

CV Date	11/01/2023
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Part A. PERSONAL INFORMATION

First Name	MATEO		
Family Name	DEL RIO CLAR		
Sex	Male	Date of Birth	26/09/1991
ID number Social Security, Passport	41520628Q	Phone Number	+34 665901484
URL Web			
Email Address	mateo.delrio@uib.cat		
Researcher's identification number	Open Researcher and Contributor ID (ORCID)	0000-0002-7567-3088	
	Researcher ID		
	Scopus Author ID	57190422877	

A.1. Current position

Job Title	Postdoctoral researcher
Starting date	2023
Institution	Catalan Institute of Nanoscience and Nanotechnology (ICN2)
Research Group	Supramolecular Nanochemistry and Materials Group
Country	Spain

A.2. Previous positions

Period	Job Title / Name of Employer / Country
2022 - 2023	Postdoctoral researcher / Universidad de las Islas Baleares
2018 - 2022	Predoctoral researcher / Universidad de las Islas Baleares
2017 - 2017	Research collaborator / Universidad de las Islas Baleares
2016 - 2017	Laboratory technician / Majorica S.A.
2015 - 2015	Research assistant / Fresenius Kabi Deutschland GmbH
2014 - 2014	Undergraduate fellowship / Ministerio de Sanidad, Servicios Sociales e Igualdad

A.3. Education

Degree/Master/PhD	University / Country	Year
Doctorado en Ciencia y Tecnología Química	Universidad de las Islas Baleares	2022
Máster Universitario en Ciencia i Tecnología Química. Especialidad en Química y Física de Materiales	Universidad de las Islas Baleares / Spain	2016
Grado en Química	Universidad de las Islas Baleares / Spain	2014

Part B. Awards

Santander-UIB 2017 Award for Best Doctoral Students.

Catedra Iberostar scholarship 2021.

Sant Albert Award 2022 for the best research.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

- 1 **Scientific paper.** Mateo del Rio; Juan Carlos Grimalt Escarabajal; Gemma Turnes Palomino; Carlos Palomino Cabello. 2022. Zinc/Iron mixed-metal MOF-74 derived magnetic carbon nanorods for the enhanced removal of organic pollutants from water 907680 - Chemical Engineering Journal. 428, pp.131147. ISSN 1385-8947. <https://doi.org/10.1016/j.cej.2021.131147>
- 2 **Scientific paper.** M. del Rio; M. Villar; S. Quesada; G. Turnes; L. Ferrer; C. Palomino. 2021. Silver-functionalized UiO-66 metal-organic framework-coated 3D printed device for the removal of radioactive iodine from wastewaters 919205 - Applied Materials Today. 24, pp.101130. ISSN 2352-9407. <https://doi.org/10.1016/j.apmt.2021.101130>
- 3 **Scientific paper.** Mateo del Rio; Gemma Turnes Palomino; Carlos Palomino Cabello. 2020. Metal-Organic Framework@Carbon Hybrid Magnetic Material as an Efficient Adsorbent for Pollutant Extraction 914334 - Acs Applied Materials & Interfaces. 12-5, pp.6419-6425. ISSN 1944-8244. <https://doi.org/10.1021/acsami.9b19722>
- 4 **Scientific paper.** Carlos Palomino Cabello; Maria Francesca Font Picó; Fernando Maya; Mateo del Rio; Gemma Turnes Palomino. 2018. UiO-66 derived etched carbon/polymer membranes: High-performance supports for the extraction of organic pollutants from water 907680 - Chemical Engineering Journal. 346, pp.85-93. ISSN 1385-8947. <https://doi.org/10.1016/j.cej.2018.04.019>
- 5 **Scientific paper.** del Rio, Mateo; Palomino Cabello, Carlos; Gonzalez, Veronica; Maya, Fernando; Parra, Jose; Cerdà, Victor; Turnes Palomino, Gemma. 2016. Metal oxide assisted preparation of core-shell beads with dense metal-organic framework coatings for the enhanced extraction of organic pollutants 908895 - Chemistry-A European Journal. Wiley-VHC Verlag GmbH & Co. 22, pp.11770-11777. ISSN 0947-6539. <https://doi.org/10.1002/chem.201601329>

C.2. Conferences and meetings

- 1 Mateo del Rio; Inés Pascual Massip; Gemma Turnes Palomino; Carlos Palomino Cabello. MIL-100@carbon hybrid magnetic material for the removal of organic pollutants. 8th International Conference on Metal-Organic Frameworks and Open Framework Compounds. 2022. Germany. 'Participatory - poster. Conference.
- 2 Mateo del Rio; Gemma Turnes; Carlos Palomino. Porous carbons derived from metal-organic frameworks as efficient adsorbents of pollutants. 8th International Conference on Metal-Organic Frameworks and Open Framework Compounds. 2022. Germany. 'Participatory - poster. Conference.
- 3 Mateo del Rio; Marina Villar; Santiago Quesada; Gemma Turnes Palomino; Laura Ferrer; Carlos Palomino Cabello. Application of a 3D printing device coated with silver-functionalized MOF in 131I extraction from wastewaters. 4th European Conference on Metal Organic Frameworks and Porous Polymers (EuroMOF2021). 2021. Poland. 'Participatory - poster. Conference.
- 4 Mateo del Rio Clar; Carlos Palomino Cabello; Laura Ferrer Trovato; Gemma Turnes Palomino. Application of silver-functionalized metal-organic frameworks for the extraction and preconcentration of radionuclides from aqueous solutions. 6th International Conference on Multifunctional, Hybrid and Nanomaterials. 2361 - Elsevier Publications. 2019. Spain. 'Participatory - poster. Conference.

- 5 M. del Rio; C. Palomino; L. Ferrer; F. Maya; G. Turnes. Redes metalo-orgánicas: aplicación en la extracción y preconcentración de radionúclidos en muestras acuosas.. IV Jornadas Doctorales de la Universidad de Murcia. UMU - Universidad de Murcia (UM). 2018. Spain. Participatory - oral communication. Conference.
- 6 M. del Rio; C. Palomino; L. Ferrer; F. Maya; G. Turnes. Porous carbons derived from metal-organic frameworks on functional polymer membranes for the enhanced extraction of pollutants. Polymat Spotlight 2018. 07237 - Universidad del País Vasco. 2018. Spain. Participatory - poster. Conference.
- 7 Carlos Palomino Cabello; Fernando Maya; Mateo del Rio; Víctor Cerdà; Gemma Turnes Palomino. Strategies for the efficient application of metal-organic frameworks and derived materials as sorbents for the extraction of water pollutants. EMN Barcelona Meeting. 2018. Spain. Participatory - invited/keynote talk. Conference.
- 8 Carlos Palomino Cabello; Maria Francesca Font Picó; Mateo del Rio; Fernando Maya; Gemma Turnes Palomino. Porous carbons derived from uio-66 metal-organic frameworks for the enhanced extraction of organic pollutants. XXXVI Reunion Bienal de la Sociedad Española de Química. 2017. Spain. Participatory - oral communication. Conference.
- 9 del Rio, M.; Palomino, C.; Maya*, F.; Turnes, G.; Estela, J.M.; Cerdà, V. Preparation of ZIF-coated polystyrene microspheres by transformation of ZnO precursors. 1st European Conference on Metal Organic Frameworks and Porous Polymers. 2015. Germany. Participatory - poster. Conference.

C.3. Research projects and contracts

- 1 **Project.** PID2019-107604RB-I00, Materiales y tecnologías de fabricación avanzadas para la monitorización y eliminación de contaminantes emergentes en aguas: hacia una economía circular del agua (CE3DMAT). Ministerio de Ciencia, Innovación y Universidades. Gemma Isabel Turnes Palomino; Laura Daniela Ferrer Trovato. (Universidad de las Islas Baleares). 01/06/2020-31/05/2024. 217.800 €.
- 2 **Project.** PRD2018/45, Hacia una economía circular del agua: Materiales y técnicas de fabricación avanzadas para la monitorización y eliminación en aguas contaminantes clásicos, prioritarios y emergentes. Conselleria d' innovació, recerca i turisme. Gemma Isabel Turnes Palomino. (Universidad de las Islas Baleares). 01/07/2020-30/06/2023. 80.000 €.
- 3 **Project.** PROCOE/7/2017, Materiales avanzados, detector en línea y plataforma para desarrollar un sensor de radionúclidos. Conselleria d' innovació, recerca i turisme. Laura Daniela Ferrer Trovato. (Universidad de las Islas Baleares). 22/12/2017- 22/03/2021. 25.200 €.
- 4 **Project.** CTQ2016-77155-R, Nuevas tecnologías y materiales avanzados para la automatización de metodologías de análisis medioambiental. Ministerio de Economía y Competitividad (MINECO). Víctor Cerdà Martín; Gemma Isabel Turnes Palomino. (Universidad de las Islas Baleares). 30/12/2016-29/12/2020. 165.770 €.
- 5 **Project.** AAEE011/2017, Extracció, separació i degradació de contaminants emprant materials ultraporosos. Conselleria d' innovació, recerca i turisme. Fernando Maya Alejandro. (Universidad de las Islas Baleares). 01/07/2017-31/10/2017. 17.000 €.

C.4. Stays in public or private R&D centres

- 1 Dipartimento di Chimica dell'Università degli Studi di Torino. Italy. Turín. From 2021. 3 months - 13 days. PhD Student.
- 2 Fresenius Kabi Deutschland GmbH. Germany. Bad Homburg vor der Höhe. From 2015. 8 months. Hired.