



DEPARTMENT OF BIORESOURCES

School of Biological Sciences

UNIVERSITY OF KASHMIR, SRINAGAR-190006

NAAC Accredited Grade A⁺ University

B	List of Entrepreneurship development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	BR18004OE	Bioindustries	Given the status and scope of Bioindustries in modern society, the students should be endowed with strong theoretical knowledge of this technology. In conjunction with the practicals in processing, handling and packaging of various products, the students should be able to take up biological research as well as placement in the relevant bioindustries industry.
	BR18306DCE	Biocosmetics	To abreast students with the basics structure of skin and hair and products for skin and hair care. Give them idea about use of biobased formulations for skin and hair care. Give them know how about the important plants and their products used in skin and hair care. To study about the biobased fragrances, allergenicity of fragrances and aromatherapy.



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C	List of Skill development Courses:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	BR22001GE	Industrial Entomology	To familiarize the students with entrepreneurial opportunities in entomology provide information on productive animals and their products. To equip learners with the knowledge of methodology of lac culture, processing and uses of Lac.
	BR23403CR	Microbial Biotechnology	To understand, learn and gain skills of isolation, culturing and maintenance of pure culture. To understand the importance of replication, transcription, translation, mutation and repair in the cell. To learn about fermentation techniques, fermentation processes, fermentors. Students will understand the use of microbes for the production of various items of commercial use.
	BR23402CR	Animal Cell and Tissue Technology	To learn the fundamentals of tissue engineering, tissue repairing and their clinical applications. To understand the basic concept behind tissue engineering focusing on the stem cells, biomaterials and its applications.
	BR22006GE	Biocontrol and Crop Management	To familiarize the students with beneficial use of microbial biofertilizers and biopesticides. To familiarize students with the microbes used as biocontrols for various crop plants and their advantages over chemical fertilizers.

1.1.2	Does the Programme offer focus on Employability/ Entrepreneurship/ Skill development courses (Y/N) YES		
A	List of Employability Courses		
	Course Code	Course Title	Brief Justification
	BR18007GE	Industrial Entomology	Learner would adopt modern rearing techniques of honey bees, silkworm and lac and would realize the economic scope of apiculture, sericulture and their products.
	BR22008GE	Organic Farming	To Produce Organic Crops systematically through scientific selection of crops, adoption of appropriate cropping pattern and Crop cultivation under organic farming, Maintain the quality of the produce and find a market for their Organic products.
	BR22002GE	Algal Resources	To learn about the nutritive value of algae, their medicinal importance and their possible use in modern medicine to understand the advantages and limitation of using algae in sustainable energy production and as biofertilizers for sustainable agriculture.
	BR18005GE	Biomedicine and Bioprospecting	To understand the importance of plants as a rich sources of medicine especially for those living in close proximity with nature like tribal and forest dwellers to have idea about different types of herbal extracts and preparations used in traditional systems of medicine.