



UNIVERSITY OF NAPLES FEDERICO II

POLYTECHNIC AND SCIENCE SCHOOL

Dept. of Chemical Sciences

PhD School in Biotechnology

Coordinatori Prof. Giovanni Sannia Prof. Marco Moracci

neaPòlis

Course	Teacher	hours
PROTEIN STRUCTURE VISUALIZATION, ANALYSIS AND MODELLING	DR. EUGENIO NOTOMISTA	9
FIRST STEPS IN WRITING AND PUBLISHING A SCIENTIFIC MANUSCRIPT	PROF. VIOLA CALABRÒ/DR. DARIA MARIA MONTI (CO-PRESENZA)	6
CARBOHYDRATE ACTIVE ENZYMES FOR BIOREFINERIES	PROF. MARCO MORACCI	4
INTRODUCTION TO DATA ANALYSIS	PROF. RAFFAELE VELOTTA	8
IMMUNOLOGY AS A TOOL IN BIOTECHNOLOGY	DR. ANDREA FULGIONE	6
ENZYMES AS ADDITIVES OR PROCESSING AIDS	DR. CONCETTA VALERIA L. GIOSAFATTO	6
EXTREMOPHILES: UNTAPPED SOURCE OF BIOLOGICAL AND METABOLIC DIVERSITY	DR. DONATO GIOVANNELLI	2
MICROSCOPIC METHODOLOGIES FOR LIFE AND MATERIALS SCIENCES	DR. ANGELA ARCIELLO, DR. ROCCO DI GIROLAMO DR. FABIO BORBONE	6
PLANTS IN THE SURROUNDING ENVIRONMENTS" "BIOSTIMULANTS AND BENEFICIAL ORGANISMS FOR CROP PROTECTION"	DR. MARIANGELA COPPOLA	6
EXTREMOPHILES AND EXTREMOZYMES: PERSPECTIVES FOR INDUSTRIAL BIOTECHNOLOGY	DR. GABRIELLA FIORENTINO DR. ANDREA STRAZZULLI DR. SALVATORE FUSCO DR. DANILA LIMAURO	8
BIOACTIVE MOLECULES FROM NATURAL SOURCES: PURIFICATION AND APPLICATIONS	DR. DARIA MARIA MONTI	10
BIOPLASTICS	DR. CONCETTA VALERIA L. GIOSAFATTO	5
ENZYMATIC AND MICROBIAL APPLICATIONS IN BIOTRANSFORMATIONS AND NANOTECHNOLOGY	DR. RACHELE ISTICATO PROF. MARCO MORACCI DR. BEATRICE COBUCCI PONZANO	8
ANALYSIS IN SILICO FOR ENZYME DISCOVERY THROUGH METAGENOMICS	DR. ANDREA STRAZZULLI	4
BIOSTIMULATION OF PLANT ENDOGENOUS DEFENSES	DR. MARIANGELA COPPOLA	6



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GENOME EDITING	PROF. VIOLA CALABRÒ PROF. G. SACCONI PROF. C. MISSERO PROF. G. FALCO	8
BIOACTIVE MOLECULES FROM NATURAL SOURCES: PURIFICATION AND APPLICATION	PROF. A. EVIDENTE PROF. V. CALABRO' DR. DARIA MARIA MONTI DR. ALESSIO CIMMINO DR. ANGELA ARCIELLO	10
TECHNO-ECONOMIC ANALYSIS OF BIOTECHNOLOGICAL PROCESS – HOW MUCH DOES IT COST THE NOVELTY? DO WE EARN MONEY FROM BIO?	DR. GIUSEPPE OLIVIERI	12

Courses given to PhD students of the 33rd cycle over the three years