

Pathway Summary Descriptions & Details for SAE Journals

Pathway in: Biotechnology Systems



Code	Summary Activity Description	AFNR Description	Additional AFNR Details
BS.01	Conducting activities in Biotechnology	Recognize the historical, social, cultural and potential applications of biotechnology.	Distinguish major innovators, historical developments and potential applications of biotechnology in agriculture.
			Determine regulatory issues and identify agencies associated with biotechnology.
			Analyze the ethical, legal, social and cultural issues relating to biotechnology.
BS.02	Performing laboratory skills	Demonstrate laboratory skills as applied to biotechnology.	Maintain and interpret biotechnology laboratory records.
			Operate biotechnology laboratory equipment according to standard procedures.
			Demonstrate proper laboratory procedures using biological materials.
			Safely manage biological materials, chemicals and wastes used in the laboratory.
			Perform microbiology, molecular biology, enzymology and immunology procedures.
BS.03	Applying biotechnology or genetic engineering processes	Demonstrate the application of biotechnology to Agriculture, Food and Natural Resources (AFNR).	Evaluate the application of genetic engineering to improve products of AFNR systems.
			Perform biotechnology processes used in AFNR systems.
			Use biotechnology to monitor and evaluate procedures performed in AFNR systems.