkins, eds. **Molecular Genetic Approaches to Maize Improvement**. Biotechnology in Agriculture and Forestry 63. Berlin: Springer, 2009.  
BA Call Number: 633.15233 M7181 (B1)
- Kutter, Elizabeth, and Alexander Sulakvelidze, eds. **Bacteriophages: Biology and Applications**. Boca Raton: CRC Press, 2005.  
BA Call Number: 579.26 B131 (B1)

Lalithakumari, D. **Fungal Protoplast: A Biotechnological Tool**. Enfield, NH: Science, 2000.

BA Call Number: 660.6 Lal F (B1)

Lanza, Robert Paul, Robert S. Langer, and William L. Chick, eds. **Principles of Tissue Engineering**. San Diego: Academic Press; Austin: R. G. Landes, 1997.

BA Call Number: 612.028 P (B1)

Levin, Morris A., and Eitan Israeli, eds. **Engineered Organisms in Environmental Settings: Biotechnological and Agricultural Applications**. Boca Raton, FL: CRC Press, 1996.

BA Call Number: 660.6 E (B1)

Lisboa, Paulo J. G., Emmanuel C. Ifeakor, and Piotr S. Szczepaniak, eds. **Artificial Neural Networks in Biomedicine**. Perspectives in Neural Computing. London: Springer, 2000.

BA Call Number: 610.285632 A (B1)

Nossal, Gustav Joseph Victor, and Ross L. Coppel. **Reshaping Life: Key Issues in Genetic Engineering**. 3<sup>rd</sup> ed. Cambridge: Cambridge University Press, 2002.

BA Call Number: 660.65 Nos R (B1)

Olssen, Lisbeth, eds. **Biofuels**. Advances in Biochemical Engineering/Biotechnology 108. Berlin: Springer, 2007.

BA Call Number: 662.88 B6152 (B1)

Page, Michael I., and Andrew Williams. **Organic and Bio-Organic Mechanisms**. Harlow: Longman, 1997.

BA Call Number: 547.139 Pag O (B1)

Persley, Gabrielle J., and L. Reginald MacIntyre, eds. **Agricultural Biotechnology: Country Case Studies: A Decade of Development**. Biotechnology in Agriculture Series 25. Wallingford, UK: CABI, 2002.

BA Call Number: 631.523 A2781 (B1)

Phillips, Peter W. B., and George G. Khachatourians, eds. **The Biotechnology Revolution in Global Agriculture: Innovation, Invention, and Investment in the Canola Industry**. Wallingford, UK: CABI, 2001.

BA Call Number: 633.853 B6164 (B1)

Que, Lawrence, ed. **Physical Methods in Bioinorganic Chemistry: Spectroscopy and Magnetism**. Sausalito, CA: University Science, 2000.

BA Call Number: 572.51028 P (B1)

Rashidi, Hooman H., and Lukas K. Buehler. **Bioinformatics Basics: Applications in Biological Science and Medicine**. Boca Raton, FL: CRC Press, 2000.

BA Call Number: 570.285 Ras B (B1)

Rasko, John E. J., Gabrielle M. O'Sullivan, and Rachel A. Ankeny, eds. **The Ethics of Inheritable Genetic Modification: A Dividing Line?** Cambridge: Cambridge University Press, 2006.

BA Call Number: 174.957 E843 (B4)

Rehm, Hans-Jürgen, and Gerald Reed. **Biotechnology: A Multi-Volume Comprehensive Treatise**. 2<sup>nd</sup>, completely rev. ed. A Multi-Volume Comprehensive Treatise. Weinheim: VCH, 2001.

BA Call Number: 660.6 B (B1)

S., Harisha. **An Introduction to Practical Biotechnology**. Bangalore: LAXMI, 2006.

BA Call Number: 660.6 S1111 (B1)

Sarker, Satyajit D., Zahid Latif, and Alexander I. Gray, eds. **Natural Products Isolation**. 2<sup>nd</sup> ed. Methods in Biotechnology 20. Totowa, NJ: Humana Press, 2006.

BA Call Number: 547.7 N2851 2006 (B1)

Serageldin, Ismail, and G. J. Persley, eds. **Biotechnology and Sustainable Development: Voices of the South and North**. Biotechnology in Agriculture Series 26. Wallingford, Oxon, UK: CABI, 2003.

BA Call Number: 338.16 B (B2)

Serageldin, Ismail, and G. J. Persley. **Promethean Science: Agricultural Biotechnology, the Environment, and the Poor**. Washington, DC: Consultative Group on International Agricultural Research, 2000.

BA Call Number: 338.191724 Ser P (B2)

Singh, B. D. **Biotechnology**. 3<sup>rd</sup> rev. and enl. ed. Ludhiana: Kalyani, 2007.

BA Call Number: 660.6 S61735 2007 (B1)

Smale, Melinda, Svetlana Edmeades, and Higo De Groote, eds. **Genetic Resource Policies: Promising Crop Biotechnologies for Smallholder Farmers in East Africa: Bananas and Maize**. Research at a Glance 19-26. Washington, DC: International Food Policy Research Institute, 2006.

BA Call Number: 633.1509676 B6164 (B1)

Tzfira, Tzvi, and Vitaly Citovsky, eds. **Agrobacterium: From Biology to Biotechnology**. New York: Springer, 2008.

BA Call Number: 579.334 A281 (B1)

Walenkamp, G. H. I. M., ed. **Biomaterials in Surgery**. Stuttgart: Georg Thieme, 1998.

BA Call Number: 617.9178 B (B1)

Walsh, Gary. **Biopharmaceuticals: Biochemistry and Biotechnology**. 2<sup>nd</sup> ed. Chichester: John Wiley, 2003.

BA Call Number: 615.19 W223 2003 (B1)

Wu, William. **Gene Biotechnology**. 2<sup>nd</sup> ed. Boca Raton, FL: CRC Press, 2004.

BA Call Number: 572.86072 G3261 2004 (B1)

Yu, Zengliang. **Introduction to Ion Beam Biotechnology**. Translated by Yu Liangdeng, Thiraphat Vilaithong, and Ian Brown. New York: Springer, 2006.

BA Call Number: 530.416 Y941 (B1)

الجمال، عبد الباسط. **الهندسة الوراثية: الأمل والألم**. مكتبة الأسرة. القاهرة: الهيئة المصرية العامة للكتاب، ١٩٩٨.

BA Call Number: 660.65 J271 (B1)

المحاسنة، إحسان علي. **التقانات الحيوية**. تونس: المنظمة العربية، ١٩٩٥.

BA Call Number: 660.65 ت الم (B1)

أندرسون، والتر تروت. **عصر الجينات والإلكترونيات: الإنسان المزيد وشبكة العالم أجمع**. ترجمة أحمد مستجير. كتاب سطور. القاهرة: الهيئة المصرية العامة للكتاب، ١٩٩٧.

BA Call Number: 576.8 ع أند (B1)

بيومي، رضا أحمد عبد المجيد. **بيوتكنولوجيا الفطريات**. القاهرة: مكتبة الأنجلو المصرية، ٢٠٠٨.

BA Call Number: 660.62 B3619 (B1)

حنفي، نصر معوض. **التكنولوجيا الحيوية لمنتجات اللبن الثانوية**. القاهرة: دار الكتب العلمية، ٢٠٠٦.

BA Call Number: 637 H2337 (B1)

شوقي، أحمد. **هندسة المستقبل**. مكتبة الأسرة. الأعمال العلمية. القاهرة: الهيئة المصرية العامة للكتاب، ٢٠٠٢.

BA Call Number: 660.65 S537 (B1)

فهمي، فكرى جلال محمد. **زراعة الأنسجة النباتية**. القاهرة: دار الكتب العلمية، ٢٠٠٣.

BA Call Number: 631.5233 F157 (B1)

فوكوياما، فرانسيس. **مستقبلنا بعد البشرى: عواقب ثورة التقنية الحيوية**. ترجمة إيهاب عبد الرحيم محمد. دراسات مترجمة ٢٣.

أبو ظبي: مركز الإمارات للدراسات والبحوث الاستراتيجية، ٢٠٠٣.

BA Call Number: 174.25 F9619 (B4)

## E-Books

Brossard, Dominique, James Shanahan, and T. Clint Nesbitt, eds. **The Media, the Public and Agricultural Biotechnology**. Wallingford, Oxon, UK: CAB International, 2007. e-book. ebrary (database).

Chiesa, Vittorio, and Davide Chiaroni. **Industrial Clusters in Biotechnology: Driving Forces, Development Processes, and Management Practices**. London: Imperial College Press, 2005. e-book. ebrary (database).

Evenson, Robert E., and Vittorio Santaniello, eds. **Consumer Acceptance of Genetically Modified Foods**. Wallingford, Oxon, UK: CAB International, 2004. e-book. ebrary (database).

Gimble, Jeffery M. **Academia to Biotechnology: Career Changes at Any Stage**. N.p.: Academic Press, 2004. e-book. ScienceDirect (database).

Gosling, Peter J. **Dictionary of Biomedical Science**. London: Routledge, 2002. e-book. ebrary (database).

Guzmán, Carlos A., and Giora Z. Feuerstein, eds. **Pharmaceutical Biotechnology**. Advances in Experimental Medicine and Biology 655. New York, NY: Springer Science+Business Media; Landes Bioscience, 2009. e-book. SpringerLink (database).

Hin, Teoh Swee. **Engineering Materials for Biomedical Applications**. Biomaterials Engineering and Processing Series 1. New Jersey: World Scientific, 2004. e-book. ebrary (database).



Neumann, Karl-Hermann, Ashwani Kumar, and Jafargholi Imani. **Plant Cell and Tissue Culture: A Tool in Biotechnology: Basics and Application**. Principles and Practice. Berlin: Springer, 2009. e-book. SpringerLink (database).

Newell-McGloughlin, Martina, and Edward Re. **The Evolution of Biotechnology: From Natufians to Nanotechnology**. Dordrecht: Springer, 2006. e-book. SpringerLink (database).

Parker, Sybil P., ed. **McGraw-Hill Dictionary of Bioscience**. 2<sup>nd</sup> ed. New York: McGraw-Hill, 2003. e-book. ebrary (database).

Sasson, Albert. **Medical Biotechnology: Achievements, Prospects, and Perceptions**. Tokyo: United Nations University Press, 2005. e-book. ebrary (database).

Shareefdeen, Zarook, and Ajay Singh, eds. **Biotechnology for Odor and Air Pollution Control**. Berlin: Springer, 2005. e-book. SpringerLink (database).

Somsen, J. **Regulating Modern Biotechnology in a Global Risk Society: Challenges for Science, Law and Society**. Amsterdam: Vossiuspers UvA, 2005. e-book. ebrary (database).

Tzfira, Tzvi, and Vitaly Citovsky, eds. **Agrobacterium: From Biology to Technology**. New York, NY: Springer, 2008. e-book. SpringerLink (database).

United States. National Research Council. Committee on Capturing the Full Power of Biomaterials for Military Medical Needs. **Capturing the Full Power of Biomaterials for Military Medicine: Report of a Workshop**. Washington, DC: National Academies Press, 2004. e-book. ebrary (database).

Digital Assets . بيومي، رضا أحمد عبد المجيد. **بيوتكنولوجيا الفطريات**. القاهرة: مكتبة الأنجلو المصرية، ٢٠٠٨. كتاب إلكتروني. Repository (DAR) (قاعدة بيانات).

Digital Assets . فهمي، فكري جلال محمد. **زراعة الأنسجة النباتية**. القاهرة: دار الكتب العلمية، ٢٠٠٣. كتاب إلكتروني. Repository (DAR) (قاعدة بيانات).

E-books are only available on site. Because of library license agreements, they are not available for remote users.

## **Periodicals**

The following periodicals may include articles on *Biotechnology* and related disciplines:

**African Journal of Biotechnology.** Online e-journal. Academic Journals. 2002-2010.  
[www.academicjournals.org/AJB](http://www.academicjournals.org/AJB) [accessed 13 Apr 2010]

**AgBioForum (ABF).** [University of Missouri-Columbia]. Online e-journal. 1998-2009.  
[www.agbioforum.org](http://www.agbioforum.org) [accessed 13 Apr 2010]

**American Journal of Biochemistry and Biotechnology.** Online e-journal. Science Publications. 2005-2010.  
[www.scipub.org/scipub/c4p.php?j\\_id=ajbb](http://www.scipub.org/scipub/c4p.php?j_id=ajbb) [accessed 13 Apr 2010]

**Asian Biotechnology and Development Review.** Online e-journal. Research and Information System for Developing Countries (RIS). 1997-2009.  
[www.ris.org.in/abdr.html](http://www.ris.org.in/abdr.html) [accessed 13 Apr 2010]

**Biochemical Engineering Journal.** Elsevier. e-journal. ScienceDirect (database). 2000-2010.

**Bioethics.** Blackwell. e-journal. Academic Search Complete (database). 1998-2009.

**Biomaterials.** Elsevier. e-journal. ScienceDirect (database). 2000-2010.

**Bio-Medical Materials and Engineering.** IOS Press. e-journal. Academic Search Complete (database). 1997-2009.

**Biomedicine & Pharmacotherapy.** Elsevier. e-journal. ScienceDirect (database). 2000-2010.

**Biomolecular Engineering.** Elsevier. e-journal. ScienceDirect (database). 2000-2007.

**BioScience.** American Institute of Biological Sciences. e-journal. JSTOR (database). 1964-2006.

**BioScience.** American Institute of Biological Sciences. e-journal. Academic Search Complete (database). 1992-2010.

**Bioscience, Biotechnology, and Biochemistry.** Japan Society for Bioscience, Biotechnology and Agrochemistry. Online e-journal. 1992-2010.  
[www.jstage.jst.go.jp/browse/bbb](http://www.jstage.jst.go.jp/browse/bbb) [accessed 13 Apr 2010]

**Biotechnologie, Agronomie, Société et Environnement.** Faculté universitaire des sciences agronomiques de Gembloux (FUSAGx); Centre wallon de recherches agronomiques (CRA-W). Les Presses agronomiques de Gembloux. Online e-journal. 1997-2010.  
[www.bib.fsagx.ac.be/base](http://www.bib.fsagx.ac.be/base) [accessed 13 Apr 2010]

**Biotechnology & Biotechnological Equipment.** Online e-journal. Diagnosis Press. 2003-2010.  
[www.diagnosisp.com/dp/journals/archive.php?journal\\_id=1&PHPSESSID=58730fd4acdc37ccccbb8db4353f2544](http://www.diagnosisp.com/dp/journals/archive.php?journal_id=1&PHPSESSID=58730fd4acdc37ccccbb8db4353f2544) [accessed 13 Apr 2010]

**Biotechnology and Molecular Biology Reviews.** Online e-journal. Academic Journals. 2006-2010.  
[www.academicjournals.org/bmbr](http://www.academicjournals.org/bmbr) [accessed 13 Apr 2010]

**BMC Biotechnology.** Online e-journal. BioMed Central. 2001-2010.  
[www.biomedcentral.com/bmcbiotechnol](http://www.biomedcentral.com/bmcbiotechnol) [accessed 13 Apr 2010]

**Cell.** 1990-1996, 2004-2009.

Locations: B4 – Periodicals ; B4 -- Closed Stacks ; B2 -- Special Collections -- Closed Stacks

**Electronic Journal of Biotechnology.** Universidad Católica de Valparaíso. Online e-journal Bioline. 1998-2009.

[www.bioline.org.br/ej](http://www.bioline.org.br/ej) [accessed 13 Apr 2010]

**Food Technology and Biotechnology (FTB).** University of Zagreb. Faculty of Food Technology and Biotechnology. Online e-journal. 1993-2010.

[www.ftb.com.hr](http://www.ftb.com.hr) [accessed 13 Apr 2010]

**Genetic Engineering and Biotechnology News (GEN).** Mary Ann Liebert. Online e-journal. 2005-2010.

[www.genengnews.com](http://www.genengnews.com) [accessed 13 Apr 2010]

**Genome.** NRC Research Press. e-journal. Academic Search Complete (database). 2001-2009.

**IEEE Transactions on Biomedical Engineering.** IEEE Engineering in Medicine and Biology Society. e-journal. IEEE Xplore (database). 1964-2010.

**Journal of Biomedical Informatics.** Elsevier. e-journal. ScienceDirect (database). 2001-2010.

**Journal of Bioscience and Bioengineering.** Japan. The Society for Biotechnology. e-journal. ScienceDirect (database). 1999-2010.

**Journal of Biotechnology.** Elsevier. ScienceDirect (database). 1984-2010.

**Journal of Nanobiotechnology.** Online e-journal. BioMed Central. 2003-2010.

[www.jnanobiotechnology.com](http://www.jnanobiotechnology.com)

**Nature Genetics.** Nature America. e-journal. Academic Search Complete (database). 1998-2009.

**The Open Biotechnology Journal.** Online e-journal. Bentham Open. 2007-2010.

[www.bentham.org/open/tobiotj](http://www.bentham.org/open/tobiotj) [accessed 13 Apr 2010]

**Plant Biotechnology.** Japanese Society for Plant Cell and Molecular Biology. Online e-journal. 2001-2009.

[www.jstage.jst.go.jp/browse/plantbiotechnology](http://www.jstage.jst.go.jp/browse/plantbiotechnology) [accessed 13 Apr 2010]

**Trends in Biomaterials & Artificial Organs.** Online e-journal. Society for Biomaterials and Artificial Organs (India). 2000-2010.

[www.sbaoi.org/society\\_journal.htm](http://www.sbaoi.org/society_journal.htm) [accessed 13 Apr 2010]

Print periodicals and e-journals from databases are only available on site. Because of library license agreements, e-journals from databases are not available for remote users.

## **Databases**

The following databases may include articles on *Biotechnology* and related disciplines:

**Academic Search Complete.** EBSCO.

[www.epnet.com](http://www.epnet.com)

**CAB Abstracts.** EBSCO.

[www.epnet.com](http://www.epnet.com)

**General OneFile.** Gale.

[www.gale.com](http://www.gale.com)

**Global Health.** EBSCO.

[www.epnet.com](http://www.epnet.com)

**International Pharmaceutical Abstracts (IPA).** EBSCO.

[www.epnet.com](http://www.epnet.com)

**JSTOR.**

[www.jstor.org](http://www.jstor.org)

**MEDLINE with Full Text.** EBSCO.

[www.epnet.com](http://www.epnet.com)

**ScienceDirect.** Elsevier.

[www.sciencedirect.com](http://www.sciencedirect.com)

**SpringerLink.**

[www.springerlink.com/home/main.mpx](http://www.springerlink.com/home/main.mpx)

The following databases may include bibliographical references of articles on *biotechnology* and related disciplines:

**EMBASE.** Elsevier.

[www.embase.com/home;jsessionid=FE9B237E0F07573669C4277EB75C2D62](http://www.embase.com/home;jsessionid=FE9B237E0F07573669C4277EB75C2D62)

**Scopus.** Elsevier.

[www.scopus.com/home.url](http://www.scopus.com/home.url)

The following database may include theses on *biotechnology* and related disciplines:

**Proquest Dissertations and Thesis.**

<http://proquest.umi.com/pqdweb?RQT=302&cfc=1>

Databases are only available on site. Because of library license agreements, they are not available for remote users.

## International Organizations' Documentation

Dhlamini, Z., et al. **Status of Research and Application of Crop Biotechnologies in Developing Countries: Preliminary Assessment.** Rome: Food and Agriculture Organization of the United Nations, 2005.

BA Call Number: 631.5233 S79792 (F2 -- FAO)

Food and Agriculture Organization of the United Nations. **Genetically Modified Organisms, Consumers, Food Safety, and the Environment.** FAO Ethics Series, 2. Rome: Food and Agriculture Organization of the United Nations, 2001.

BA Call Number: 664 G3285 (F2 -- FAO)

Ghosh, Kakoli, and Paul C. Jepson. **Genetically Modified Organisms in Crop Production and their Effects on the Environment: Methodologies for Monitoring and the Way Ahead: Expert Consultation,** 18-20 January 2005. Rome: Food and Agriculture Organization of the United Nations, 2006.

BA Call Number: 338.16 G3285 (F2 -- FAO)

Glowka, Lyle. **Law and Modern Biotechnology: Selected Issues of Relevance to Food and Agriculture.** FAO Legislative Study 78. Rome: Food and Agriculture Organization of the United Nations (FAO), 2003.

BA Call Number: 343.0786606 G5669 (F2 -- FAO)

Joint FAO/WHO Food Standards Programme. Codex Alimentarius Commission. **Foods Derived from Modern Biotechnology.** 2<sup>nd</sup> ed. Codex alimentarius. Rome: Food and Agriculture Organization of the United Nations; World Health Organization, 2009.

BA Call Number: 363.192 F218fd 2009 (F2 -- FAO)

Ruane, John, and Andrea Sonnino. **Results from the FAO Biotechnology Forum: Background and Dialogue on Selected Issues.** FAO Research and Technology Paper 11. Rome: Food and Agriculture Organization of the United Nations (FAO), 2006.

BA Call Number: 338.16091724 R8945 (F2 -- FAO)

Ruane, John, and Andrea Sonnino, eds. **The Role of Biotechnology in Exploring and Protecting Agricultural Genetic Resources.** Rome: Food and Agriculture Organization of the United Nations (FAO), 2006.

BA Call Number: 338.16 R7451 (F2 -- FAO)

**Safety Assessment of Foods Derived from Genetically Modified Animals, Including Fish: Report of the FAO/WHO Expert Consultation, Rome, 17-21 November 2003.** FAO Food and Nutrition Paper, 79. Rome: World Health Organization; Food and Agriculture Organization of the United Nations, 2004.

BA Call Number: 363.1929 S1283 (F2 -- FAO)

World Health Organization. Regional Office for the Eastern Mediterranean. **Health-Related Research Institutes on Genomics and Biotechnology in the WHO Eastern Mediterranean Region.** Cairo: World Health Organization. Regional Office for the Eastern Mediterranean, 2005.

BA Call Number: 660.65 H4342 (F2 -- WHO)

## Conference Proceedings

Arab Conference on Perspectives of Modern Biotechnology in the Arab Countries. **Proceedings of the First Arab Conference on Perspectives of Modern Biotechnology in the Arab Countries, Amman, March 1989.** Bhagdad: United Nations. Economic and Social Commission for Western Asia, 1989.

BA Call Number: ESCWA 660.6 A6581 (F2 -- ESCWA)

BioVision Alexandria. **Changing Lives: BioVision Alexandria 2006.** Edited by Ismail Serageldin and Ehsan Masood. Alexandria, Egypt: Bibliotheca Alexandrina, 2007.

BA Call Number: 660.6 B6169c (B1)

BioVision Alexandria. **Discovery to Delivery: BioVision Alexandria 2004.** Edited by Ismail Serageldin and Gabrielle J. Persley. Alexandria: Bibliotheca Alexandrina, 2005.

BA Call Number: 660.6 D6116 (B1)

BioVision Alexandria. **New Life Sciences: From Promises to Practice, 12-16 April 2008.** Alexandria: Bibliotheca Alexandrina, 2004.

BA Call Number: 660.6 B6169n (B1)

International Biotechnology Conference. **Fermentation Technologies: Industrial Applications.** Edited by Pak-Lam Yu. London: Elsevier Applied Science, 1990.

BA Call Number: 660.28449 I (B1)

## Videocassettes

Biotechnology and Sustainable Development: Voices of the South and North. **Biotechnology and Sustainable Development: Voices of the South and North**. VHS. Bibliotheca Alexandrina Conferences. Alexandria: Bibliotheca Alexandrina, 2002.

BA Call Number: VHS 1474, VHS 1475, VHS 1476, VHS 1477, VHS 1478, VHS 1479,  
VHS 1480, VHS 1481, VHS 1482, VHS 1483, VHS 1484, VHS 1485,  
VHS 1486, VHS 1487, VHS 1488, VHS 1489, VHS 1490, VHS 1491,  
VHS 1492, VHS 1493, VHS 1494, VHS 1495, VHS 1496  
(B3 -- Arts and Multimedia Library)

BioVision Alexandria. **New Life Sciences: Changing Lives**. VHS. Bibliotheca Alexandrina Conferences. Alexandria: Bibliotheca Alexandrina, 2006.

BA Call Number: VHS 2630, VHS 2631, VHS 2632, VHS 2633, VHS 2634, VHS 2635,  
VHS 2636, VHS 2637, VHS 2638, VHS 2639, VHS 2640, VHS 2641,  
VHS 2642, VHS 2643, VHS 2644, VHS 2645, VHS 2646, VHS 2647,  
VHS 2648, VHS 2649  
(B3 -- Arts and Multimedia Library)

BioVision Alexandria. **The New Life Sciences: Ethics, Patents and the Poor: Biovision Alexandria**. VHS. Bibliotheca Alexandrina Conferences. Alexandria: Bibliotheca Alexandrina, 2004.

BA Call Number: VHS 1644, VHS 1645, VHS 1646, VHS 1647, VHS 1648, VHS 1649,  
VHS 1650, VHS 1651, VHS 1652, VHS 1653, VHS 1654, VHS 1655,  
VHS 1656, VHS 1657, VHS 1658, VHS 1660, VHS 1661  
(B3 -- Arts and Multimedia Library)

**Discovering the Double Helix**. VHS. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory, 2000.

BA Call Number: VHS 2334 (B3 -- Arts and Multimedia Library)

**DNA Profiling**. VHS. Produced and directed by Jim Franks. London: EBS Trust, 1998.

BA Call Number: VHS 1287 (B3 -- Arts and Multimedia Library)

## Web Resources

“Biotechnology”. **Organisation for Economic Co-operation and Development (OECD)**.  
[www.oecd.org/topic/0,2686,en\\_2649\\_37437\\_1\\_1\\_1\\_1\\_37437,00.html](http://www.oecd.org/topic/0,2686,en_2649_37437_1_1_1_1_37437,00.html) [accessed 20 Mar 2010]

This website provides an overview of work currently being undertaken by the OECD in the field of biotechnology. Coverage includes biotechnology and agriculture, biotechnology in science/technology and industry. The website also provides scientific updates and news releases. In English or French.

“Biotechnology in Food and Agriculture”. **Food and Agriculture Organization of the United Nations (FAO)**.

[www.fao.org/biotech/index.asp?lang=en](http://www.fao.org/biotech/index.asp?lang=en) [accessed 20 Mar 2010]

The website contains FAO documents related to the use of biotechnology in food and agriculture, national biotechnology policy documents of FAO members, a database of the state-of-the-art of crop biotechnology products and techniques in developing countries, as well as glossaries in 6 languages. In Arabic, Chinese, English, French, Spanish or Russian.

United States. Department of Energy. Office of Science. Office of Biological and Environmental Research. “Human Genome Project Information”. **Oak Ridge National Laboratory**.

[www.ornl.gov/sci/techresources/Human\\_Genome/home.shtml](http://www.ornl.gov/sci/techresources/Human_Genome/home.shtml) [accessed 20 Mar 2010]

This site details the progress of the Human Genome Project (1990-2003), a joint effort of the U.S. Department of Energy and the National Institutes of Health. The clear table of contents on the homepage facilitates browsing. The site contains links to research topics, project information, news, publications, and ethical issues. In English.

United States. National Institutes of Health. National Library of Medicine. National Center for Biotechnology Information. “National Center for Biotechnology Information”. **National Institutes of Health: United States National Library of Medicine**.

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) [accessed 20 Mar 2010]

The National Center for Biotechnology Information, reporting to the U.S. National Library of Medicine, offers a website with links to promising databases and research software. In English.



## **Professional Organizations and Societies**

### **American Society of Gene Therapy**

555 East Wells Street

Suite 1100

Milwaukee, WI 53202

**Tel:** (414) 278 1341

**Fax:** (414) 276 3349

**E-mail:** [info@asgt.org](mailto:info@asgt.org)

[www.asgt.org](http://www.asgt.org)

### **Biomedical Engineering Society**

8201 Corporate Drive

Suite 1125

Landover, MD 20785-2224

**Tel:** (301) 459 1999

**Fax:** (301) 459 2444

**E-mail:** [info@bmcs.org](mailto:info@bmcs.org)

[www.bmes.org](http://www.bmes.org)

### **Biotechnology Industry Organization (BIO)**

1201 Maryland Avenue, SW

Suite 900

Washington, DC 20024

**Tel:** (202) 962 9200

**Fax:** (202) 488 6301

**E-mail:** [info@bio.org](mailto:info@bio.org)

[www.bio.org](http://www.bio.org)

### **Federation of American Societies for Experimental Biology**

9650 Rockville Pike

Bethesda, MD 20814

**Tel:** (301) 634 7000

**Fax:** (301) 634 7001

E-mail: [info@faseb.org](mailto:info@faseb.org)

[www.faseb.org](http://www.faseb.org)

### **The International Centre for Genetic Engineering and Biotechnology (ICGEB)**

AREA Science Park

Padriciano 99

34012 Trieste – Italy

**Tel:** (+39) 040 37571

**Fax:** (+39) 040 226555

**E-mail:** [decio@icgeb.org](mailto:decio@icgeb.org)

[www.icgeb.trieste.it](http://www.icgeb.trieste.it)