Biosystems and Agricultural Engineering

General Resources in Biosystems and Agricultural Engineering Education

American Society of Agricultural and Biological Engineers (ASABE).
Homepage of the ASABE with membership and conference information, links to publications, and other useful materials. Typing “education” and “teaching” into their Technical Library search engine brings up over 1000 abstracts of ASABE articles focused on teaching in this field, with full text available to members or for purchase as individual print documents. http://www.asabe.org/ [1]

The ASABE publishes four journals requiring subscription. For description and criteria see http://www.asabe.org/publications/authors/journal-description-and-criteria.aspx [2]

Applied Engineering in Agriculture
Biological Engineering Transactions (formerly Biological Engineering)
Transactions of the ASABE
Journal of Agricultural Safety & Health

Institute of Biological Engineering.

Journal of Natural Resources and Life Sciences Education (American Society of Agronomy).
A peer reviewed journal for teaching ideas K-16 in the life sciences, natural resources, and agriculture. Includes course descriptions, articles on use of online materials, exercises, web lessons, learning activities, SoTL research, and issues in teaching. Online version continuously updated during the year; one hard copy version published in December. Current issue available to paid subscribers only; full text of archived issues, 1998-2005, available free online.

Agripedia (University of Kentucky, College of Agriculture).
A comprehensive multimedia instructional resource for all areas within the study of agriculture and natural resources, including biosystems and agricultural engineering. Has searchable database for courses, course materials, a glossary, and relevant resources. Unfortunately, there are some dead links, but the site still has much to offer educators who are willing to browse through the numerous links provided.
http://www2.ca.uky.edu/agripedia/ [7]
Teaching Biosystems and Agricultural Engineering

MIT OpenCourseWare—Biological Engineering.
The portal to MIT’s free online resources, courses, course materials, and curriculum for teaching biological engineering. http://ocw.mit.edu/courses/biological-engineering/

Biological Systems and Agricultural Engineering Education Wing of the National Science Digital Library Engineering Pathway.

Digital Library for Earth System Education (DLESE).
Supported in part by the National Science Foundation, the DLESE offers access to electronic materials in all aspects of earth science education, including agricultural engineering, for both teachers and learners at all levels. Has searchable database with such materials as maps, images, online courses, field and lab activities, curriculum, and assessment. http://www.dlese.org/library/index.jsp

Michigan State University Resources in Biosystems and Agricultural Engineering

MSU Department of Biosystems and Agricultural Engineering
http://www.egr.msu.edu/age/

These resources were compiled and annotated by Lois Rosen, Ph.D., Instructional Consultant for the Office of Faculty and Organizational Development, Michigan State University.

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