

A photograph of a dense forest with tall, dark tree trunks and a lush green undergrowth of ferns. The scene is split vertically, with the left side showing a close-up of a tree trunk and the right side showing a person in a red jacket and blue backpack walking through the forest. The text is overlaid on the image.

Educational Materials and Training Program Development

Albert P. Kausch

Educational Materials Development

Albert P. Kausch

*Innovated, Designed and Authored All New Online Courses
For a General Education Audience*

- *Issues In Biotechnology*
- *Issues in COVID Biology, Biotechnology and Sociology*
- *Issues in Agriculture and Biotechnology*
- *CEA: Food for the Future: A General Education Course*

Issues in Biotechnology

A General Education Course for a General Audience

Online Asynchronous

By

Albert P. Kausch, Ph.D.

Professor



[Ctrl + Click to follow link](#)

The applications and developments in biotechnology are among the most provocative and socially relevant topics today. This course, *Issues in Biotechnology*, is intended for a broad audience; we include various majors and levels. *There are no prerequisites for this course.* This is not a course meant to ‘weed out’ biology majors or pre-med students, but rather to include the many perspectives on the broad ranging topics in biotechnology today.

The COVID Lecture Series

The Pandemic:

The Biology, Biotechnology & Social Impacts

A General Education Course for a General Audience

On The Way We Work With Life

&

The COVID-19 Pandemic: The Biology, Biotechnology and Social Impacts

Online Asynchronous

by

Albert P. Kausch, Ph.D.

Professor and Education Consultant



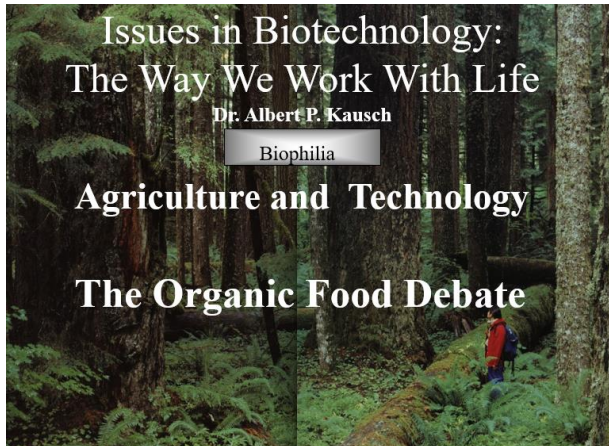
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This course examines various aspects of the Pandemic. **The COVID-19 pandemic resulted in profound worldwide personal tragedy, loss, mourning and grief for all of us. What have we learned? What do we know now?** By any measure, the turbulent impact of the pandemic on global health, the world economy and this period of history will be a lasting and dark legacy. These impacts, and their ramifications, will continue long into the future. Future generations will be defined by it. No matter what your perspective or background you will find this course informative on the many broad and relevant topics of biotechnology today. This course is unique and well appreciated.

Issues in Agriculture and Biotechnology

A General Education Course for a General Audience

On The Way We Work With Life



Online Asynchronous

by

Albert P. Kausch and David Songstad
Professors and Education Consultants

Humans have been cultivating plants for a sustainable source of food for over 10,000 years, moving from hunting and gathering societies into civilization. With agriculture all the other achievements of civilization were realized including writing, property law, and government. In this course we will examine **Agricultural Biotechnology** in three Parts including: **Part I. Where Does Our Food Come From?; Part II. DNA-based Biotechnology And Modern Agriculture; Part III. Issues, Controversies and Concerns: a. Setting the Stage about Food and Agriculture;; b. Issues, Controversies and Concerns.** We hope this puts modern DNA-based biotechnology in context and addresses the concerns and misconceptions about Genetically Modified Organisms (GMOs) and their application in agriculture.

Education Program

New Curriculum Development

Four and four plus two Degree Programs:

- **CEA Crop Science**
- **Advanced Crop Breeding**
- **Science Policy**

Educating and Training the Work force for tomorrow today

Educational and Training Materials Development

Curriculum Development

The Agricultural Biotechnology Industry

The CEA Industry

The Cannabis Industry

Cognizant Learning

Albert P. Kausch

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Educational Materials Development

Innovative Education

Online Content Development

Science Education

Science Policy

Corporate Learning

Online Universities

Large Scale Dissemination and Impact Model

**Addressing the current post-pandemic online
educational market needs**

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Educational Materials Development Interfacing with OMO-The Missing Piece

**OMO-AR-AI-VR-Wiki Enhanced Avatar Updated
and Driven Educational Learning Platform
Development**

Highly Innovative Education Technology

Gaming Video Technology Driven

S-O-T-A Content- Blockchain Technology

Science Education & Policy

Corporate Learning-Certificates

Online Universities-Large Revenues

Global Impact

Cognizant Learning

Albert P, Kausch

Educational Materials Development Interfacing with OMO-The Missing Piece

- **Large Scale Global Dissemination and Impact Model**
- **Addressing the Problem with Online Education**
- **Addressing the current post-pandemic Online educational market needs**

A Model for Board-Scale Dissemination of Educational Materials-Providing Impact

Education Material and Content Development
Biophilia Istitute.com

Licensing and Implementation of Issues in Biotechnology Course(s) And Modules

Existing Strictly Online Universities:
Western Governors Univ.
Maryville Univ.
Univ. of Phoenix
Rushmore Univ

Development of Similar Courses Agriculture, CEA

Existing Universities With Top Online Programs
Southern New Hampshire Univ.
Purdue Univ. Global
Col. State Univ. Global
Ashford Univ.
St Leo Univ.
Arizona State Univ.
Western Kentucky Univ.

Development of New Online Gen Ed Science Curricula and New Courses

Across all NE Land Grant Universities

Existing Bricks and Mortar Universities w/Online Programs

Certificates for HR Professional Enhancement

LMS Providers
D2L Brightspace
Blackboard
Google
Klaspad UK

Employee Training Certificates

Large Companies:
Agriculture
Pharmaceutical
Medical
Environment

Education and training for tomorrow's workforce today



GROWING THE FUTURE

We're nurturing the next generation.

We are investing in tomorrow's farmers and futurists today. Partnering with educational institutions in the region and around the world, we're creating AgTech opportunities for a whole new generation of growers, leaders, dreamers and doers.

Educating the Public - Raising the bar

Educating the Educators - Teaching Teachers

Content by the Teachers for the Teachers
(there is a lot of good material out there.)

Incentivizing and rewarding teachers

Large International Audience

Potentially Large Revenue Sharing Streams

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OMO Learning

Video Gaming Technology Enhanced Learning For Biotechnology Education Interactive VR/AI/AR for The Web 3.0

*Applying AI Technologies to Training and
Education*

- Beyond Training Videos

Education for Web 3.0 and the Metaverse in the Singularity

OMO Educational Materials Development

Content By Peer Review-The Premise

*Educators have been producing online course content en masse, on their own, since the pandemic
Some of this is exceptional.*

Dr. Kausch proposes to use the LMS Providers to Acquire new Content; Incentivizing the educators with royalties for submissions

Blockchain technology

Educational Materials Development

Content By Peer Review

OMO and Large General Education Online Educational Materials Development *Curriculum Development*

*Example 1. Plant Transformation and Genome Editing-
Advanced Plant Breeding for Development of New Varieties*

*Example 2: Science Policy - There is no Degree Program for
Science Policy (Rushmore University et al. with an
International Science Faculty in Place)*

*Example 3: CEA Training and Education - Work with the
CEA Industry to make these materials*

OMO Educational Materials Development

A Huge Global Market

OMO Driven Education

-The Future of Hands-on Mentoring And Interactivity within Online Education

-This is “The Missing Piece” to Online Education

-Already growing programs in China

OMO Driven Educational and Training Materials And Program Development

Applying AI, VR, and Gaming Technologies to Training and Education

- Beyond Training Videos

- *Plant Transformation and Genome Editing Technologies will Change World Agriculture*
 - If we can Train the people*
- *Large scale CEA training requires appropriate new curricula*
 - New Bachelor's and Master's Degree Programs*

Educational and Training Materials Development

***The Future of Hands-on Mentoring
Is OMO and AR informed by AI***

Training Materials

Development in Web 3.0

*Meeting the Challenge of Teaching
Experiential Hands-On Techniques*

Training Program Development

*Providing Extensive Training Programs
On Difficult Laboratory-Based Techniques*

Educational Materials Development

*Large scale CEA training requires appropriate curricula
-New Bachelor's and Master's Degree Programs*

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Get Involved

How Much Good Can You Do