MEDICAL BIOTECHNOLOGY AND NANOBIOTECHNOLOGY (LM49)

(Lecce - Università degli Studi)

Teaching BIOPRODUCTION		Teaching in italian BIOPRODUCTION	Course year 2
		Teaching BIOPRODUCTION	Language ENGLISH
		SSD code BIO/01	Curriculum BIOMEDICO
GenCod A004554 Owner professor Gian Pietro DI SANSEBASTIANO		Reference course MEDICAL BIOTECHNOLOGY AND	
		Course type Laurea Magistrale	Location Lecce
		Credits 6.0 Teaching hours Front activity hours: 50.0	Semester First Semester
			Exam type Oral
			Assessment Final grade
		For enrolled in 2021/2022	Course timetable
		Taught in 2022/2023	https://easyroom.unisalento.it/Orario
REQUIREMENTS	most advanced	ell biology (as acquired in most first level	bioproduction of macromolecules using the
COURSE AIMS	acquisition of awareness on the biotechnological potential inherent in cellular processes and on the use of organisms for the production of biologically relevant molecules.		
TEACHING METHODOLOGY	Learning methods consist of formal Lectures making use of slides. The students are also expected to read assigned papers from the scientific literature.		
ASSESSMENT TYPE	- The level of th - The level of pr	l at ascertaining, in proportion: eoretical knowledge through the present actical abilities through description of me apply theoretical knowledge and practical	ethods and methodologies (25%)
OTHER USEFUL INFORMATION		will be updated after courses organiza nail and arranged accordingly to prof sc	tion. An appointment can be requested at hedule.



FULL SYLLABUS	Concept of Bioproduction - Bioreactors and mass transport - Natural products (secondary metabolites) - Plants genetic engeneering Molecular tools (vectors, markers, genes etc) - Cases of study Model plants -therapeutic recombinant proteins potentials otehr macromolecules for health vaccins - Insect cells Purification of bio-products.
REFERENCE TEXT BOOKS	attendance is strongly recommended because the course has no textbook. PDF will be made available on this website. About 20% of the content is described in Biologia cellulare e biotecnologie

vegetali. G. Pasqua ; PICCIN ed. 2011. ISBN: 978-88-299-2124-9