



XI MEDITERRANEAN ORGANIC CHEMISTRY MEETING
ELCHE (ALICANTE) 16TH - 18TH OCTOBER 2024

PROGRAMME

WEDNESDAY OCTOBER 16th

VALONA BUILDING

13:00-16:00 h	Registration
16:00-16:15 h	Opening Ceremony
	Session 1a: Chair: Prof. Ángela Sastre
16:15-17:00 h	PL-1. Prof. Avelino Corma: "MOLECULAR CONFINEMENT AND CHEMICAL REACTIVITY"
17:00-17:30 h	IL-1. Prof. Emilio Palomares: "THE CONTACT MAKES THE DEVICE: MOLECULES THAT RULE THE SOLAR CELLS EFFICIENCY"
17:30-18:00 h	IL-2. Prof. Luis Martín: "SILICON PHTHALOCYANINES AS ORGANIC LINKERS FOR SURFACE-SUPPORTED METAL-ORGANIC FRAMEWORK MATERIALS"
	Session 1b: Chair: Prof. Consuelo Jiménez
18:15-18:30 h	OP-1. Javier Ortiz: "SYNTHESIS AND CHARACTERIZATION OF PHTHALOCYANINES AS HOLE TRANSPORTING MATERIALS IN PEROVSKITE SOLAR CELLS"
18:30-18:45 h	OP-2. Ana Sirvent: "CYCLOPROPANOLS AS HYDROXYALLYLATION AGENTS FOR THE DIASTEREOSELECTIVE ADDITION TO N-TERT-BUTANESULFINYL IMINES"
18:45-19:00 h	OP-3. Elias A. Romero-Cavagnaro: "SELECTIVE Rh-CATALYZED CYCLO-ISOMERIZATION/DIELS-ALDER CASCADE REACTIONS INVOLVING 1,6-ALLENYNES"
19:00-19:45 h	PL-2. Prof. Eva Hevia: "TAILORING SODIUM ORGANOMETALLIC REAGENTS FOR ARENE FUNCTIONALISATION AND CATALYSIS"
20:00 h	WELCOME COCKTAIL (VALONA BUILDING)

THURSDAY OCTOBER 17th
VALONA BUILDING

	Session 2a: Chair: Prof. José M. Sansano
9:00-9:45 h	PL-3. Prof. Géraldine Masson: “ <i>COMBINED ASYMMETRIC AND PHOTOREDOX CATALYSIS FOR THE EFFICIENT SYNTHESIS OF CHIRAL AMINES</i> ”
9:45-10:15 h	IL-3. Prof. Consuelo Jiménez: “ <i>PHOTOACTIVE ASSEMBLIES OF ORGANIC COMPOUNDS AND BIOMOLECULES: DRUG-PROTEIN SYSTEMS</i> ”
10:15-10:45 h	IL-4. Prof. Montserrat Diéguez: “ <i>SYNERGISTIC APPROACHES TO CATALYST DESIGN FOR ASYMMETRIC HYDROGENATION. FROM BENCHMARK TO ELUSIVE SUBSTRATES</i> ”
10:45-11:00 h	OP-4. María González-Marcos: “ <i>DIASTEREOSELECTIVE SYNTHESIS OF SPIROOXINDOLO PYRROLIZIDINES AND PROLINES VIA 1,3-DIPOLAR CYCLOADDITION USING CHIRAL ACRYLATES: A MULTICOMPONENT REACTION</i> ”
11:00-11:30 h	COFFEE BREAK AND POSTER SESSION
	Session 2b: Chair: Prof. Montserrat Diéguez
11:30-12:00 h	IL-5. Prof. Antonio Vargas: “ <i>NANOSIZED CARBOHYDRATE COATED METAL ORGANIC FRAMEWORKS (MOF) AS DRUG CARRIERS</i> ”
12:00-12:30 h	IL-6. Prof. Nishant Singh: “ <i>HIERARCHICAL SELF-ASSEMBLIES FROM PHASE SEPARATED DROPLETS</i> ”
12:30-12:45 h	OP-5. Ana M^a. Gutiérrez-Vilchez: “ <i>MIMICKING EARLY PHOTOSYNTHETIC EVENTS: ELECTRON AND CHARGE TRANSFER IN PERYLENE-DIIMIDE-BASED CONJUGATES</i> ”
12:45-13:00 h	OP-6. María Biosca: “ <i>TAILOR-MADE LIGANDS FOR THE PALLADIUM CATALYZED ASYMMETRIC ALLYLIC SUBSTITUTION</i> ”
13:00-13:15 h	OP-7. Manuel A. Ortuño: “ <i>COMPUTATIONAL MECHANISM OF FORMAL (4+2) CYCLOADDITION BETWEEN AMIDES AND DIENES VIA C-H BOND ACTIVATION</i> ”
13:15-13:30 h	OP-8. José L. Esquivel: “ <i>STUDY OF NOVEL ANION-INDUCED SUPRAMOLECULAR POLYMERS BASED ON TRIAZOLIUM AND SQUARAMIDE RECEPTORS</i> ”
13:30-15:00 h	XI REQOMED PHOTO AND LUNCH (VALONA BUILDING)
	Session 3a: Chair: Prof. Luis Martín
15:00-15:30 h	IL-7. Prof. Francisco A. Macías: “ <i>CAN NATURAL PRODUCTS LEAD THE NEXT AGRICULTURAL REVOLUTION?</i> ”
15:30-16:00 h	IL-8. Prof. Anna Pla: “ <i>EXPLORING THE USE OF Rh-CATALYZED CYCLIZATION REACTIONS FOR THE FUNCTIONALIZATION OF FULLERENES</i> ”
16:00-16:15 h	OP-9. Raúl Pérez-Ruiz: “ <i>FORMATION OF C(sp²)-B(s) BONDS MEDIATED BY VISIBLE LIGHT</i> ”
16:15-16:30 h	OP-10. Llorenç Rubert: “ <i>TWO-DIMENSIONAL SUPRAMOLECULAR POLYMORPHISM IN CYANINE H- AND J-AGGREGATES</i> ”
16:30-17:00 h	COFFEE BREAK AND POSTER SESSION

	Session 3b: Chair: Prof. Ezequiel Pérez
17:00-17:30 h	IL-9. Prof. Albert Granados: "ACCESSING NEW CHEMICAL SPACE IN ORGANOFLUORINE CHEMISTRY SETTINGS VIA PHOTOINDUCED SINGLE ELECTRON TRANSFER"
17:30-18:00 h	IL-10. Prof. Luis Álvarez de Cienfuegos: "SHORT PEPTIDE SUPRAMOLECULAR HYDROGELS AS A MEDIA TO OBTAIN COMPOSITE MATERIALS"
18:00-18:15 h	OP-11. Yolanda Vida: "DENDRIMERIC-ANTIGENS - SILICA PARTICLE BASED NANOCOMPOSITES FOR SPECIFIC IG _s RECOGNITION"
18:15-18:30 h	OP-12. María Medel: "ENGINEERING POLYPEPTIDE-BASED NANOCONJUGATES FOR ENHANCED THERANOSTIC THERAPIES"
18:30-18:45 h	OP-13. David Curiel: "ROBUST MICROPOROUS HYDROGEN-BONDED ORGANIC FRAMEWORK FOR SELECTIVE CO ₂ SORPTION"
18:45-19:00 h	OP-14. Aicha Anouar: "NANOSIZED COPPER STABILIZED ON TERNARY P, N, S-DOPED GRAPHENE FROM CHITOSAN SHELLFISH WASTE: PREPARATION AND CATALYSIS OF SINGLE AND DOUBLE A ₃ -TYPE AMINE COUPLING"
19:00-19:45 h	PL-4. Prof. Nazario Martín: "MOLECULAR NANOGRAFHENES: THE SEARCH FOR ENANTIOSELECTIVITY"
19:45-20:00 h	TRIBUTE TO PROF. MIGUEL ÁNGEL ALARIO Nazario Martín (Chair: Ángela Sastre)

21:00 h	CONFERENCE DINNER (RESTAURANTE LA TAULA DEL MILENIO) POSTER AWARDS
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FRIDAY OCTOBER 18th

ELS ARENALS BUILDING

	Session 4a: Chair: Prof. Francisco Foubelo
9:00-9:45 h	PL-5. Prof. Maurizio Prato: "WATER OXIDATION BY ORGANIC-INORGANIC SUPRAMOLECULAR 'QUANTASOMES'"
9:45-10:15 h	IL-11. Prof. Ezequiel Pérez: "THE USE OF DENDRIMERS AND FLUORESCENT LABELS FOR BIOMEDICAL APPLICATIONS"
10:15-10:45 h	IL-12. Prof. Patricia Remón: "DITHIENYLETHENE PHOTOSWITCHES APPLIED TO LIGHT-CONTROLLED SUPRAMOLECULAR CHEMISTRY"
10:45-11:00 h	OP-15. Carmen Rotger: "FLUORESCENT DERIVATIVES OF POLYAMINO SQUARAMIDE POLYMERS (PASQUA): UNVEILING CELL INTERNALIZATION AND MOLECULAR TRANSPORT MECHANISM"

	Session 4b: Chair: Prof. Antonio Vargas
11:00-11:30 h	IL-13. Prof. M^a. de Gracia Retamosa: <i>"ASYMMETRIC [3+2] AND [4+2] CYCLOADDITION REACTIONS AS USEFUL TOOL TO OBTAIN HETERO AND SPIROCYCLIC ADDUCTS"</i>
11:30-11:45 h	OP-16. Laura Cerezo: <i>"PROBIOTIC-BASED LIVING MATERIAL AS AN ALTERNATIVE TO TREATING CARBAPENEM RESISTANT BACTERIAL INFECTIONS"</i>
11:45-12:30 h	COFFEE BREAK
12:30-13:00 h	IL-14. Prof. M. Nieves Piña: <i>"FROM SUPRAMOLECULAR CHEMISTRY TO THE DESIGN OF NEW FUNCTIONAL NANOMATERIALS FOR A CLEANER WORLD"</i>
13:00-13:15 h	OP-17. Albert Artigas: <i>"CATALYTIC SYNTHESIS OF CONTORTED CHIRAL PICENE TRIMERS"</i>
13:15-13:30 h	OP-18. Miriam Mas-Montoya: <i>"THE ROLE OF HYDROGEN BONDING IN 7-AZAINDOLE-BASED ORGANIC SEMICONDUCTORS EVALUATED IN OPTOELECTRONIC DEVICES"</i>
13:30-15:00 h	LUNCH (ELS ARENALS BUILDING)
	Session 5a: Chair: Prof. M^a. de Gracia Retamosa
15:00-15:30 h	IL-15. Prof. Carmen Ramírez de Arellano: <i>"CATALYTIC POCKET PARAMETRIZATION IN SCORPIONATE DERIVATIVES FOR THE DESIGN OF ACTIVE METAL CENTRES"</i>
15:30-16:00 h	IL-16. Prof. Alberto Martínez-Cuezva: <i>"THE MECHANICAL BOND AS A POWERFUL TOOL FOR CONTROLLING REACTIONS IN [2]ROTAXANES"</i>
16:00-16:15 h	OP-19. Jan Deska: <i>"EXPLOITING NON-NATURAL BIOCATALYSIS METHDOLOGIES AS TOOLS IN ORGANIC SYNTHESIS"</i>
16:15-16:30 h	OP-20. María A. Lirola-Manzano: <i>"ANAESTHETIC AND ANTICANCER DRUGS COMPLEXATION BY CYCLODEXTRINS APPENDED WITH PHOSPHONIC ACID GROUPS ON THEIR PRIMARY FACES"</i>
16:30-16:45 h	OP-21. Aitor Maestro: <i>"GENERAL AND VERSATILE SYNTHESIS OF HIGHLY RECYCLABLE CHIRAL PHOSPHORIC ACID ORGANOCATALYSTS"</i>
16:45:17:00 h	OP-22. Mario Inclán: <i>"SYNTHETIC ALLOSTERIC SYSTEMS AS NOVEL BIOMEDICAL TOOLS"</i>
17:00-17:30 h	COFFEE BREAK
	Session 5b: Chair: Prof. Fernando Fernández-Lázaro
17:30-18:15 h	PL-6. Prof. Luis Echegoyen: <i>"FULLERENE CAGES TO STABILIZE UNUSUAL ACTINIDE CLUSTERS INSIDE AND FOR ENHANCED SOLAR CELL EFFICIENCIES AND ELECTROCATALYTIC APPLICATIONS"</i>
18:15-18:30 h	Closing ceremony