

DOCTORAL PROGRAM IN CHEMISTRY, UAB
OUTSTANDING THESES AWARD FOR THESES 2021-2022. LIST OF CANDIDATES

Cognoms, Nom	Data Lectura	Titol de la tesi	Nom Director 1	Nom Director 2	Nom Director 3
Álvarez Prada, Luis Ignacio	01/10/21	Ruthenium and Platinum Nanoparticles for Artificial Photosynthesis	Escriche Martinez, Luis	Romero Fernandez, Nuria	Garcia Anton Aviño, Jordi
Boix i Soler, Gerard	25/01/22	Multifunctional Composites Made of Metal-Organic Frameworks and Inorganic Nanopartides	Maspoch Comamala, Daniel	Imaz Gabilondo, Inhar	
Bonet San Emeterio, Marta	21/04/22	Progresses in new carbon platforms: graphene and carbon dots. Application to electrochemical sensors and (bio)electronic tongues	del Valle Zafra, Manuel		
Cruz Saez, Alejandro	15/07/22	Simulaciones biomoleculares de algunas enzimas relevantes en procesos inflamatorios: 15-LOX, 5-LOX y COX-2. Aplicación al estudio de mecanismos y al diseño de inhibidores.	Lluch Lopez, Jose Maria	Gonzalez Lafont, Maria dels Angels	
Del Pozo Carvajal, Cristina	12/11/21	Obtaining value-added products from agricultural wastes through pyrolysis and torrefaction treatments	Fabregas Martinez, Esteve	Puy Marimon, Neus	
Diez Garcia, Sandra	26/11/21	In vitro natural remineralization of enamel: Characterization by conventional and synchrotron radiation-based techniques.	Valiente Malmagro, Manuel	Sanchez Martin, Maria Jesus	
Enrique Romero, Joan	18/10/21	Surface Chemistry of Molecules of Astrophysical Interest: Theory and Simulations	Rimola Gibert, Albert	Ceccarelli , Maria Cecilia	
Fraile Sainz, Julio Carlos	07/07/22	Utilización de técnicas de adsorción de gases para la caracterización textural de materiales micro y mesoporosos	Domingo Pascual, Maria Concepción	López Periago, Ana María	
Garcia Ortega, Gloria	15/07/22	Metallosurfactants and Drug Delivery Systems for Biomedical Applications	Bayon Rueda, Juan Pablo	Palacios Bonilla, Oscar	
García-Risco Aguado, Mario	07/04/22	Updating the current dichotomic "I" classification of metallothioneins to a new "Y" setting: Differentiation between genuine Zn- and Cd-thioneins	Capdevila Vidal, Maria Merce	Palacios Bonilla, Oscar	
Gascó Catalán, Carolina	22/04/22	Estudio Electroquímico de Derivados de Polibenzoxazina: Entrecruzamiento y Electrochromismo	Sebastian Perez, Rosa Maria	Guirado Lopez, Gonzalo	
Groen , Johannes Petrus Antonius Maria	14/01/22	Studying the fate and action of a designed therapeutic protein-nanomaterial in vivo utilizing a novel correlative cryo-3D-SIM and cryo soft X-ray tomography approach	Pereiro López, Eva	Lopez Cortajarena, Aitziber	
Herrera Chacon, Anna	17/12/21	Design and development of molecularly imprinted polymers for electronic tongues and biosensing	del Valle Zafra, Manuel		
Laiz Treceño, Miriam	16/03/22	Synthesis and Characterization of Fluorinated Polimers	Bayon Rueda, Joan Carles		
Li , Zhen	23/09/22	Rational Design and Synthesis of Water Stable Metal-organic Frameworks Using meta-carborane based Bidentate Ligands and Their Singularity-driven Applications	Giner Planas, José		

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Liu , Yang	21/06/22	Self-Assembly of Colloidal Metal-Organic Frameworks Particles into Multidimensional Superstructures	Maspoch Comamala, Daniel	Imaz Gabilondo, Inhar	
Manivannan , Nithyapriya	09/11/21	Study of Se-biofortified functional food: Interactions and competing mechanisms among different elements using <u>synchrotron analytical techniques</u>	Boada Romero, Roberto	Simonelli , Laura	Valiente Malmagro, Manuel
Morales Fernandez, Kevin	04/02/22	Light-Triggered Squaramido-Pt(II) Photocages as Potential PACT Agents	Figueredo Galimany, Marta	Bayon Rueda, Juan Pablo	
Motiram Corral, Kumar	21/10/21	"Advances in NMR spectroscopic methodology and applications: time-efficient methods, ultra long-range heteronuclear correlation experiments and enantiospecific <u>analysis of complex mixtures</u> "	Parella Coll, Teodor	Perez Trujillo, Miriam	Nolis Fañanas, Pau
Norjmaa , Gantulga	01/12/21	Molecular modeling of encapsulation and catalysis in supramolecular metallocages	Marechal , Jean Didier Pierre	Ujaque Perez, Gregorio	
Ortiz Aguayo, Dionisia	15/07/22	Electronic Tongues using Printed Sensor Platforms for Forensic and Security Applications	del Valle Zafra, Manuel		
Pereyra Marina, José Carlos	03/06/22	Halide Perovskite Solar Cells: Strategies for High Stability	Lira Cantú, Mónica Marcela		
Puig Bertotto, Judit	12/09/22	Aplicación de la espectroscopia vibracional como técnica de control en la industria farmacéutica	Coello Bonilla, Jordi		
Rodríguez Cid, Laura	22/10/21	Synthesis and characterization of curcuminoids and their derived polymeric systems	Aliaga Alcalde, Nuria	Domingo Pascual, Maria Concepción	
Rodríguez Martínez, Jorge	03/06/22	Controlled release systems for dental hypersensitivity. Study of Liposomes and novel Metal-Organic Frameworks as <u>cannabinoids carriers</u> .	Valiente Malmagro, Manuel	Sanchez Martin, Maria Jesus	
Romero Tellez, Sonia	02/02/22	Estudios moleculares in silico de reacciones de <u>transglucosidación catalizadas por enzimas</u>	Gonzalez Lafont, Maria dels Angels	Masgrau Fontanet, Laura	
Santigosa Murillo, Elia	29/04/22	Design and optimisation of new microfluidic devices for biological sample extraction systems	Muñoz Tapia, Maria	Ramos Payan, Maria Dolores	
Sarma , Munmi	22/04/22	Voltammetric sensors and electronic tongue for improved sensing of food and pharmaceutical ingredients	del Valle Zafra, Manuel		
Soldevila Sanmartin, Joan	07/10/21	Pyrazole as a framework for ligand design: synthesis of new ligands and coordination compounds	Giner Planas, José	Pons Picart, Josefina	
Villabona Pedemonte, Marc	01/10/21	Photofunctional processes and materials based on molecular switches	Hernando Campos, Jordi	Guirado Lopez, Gonzalo	
Wang , Mingyue	21/09/22	Electronic tongues based on electropolymerized molecularly imprinted polymers for pharmaceutical analysis	del Valle Zafra, Manuel	Cetó Alseda, Xavier	
Zhang , Songbai	23/11/21	Radical Dendrimers As Magnetic Resonance Imaging Contrast Agents	Vidal Gancedo, José	Lloveras Monserrat, Vega	