

MASTER OF APPLIED MATERIALS CHEMISTRY

Master's Thesis: July 2020

- De Aquino Samper, Araceli (*Supervisor: L. Rodríguez, QI*)
"Looking for Highly Phosphorescent Gold(I) Species"
- Domingo Tafalla, Beatriu (*Supervisor: M. Giannotti, IBEC*)
"Mechanical and Structural Characterization of Quatsome Vesicles by AFM and X-Ray Techniques"
- Garfias Bulnes, Andrea (*Supervisors: S. Dosta i V. Albaladejo, CEM*)
"Understanding the Influence of High Velocity Thermal Spray Techniques on the Properties of Different WC-based Coatings"
- Guixé Rovira, Miquel (*Supervisors: A. Grabulosa i C. Lopez, QI*)
"Potentially Multifunctional Ruthenium Organometallic Compounds"
- Martínez Medina, Elizabeth (*Supervisor: I. Angurell, QI*)
"Synthesis of Gold Nanoparticles and Gold Complexes Functionalized with Coumarin Ligands"
- Mayans Llorach, Marc (*Supervisor: M. Martí, Tapla*)
"Projecte d'un nou Producte Flocat per un nou Mercat"
- Sánchez Giménez, Irene (*Supervisor: S. Martínez, Leitat*)
"Conductive Nanocellulose-Silver Nanocomposites and their Application in Printed Electronics"
- Tubau Ribot, Annia (*Supervisor: R. Vicente, QI*)
"Dinuclear Rare Earth compounds derived from 2-Fluorobenzoic acid. Luminescence and Magnetic Properties"

Master's Thesis: September 2020

- Cardenal Rodríguez, Anna (*Supervisor: J. Ignés, QF*)
"Photoreversible anchoring Patterns for Colloidal Assembly in Nematic Liquid Crystal Cells"
- Lallana Pardo, Diego Neil (*Supervisor: E. C. Sañudo, QI*)
"Lanthanide SMMs with Schiff Base Ligands: A Review "
- Lalueza Sánchez, Alba (*Supervisor: C. F. Rodríguez, IQAC*)
"Nanopartículas Híbridas para Bioaplicaciones"

- Rodríguez-Babé Martín, Rocío (*Supervisor*: A J. Fernández, CEM)
“Extracción y Modificación de Nanocelulosa para su Uso como Aditivo en Biopolímeros”
- Sodric Hidalgo, Silvia (*Supervisors*: M. I. Giannotti, IBEC and F. Mas, QF)
“Stretching of Hyaluronic Acid at the Single Molecule Level”

Master’s Thesis: November 2020

- Amazian El Moussaoui, Mohamed (*Supervisor*: N. Homs, QI)
“Study of Crystalline Porous Polymers-based Materials as Photocatalysts for H₂ Production from Ethanol and CO₂ Photoreduction”
- Cañizares Lachowicz, Sara (*Supervisor*: A.B. Caballero, QI)
“Development of an Ultrafast Assay for Early Diagnosis of Parkinson's Disease”
- Gómez Buffet, Daniel (*Supervisors*: A. Figuerola and M. Estrader, QI)
“Nanoparticles: Magnetic and Optical Properties”
- González Fossá, Alejandro (*Supervisor*: D. Sainz, QI)
“Study of Catalytic Activity of NHC Palladium Complexes in Natural Deep Eutectic Solvents”
- Guillén Serrano, Mireia (*Supervisor*: S. Ricart, ICMAB)
“In-situ Studies on the Thermal Decomposition of Precursor Solutions of YBCO Ceramic Superconductor”
- Sarrat Parés, Albert (*Supervisor*: J.O. Rius, CEM)
“Fast Degradation of Azo-dye by Fe-Ni supported on γ -alumina Powder obtained by Mechanical Alloying”
- Roca Moreno, Ariadna (*Supervisor*: P. Gámez, QI)
“Synthesis of Superparamagnetic Iron Oxide Nanocarriers with a Thermolabile Surfactant for Drug Delivery”