



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI CHIMICA INDUSTRIALE
"TOSO MONTANARI"



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI FARMACIA E BIOTECNOLOGIE



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI CHIMICA "GIACOMO CIAMICIAN"



Società Chimica Italiana
Sezione Emilia Romagna

XXI Giornata della Chimica dell'Emilia Romagna (XXI GdC-ER 2022 - Bologna)

Sostenibile, eco, green: le nuove strade della chimica

19 dicembre 2022
DAMS lab - Bologna

Invited speakers:

Ing. Maurizia Brunetti (Gruppo Hera)

Dr. Fabrizio Roncaglia (Università di Modena e Reggio Emilia)

Prof. Giovanni Maestri (Università di Parma)

Prof. Pier Paolo Giovannini (Università di Ferrara)

Con il contributo di:



Comitato organizzatore

Prof.ssa Mariafrancesca Fochi

Prof. Giovanni Valenti

Prof. Isacco Gualandi

Dr. Michele Protti

Comitato scientifico

Prof. Gianantonio Battistuzzi (Università degli studi di Modena e Reggio Emilia, Presidente della Sezione SCI - Emilia Romagna)

Prof.ssa Paola Ambroggi

Prof.ssa Barbara Bricoli

Prof. Nicola Della Cà (Università degli studi di Parma)

Prof.ssa Mariafrancesca Fochi (Università degli studi di Bologna)

Prof.ssa Silvia Franchini (Università degli studi di Modena e Reggio Emilia)

Prof. Isacco Gualandi (Università degli studi di Bologna)

Prof.ssa Luisa Pasti (Università degli studi di Ferrara)

Prof. Giovanni Valenti (Università degli studi di Bologna)

Prof. Luca Rigamonti (Università degli studi di Modena e Reggio Emilia)

Dr. Michele Protti (Università degli studi di Bologna)

Participants

Name and surname	Affiliation	Contribute
Agnese Bondi	UniFe	P67
Alberto Ughetti	UniMoRe	F08 and P94
Alessandro Buratti	UniFe	P99
Alessandro Fracassa	UniBO	P2
Alessandro Manna	UniBO	P61
Alessandro Messori	UniBO	
Alessandro Monari	UniMoRe	P13
Alessia Marconi	UniBO	P69
Alessia Pollice	UniBO	P1
Andrea Piazzzi	UniBO	P51
Andrea Zaghi	UniMoRe	
Anna Saotta	UniBO	P16
Annalisa Pallini	UniMoRe	P96
Biagio Anderlini	UniMoRe	P87
Bianca Martinengo	UniBO	F07 and P105
Caterina Bellatreccia	UniBO	P62
Caterina D'Anna	UniFe	P84
Cecilia Biondi	Editrice Temi	
Chiara Di Cristina	UniBO	P83
Chiara Giliberti	UniPr	P7
Chiara Maccari	UniPr	P10
Chiara Mariani	UniBO	P4
Chiara Nosengo	UniFe	P34
Chiara Roccatello	UniFe	P32
Chiara Spanu	UniBO	F10 and P23
Claudia Sorbi	SCI ER, Divisione di Chimica Farmaceutica	
Claudio Ignazio Santo	UniBO	P58
Claudio Trapella	Università di Ferrara	
Cristina Terenzi	UniBO	P98
Dalila Cafagno	Unibo - Università degli Studi di Perugia	P47
Daniele Aiello	UniMoRe	P106
Daniele Esposito	UniBO	P17
Daniele Natali	UniBO	P46
Daniele Tanzilli	UniMoRe	P80
Danilo Arcangeli	UniBO	P37
Dario Mordini	UniBO	P52
Davide Allkanjari	UniBO	P19
Debora Carrozza	UniMoRe	P15
Denise Gregucci	UniBO	P72
Desiree Bozza	UniFe	O2
Dominga Evangelista	UniBO	P55
Elena Bombonato	UniBO	P90
Eleonora Rossi	UniBO	P3
Eleonora Testi	UniBO	P88
Elia Frignani	UniMoRe	P50
Eloisa Tosi	UniPr	F05 and P81
Erika Ribezzi	UniPr	P14
Ernesto Salvioli	EDITRICE TEMI	
Fabia Cenciarelli	UniBO	P20

Fabrizio Roncaglia	UniMoRe	KN2
Federico Droghetti	UniFe	P70
Filippo Baroncelli	UniBO	P86
Filippo Marchetti	UniFe	P71
Francesca Ceccardi	UniBO	P21
Francesca Fraulini	UniMoRe	P75
Francesca Silingardi	UniBO	O1
Francesco Arfelli	UniBO	P5
Francesco Calcagno	UniBO	F04 and P45
Francesco Presini	UniFe	F06 and P74
Gianantonio Battistuzzi	UniMoRe	
Giorgia Giusti	UniBO	P28
Giovanni Maestri	UniPr	KN3
Giovanni Valenti	UniBO	
Giulia Giugliano	UniBO	P53
Giulia Scurani	UniMoRe	P95
Giulia Turrin	UniFe	
Giuseppe Proietto Salanitri	UniBO	P27
Ilario Baù	UniBO	F01 and P18
Irene Gugel	UniFe	P108
Isacco Gualandi	UniBO	
Jaime Millán-Santiago	UniBO	P104
Lorenzo Marchi	UniMoRe	P43
Lorenzo Poletti	UniFe	P25
Lorenzo Preti	Unife	P73
Lorenzo Ripani	UniBO	P66
Lorenzo Tagliazucchi	UniMoRe	F03 and P101
Lorenzo Toma	UniPr	O4
Luca Rigamonti	UniMoRe	
Luca Visentin	UniBO	P26
Lucia Visieri	UniPr	P79
Manuele Di Sante	UniBO	P65
Marco Bertani	UniMoRe	O3
Marco Bottin	UniFe	P100
Maria Vittoria Balli	UniBO	P49
Mariafrancesca Fochi	UniBO	
Marianna Rossi	UniMoRe	P97
Marianna Vescovi	UniPr	F09 and P6
Marinella Difonzo	UniBO	P59
Marta Nugnes	UniBO	
Martina Milani	UniFe	P36
Martina Rossi	UniBO	
Matteo Boniburini	UniMoRe	P12
Matteo Calosi	UniFe	P63
Matteo Mari	UniMoRe	P60
Matteo Masetti	UniBO	
Matteo Spedicato	UniFe	P30
Mattia Capacci	UniBO	
Maurizia Brunetti	HERA	KN1
Michele Mazzanti	UniFe	F02 and P68
Michele Morana	UniBO	P24
Michele Protti	UniBO	

Niccolò Bini	UniBO	
Nicola Della Ca'	UniPr	
Nicolò Interino	UniBO	P92
Nunzio Matera	UniBO - Alchemy Srl	P54
Paola Natali	UniBO	P93
Patricia Viera de Oliveira	UniFe	P91
Pier Paolo Giovannini	UniFe	KN4
Pietro Pecchini	UniBO	P38
Nicola Porcelli	UniMoRe	P109
Rachele Ingrisano	UniBO	P82
Rebecca Orioli	UniBO	P85
Ribhu Bhatia	UniFe	P89
Riccardo Baldelli	UniBO	
Riccardo Solazzo	UniBO	P44
Rita Morigi	UniBO	
Roberto Marchesi	Labozeta s.p.a.	
Roberto Saporetti	UniBO	P78
Rosalba Vitagliano	UniBO	P103
Rossella Pucci	UniBO	P48
Samuele Pellacani	UniMoRe	P31
Sara Gandolfi	UniPr	P40
Sarah Palano	UniBO	P102
Serena Bertoni	UniBO	
Silvia Franchini	UniMoRe	
Silvia Grandi	UniFe	P56
Silvia Leveraro	UniFe	P9
Silvia Ravagli	UniFe	57
Simona Aprile	UniFe	P22
Sofia Chinelli	UniBO	P42
Stefano Bosio	UniBO	P77
Stefano Gianvittorio	UniBO	P11
Stefano Liotino	UniBO	P64
Stefano Sangiorgi	UniBO	
Stefano Scurti	UniBO	
Valentina Sallustio	UniBO	P33
Veronica D'Eusanio	UniMoRe	P41
Walter Pula	UniFe	P39

INDEX

KN1 - CIRCULARITY AND INNOVATION IN THE WATER CYCLE: THE HERA CASE STUDY	1
KN2 - GLYCEROL UPGRADING TO ENHANCE THE SUSTAINABILITY OF THE BIODIESEL INDUSTRY	2
KN3 – CHIMICA VERDE E SOSTENIBILITÀ: DA CURIOSITÀ SCIENTIFICHE A GRANDI OPPORTUNITÀ DI SVILUPPO	3
KN4 - STRATEGIE BIOCATALITICHE PER SINTESI VERDE DI COMPOSTI BIOATTIVI	4
O1 - BIOMIMETIC BRUSHITE MULTI-FUNCTIONALIZATION: A NEW TOOL FOR BONE TISSUE REPAIR AND REPLACEMENT	5
O2 - GREENER ALTERNATIVE SOLVENTS TO ACETONITRILE FOR THE PURIFICATION OF PHARMACEUTICALLY RELEVANT PEPTIDES	6
O3 - MACHINE LEARNING POTENTIAL FOR MOLECULAR DYNAMICS SIMULATION OF OXIDE GLASSES	7
O4 - A NOVEL AMBIENT MASS SPECTROMETRY-BASED METHOD FOR HIGH-THROUGHPUT AND GREEN ANALYSIS OF FOOD ALLERGENS	8
F01 AND P18 - INVESTIGATION ON THE AEROBIC OXIDATION OF ALCOHOLS PROMOTED BY A SYNTHETIC RADICAL CROWN-ETHER MACROCYCLE AND ITS INTERLOCKED DERIVATIVE	9
F02 AND P68 - CHARGE TRANSFER DYNAMICS IN NANOSTRUCTURED WO₃ AND WO₃/BiVO₄ PHOTOANODES	10
F03 AND P101 - LC-MS/MS HELPS CHARACTERIZING THP-1 CELLS PROTEOME AFTER INFECTION WITH DRUG RESISTANT LEISHMANIA STRAINS	11
F04 AND P45 - UNRAVELLING THE MECHANISM OF THE GUERBET REACTION USING A RUTHENIUM CATALYST: A SYNERGISTIC COMPUTATIONAL AND EXPERIMENTAL STUDY	12
F05 AND P81 - CALIX[4]ARENERECEPTORS FOR BACTERIAL METABOLITES DETECTION	13
F06 AND P74 - WHOLE CELLS CATALYSTS FOR THE SYNTHESIS OF ENANTIOPURE VIC-DIOLS	14

F07 AND P105 - TOWARDS A SUSTAINABLE PRODUCTION OF CASHEW NUT-SHELL LIQUID DERIVATIVES WITH LEISHMANICIDAL POTENTIAL	15
F08 AND P94 - GREEN ALGAE HYDROGEN PRODUCTION.....	16
F09 AND P06 - AGROCHEMICAL AND ZOOTECHNICAL APPLICATIONS OF LIGNIN-BASED MATERIALS.....	17
F10 AND P23 - SYNTHESIS AND FUNCTIONALIZATION OF CASEIN NANOPARTICLES WITH APTAMERS FOR TRIPLE-NEGATIVE BREAST CANCER TARGETING.....	18
P01 - NOVEL BIP1 - DRIVING UP THE CARBON DIOXIDE CONVERSION PERFORMANCES THROUGH COMBINATION BETWEEN NANOCATALYST AND GAS DIFFUSION LAYER	19
P02 - WATER-SOLUBLE IR(III) COMPLEXES FOR ELECTROCHEMILUMINESCENCE SIGNAL ENHANCEMENT IN BEADS-BASED IMMUNOASSAY	20
P03 - LIFE CYCLE ASSESSMENT (LCA) OF A BIO-FUEL CELL FED WITH WASTE BIOMASS: POTENTIAL FOR SCALE-UP AND PROCESS OPTIMIZATION.....	21
P04 - THERMOCHEMILUMINESCENCE - AN INSIGHT INTO THE THERMALLY INDUCED DECOMPOSITION OF NEW 1,2-DIOXETANE TCL LABELS	22
P05 - LCA APPLIED TO AN INNOVATIVE PROCESS TO PRODUCE SOIL CONDITIONER	23
P07 - ELECTROCHEMICAL MAGNETIC GENOASSAY FOR DETECTION OF KRAS MUTATION ASSOCIATED WITH COLORECTAL CANCER IN LIQUID BIOPSY	24
P09 - SYMPATHY FOR THE SERINE: THE EFFECT OF ALA-TO-SERINE SUBSTITUTION ON THE METAL BINDING AFFINITY OF CALCITERMIN PEPTIDE	25
P10 - POLLUTION AND EXPOSOME: SEARCH FOR BIOMARKERS OF EFFECT	26
P11 - ALKALINE PHOSPHATASE BASED BIOSENSOR FOR THE DETECTION OF PESTICIDES	27
P12 - DEVELOPMENT OF NEW MN(II) COMPLEXES AS POTENTIAL BIMODAL IMAGING AGENTS	28
P13 - NOVEL ELECTRO-ANALYTICAL APPROACH FOR THE DETECTION AND DISCRIMINATION OF CANNABINOIDS IN REAL SAMPLES EXTRACTS	29
P14 - USE OF A MIXTURE DESIGN TO PROMOTE THE FUNGAL DEGRADATION OF COSMETIC FORMULATIONS.....	30

P15 - LARGE PORES MESOPOROUS SILICA (LPMS) AS NEW INTERESTING SUPPORT FOR DRUG DELIVERY OF BIG MOLECULES.....	31
P16 - STUDY OF TI/ZR/O MIXED OXIDES FOR THE CATALYTIC VOLORIZATION OF FURFURAL TO GVL IN A LIQUID-PHASE CONTINUOUS REACTOR.....	32
P17 - DESIGN AND SYNTHESIS OF HETEROCYCLIC SMALL MOLECULES AS ANTIPROLIFERATIVE AGENTS AGAINST INNOVATIVE TARGETS.....	33
P19 - SUSTAINABLE SYNTHESIS OF DYMETHYL ADIPATE FROM CYCLOPENTANONE AND DIMETHYL CARBONATE	34
P20 - SUPRAMOLECULAR GEL FOR THE PHOTOINDUCED RELEASE OF FRAGRANCES.....	35
P21 - DEVELOPMENT OF TATTOO-BASED WEARABLE ELECTROCHEMICAL DEVICES FOR HEALTH STATUS MONITORING	36
P22 - ENZYMATIC SYNTHESIS OF ASCORBIC ACID-KETONE BODIES HYBRIDS	37
P24 - SMART MICRO GAS CHROMATOGRAPH FOR ONLINE DETECTION AND ANALYSIS OF MALODOROUS SUBSTANCES.....	38
P25 - PHOTO-CATALYZED GENERATION OF GLYCOSYL RADICALS FOR SELECTIVE ADDITION TO ELECTRON POOR DOUBLE BONDS: AN ACCES TO C-GLYCOSYL AMINO ACIDS FOR GLYCOPEPTIDES SYNTHESIS.....	39
P26 - CATALYTIC TRANSFER HYDROGENATION OF LEVULINATE ESTERS WITH ALCOHOLS OVER ZRO₂ UNDER CONTINUOUS GAS-FLOW CONDITIONS.....	40
P27 - DEVELOPMENT OF HYBRID CRYOGELS-BASED NANOCATALYSTS FOR WATER TREATMENT.....	41
P28 - PACKAGING MADE OF HYDROPHOBIC CELLULOSE.....	42
P30 - SYNTHESIS AND OPTIMIZATION OF BILE ACID AND DIHYDROARTEMISININ DERIVATIVES BY CLICK CHEMISTRY REACTION FOR EFFICACY STUDIES AGAINST SARS-COV-2	43
P31 - DEVELOPMENT AND OPTIMIZATION OF AN ANALYTICAL METHOD BASED ON SPME-ARROW AND CHEMOMETRIC TECHNIQUES FOR THE CHARACTERIZATION OF THE AROMA PROFILE OF BAKERY PRODUCTS.....	44
P32 - GREEN APPROACHES TO DESIGN AND SYNTHESIS OF POTENTIAL MULTIMERIC FAP SPECIFIC CHELATORS FOR THERANOSTIC APPLICATIONS.....	45

P33 - SUSTAINABLE ENCAPSULATION STRATEGY OF ROSEHIPS EXTRACT FOR GREEN COSMETICS	46
P34 - ENRICHMENT OF A CRITICAL IMPURITY IN A THERAPEUTIC PEPTIDE BY MEANS OF MULTICOLUMN COUNTERCURRENT CONTINUOUS CHROMATOGRAPHY TECHNIQUE	47
P36 - IDROTHERMAL CADMIUM SULFIDE AS A STABLE, EFFICIENT VISIBLE LIGHT PHOTOCATALYST: RELATION BETWEEN MATERIAL PROPERTIES AND PHOTOCATALYTIC ACTIVITY	48
P37 - NOVEL TEXTILE ORGANIC ELECTROCHEMICAL TRANSISTOR FOR REAL-TIME URIC ACID MONITORING.....	49
P38 - APPLICATION OF SULFOXONIUM YLIDES IN ASYMMETRIC AMINOCATALYSIS FOR THE STEREOSELECTIVE SYNTHESIS OF CHROMAN DERIVATIVES	50
P39 - DIMETHYL FUMARATE-LOADED NANOVESICULAR GELS: A FORMULATIVE STUDY AND PRELIMINARY EX VIVO AND IN VIVO EVALUATION	51
P40 - FROM THE SEA TO COSMETICS: NOVEL EXTRACTION ROUTES OF COLLAGEN AND HYDROXYAPATITE FROM SALMON FISHBONES.....	52
P41 - VALORIZATION OF AGRI-FOOD WASTES AS SUSTAINABLE MATERIALS FOR BUILDING CONSTRUCTION	53
P42 - FORMULATION AND RHEOLOGICAL CHARACTERIZATION OF NATURAL FOUNDATIONS.....	54
P43 - ORGANOMETALLIC COMPLEXES BEARING SALBEN AND SALMEN LIGANDS AND THEIR APPLICATIONS IN CATALYSIS	55
P44 - HOW DOES A LIGAND EXIT FROM A BURIED RECEPTOR CAVITY? ATOMISTIC SIMULATIONS OF UNBINDING PATHWAYS WITH RIGOROUS KINETICS.....	56
P46 - THERMOPLASTIC COMPOSITES REINFORCED WITH RECYCLED CARBON FIBERS FOR 3D PRINTING	57
P47 - BEYOND THE MOLECULES: MOLECULAR MACHINES AS GEARS OF THE FUTURE.....	58
P48 - NIOSOMES AND LIPOSOMES FOR AZITHROMYCIN SKIN DELIVERY: DEVELOPMENT, CHARACTERIZATION AND <i>IN VITRO</i> RETENTION STUDIES.....	59
P49 - DEVELOPMENT OF INNOVATIVE ELECTROCHEMILUMINESCENCE-BASED SENSORS FOR THE ANALYSIS OF SAMPLES OF CLINICAL INTEREST	60

P50 - DEVELOPMENT OF INNOVATIVE PROCEDURES OF EXTRACTION AND CHARACTERISATION OF ACTIVE INGREDIENTS FROM BOTANICALS GROWN BY ALTERNATIVE METHODS.....	61
P51 - THEORETICAL AND EXPERIMENTAL STUDY ON THE ROLE OF BENZOQUINONE IN THE HOMOGENEOUS CATALYZED GUERBET REACTION....	62
P52 - MORPHOLOGICAL TUNING OF SILICA BIOMORPHS USING BOVINE SERUM ALBUMIN	63
P53 - SYNTHESIS AND CHARACTERIZATION OF FULLERENE@PROTEIN ADDUCTS: A COMPUTATIONAL AND EXPERIMENTAL STUDY	64
P54 - FROM MASTER THESIS TO PHD.....	65
P55 - GREEN SYNTHESIS OF BIOLOGICALLY ACTIVE COMPOUNDS WITH THE SUPPORT OF MACHINE LEARNING (ML).....	66
P56 - SELECTIVE SUN-DRIVEN OXIDATION OF CELLULOSIC BIOMASS DERIVATIVES FOR THE SYNTHESIS OF ADDED VALUE CHEMICALS.....	67
P57 - SYNTHESIS AND ANTITUMORAL EVALUATION OF MOLECULES WITH TRIAZOLOPYRIMIDINE STRUCTURE	68
P58 - BORON-DOPED DIAMOND AS A POWERFUL ELECTRODE MATERIAL TO IMPROVE ELECTROCHEMILUMINESCENCE IN MICROBEADS IMMUNOASSAY BIOSENSORS	69
P59 - DYE-DOPED SILICA NANOPARTICLES: ENHANCED LUMINOPHORES FOR ECL-BASED BIOSENSORS.....	70
P60 - COUMARIN DERIVATIVES FOR MCT1 TARGETING: ROAD TO A RADIO-THERANOSTIC APPROACH IN ONCHOLOGY	71
P61 - SELECTIVE OXIDATION OF SUBSTRATES WITH HETEROGENEOUS CATALYSIS: AN ALTERNATIVE ROUTE TO KEY FRAGRANCES' INGREDIENTS	72
P62 - CURRENT COLLECTORS FOR ANODE-FREE SOLID-STATE BATTERIES	73
P63 - CHEMICAL RECYCLING OF SEMI-INTERPENETRATED POLYMER NETWORK FOAM BASED ON POLY(VINYL CHLORIDE).....	74
P64 - SYNTHESIS OF FUNCTIONALIZED ACRYLIC-BASED MONOMERS FOR NON-LINEAR OPTICS (NLO) APPLICATIONS.....	75

P65 - SYNTHESIS OF A CHLORIN E6 FULLERENE DYAD FOR PHOTODYNAMIC THERAPY	76
P66 - EXCIMER FORMATION IN THE ELECTROGENERATED CHEMILUMINESCENCE OF POLYCYCLIC HETEROAROMATIC 2-AZAPYRENE	77
P67 - ETHOSOMES AND TRANSETHOSOMES: A GREEN IDEA FOR TRANSDERMAL DRUG DELIVERY.....	78
P69 - CARRYING TEMOPORFIN WITH PROTEINS	79
P70 - OPTIMIZATION OF THE PLATINUM DEPOSITION PROCESS ON SENSITIZED NIO	80
P71 - BIOTECHNOLOGICAL APPROACH TO THE SYNTHESIS OF STEROIDS: UPSCALING AND GREEN EXTRACTION METHOD	81
P72 - METAL-ORGANIC FRAMEWORK (MOF) – BASED BIOLUMINESCENT BIOCOMPOSITE FOR NANOSENSING APPLICATIONS	82
P73 - SYNTHESIS OF NEW BILE ACIDS-OLIGONUCLEOTIDES CONJUGATES, FOR STUDYING THE INFLUENCE OF DIVERSE LINKERS ON THE EXON SKIPPING EFFICIENCY	83
P75 - BIOACTIVE GLASSES: BEYOND BONE REGENERATION.....	84
P77 - STRUCTURAL INSIGHTS INTO RIBOFLAVIN BINDING TO PROTEIN AND RNA TARGETS	85
P78 - ORTHOGONALLY-MODIFIED M13 PHAGE: A STABLE AND EFFECTIVE SYSTEM FOR THERAPY AND DIAGNOSIS	86
P79 - FLUORESCENT PROBES FOR MECHANISTIC INSIGHTS IN MYOCARDIAL CONTRACTION	87
P80 - MONITORING OF PESTO SAUCE PRODUCTION THROUGH MULTIBLOCK APPROACHES	88
P82 - MICROALGAE: FROM PHOTOSYNTHETIC SCAVENGERS TO GREEN BIOFACTORIES.....	89
P83 - SILK FIBROIN FILM LOADED WITH FRUIT PEELS EXTRACTS AS A SUSTAINABLE APPROACH FOR WOUND HEALING	90
P84 - NANOSTRUCTURATED CARBON MATERIALS FOR THE REMOVAL OF PFAS FROM WATER MATRICES FOR ENVIRONMENTAL APPLICATIONS.....	91

P85 - DESIGN AND SYNTHESIS OF AMMINOTIAZOLE DERIVATIVES AS DUAL LIGANDS TO GSK-3B AND FYN IN THE STUDY OF NEURODEGENERATIVE DISEASES	92
P86 - MONITORING OF PERFLUORINATED POLLUTANTS BY MOLECULAR ROTATIONAL RESONANCE SPECTROSCOPY	93
P87 - LIGNIN DEPOLYMERIZATION-UPGRADING TO BIOMATERIALS.....	94
P88 - PROTACS: A NEW APPROACH FOR LEISHMANIASIS	95
P89 - STABILITY ISSUES OF PEROVSKITES IN SPACE: IS HALOGEN BONDING HELPFUL?	96
P90 - ELECTROCHEMICAL INVESTIGATION OF MINISCI REACTION.....	97
P91 - NARINGIN MICROPARTICLES VIA SUPERCRITICAL ANTI-SOLVENT PROCESS	98
P92 - MULTIRESIDUE ANALYSIS OF LEGACY AND EMERGING POLLUTANTS IN MARINE MUSSELS: PROSPECTION OF THE OPTIMAL EXTRACTION METHOD.....	99
P93 - THERMOPLASTIC COMPOSITES REINFORCED WITH RECYCLED CARBON FIBERS FOR 3D PRINTING	100
P95 - FUNCTIONAL AMIDE-BASED INIZIATOR FOR THE ATOM TRANSFER RADICAL POLYMERIZATION OF STYRENE WITH ASCORBIC ACID ACETONIDE AS REDUCING AGENT	101
P96 - DEVELOPMENT OF A NEW SELF-CONSISTENT EMPIRICAL POTENTIAL MODEL FOR MULTICOMPONENT AND BORON-CONTAINING OXIDE GLASSES....	102
P97 - EXPLOITING FORSTER RESONANCE ENERGY TRANSFER (FRET) IN THE CHARACTERIZATION OF YAP: TEAD COMPLEX DISRUPTION	103
P98 - VALORIZATION OF BY-PRODUCTS FROM AGRO-FOODS FOR PHARMACEUTICAL, COSMETIC, NUTRACEUTICAL APPLICATIONS.....	104
P99 - REPLACING NORMAL PHASE LIQUID CHROMATOGRAPHY WITH SUPERCRITICAL FLUID CHROMATOGRAPHY FOR THE SEPARATION OF PHYTO CANNABINOIDS	105
P100 - DEVELOPMENT OF KERATIN-BASED NOVEL MATERIALS FOR APPLICATIONS IN BIOMEDICAL AND INDUSTRIAL FIELDS.....	106

P102 - MICROSAMPLING AND SUSTAINABILITY: PHARMACO-TOXICOLOGICAL ANALYSIS OF COCAINE IN ADVANCED DRIED BLOOD SPOTS.....	107
P103 - SELECTIVE EXTRACTION OF CNS DRUGS FROM PLASMA FOR THERAPEUTIC DRUG MONITORING IN POLYPHARMACY REGIMENS	108
P104 - BLOOD COLLECTION AND ANALYSIS: TOWARDS GREENER ANALYSIS OF OPIOIDS IN MINIATURISED SAMPLES BY UHPLC-MS	109
P106 - LEAD-OPTIMIZATION PROCESS AND CHARACTERIZATION OF THE DISSOCIATIVE EFFECT APPLIED TO NEW DIMER DISRUPTERS OF HUMAN THYMYDILATE SYNTHASE	110
P108 - FERMENTATION AS A SUSTAINABLE APPROACH FOR THE UPCYCLING OF OLIVE AGRI-FOOD CHAIN	111
P109 - INNOVATIVE METHODOLOGIES FOR THE SYNTHESIS OF BIOBASED MONOMERS AND POLYMERS.....	112