

# LISTADO DE GRUPOS DE INVESTIGACIÓN PORTUGUESES

**Entregable D4**

**Red CYTED 316RT0508**



Nombre del grupo	Institución	Persona de contacto [Dirección]	Página web	Líneas de investigación
Bio(chemical) Process Engineering <b>(REQUIMTE-LAQV)</b>  CQFB - Centro de Química Fina e Biotecnologia	Universidade Nova de Lisboa (NOVA)	Dr. João G. Crespo Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa 2829-516 Caparica, Portugal	www.requimte.pt/laqv	<ul style="list-style-type: none"> <li>• Microbial ecology of mixed cultures involved in wastewater treatment and valorisation systems. Obtención de energía renovable a partir de microalgas y pilas microbianas de combustible.</li> <li>• Membrane separation processes.</li> <li>• Development of sustainable bioprocesses for the removal of pollutants from water and wastewater streams</li> <li>• Advanced electro-oxidation for hospital wastewater purification.</li> </ul>
Laboratório de Catálise e Materiais <b>(LCM)</b> Laboratório de Processos de Separação e Reacção - Laboratório de Catálise e Materiais <b>(LSRE-LCM)</b>	Universidade do Porto (FEUP)	Dr. José Luis Figueiredo Departamento de Engenharia Química Faculdade de Engenharia da Universidade do Porto  Rua Dr. Roberto Frias 4200-465 Porto	<a href="https://lsre-lcm.fe.up.pt/">https://lsre-lcm.fe.up.pt/</a>	<ul style="list-style-type: none"> <li>• Environmental catalysis and technologies.</li> <li>• Advanced oxidation processes and membrane technologies</li> </ul>
Laboratório de Processos de Separação e Reacção <b>(LSRE)</b> Laboratório de Processos de Separação e Reacção - Laboratório de Catálise e Materiais <b>(LSRE-LCM)</b>	Universidade do Porto (FEUP)	Dr. Rui Boaventura  Departamento de Engenharia Química Faculdade de Engenharia da Universidade do Porto Rua Dr. Roberto Frias 4200-465 Porto	<a href="https://lsre-lcm.fe.up.pt/">https://lsre-lcm.fe.up.pt/</a>	<ul style="list-style-type: none"> <li>• Environmental Engineering - advanced oxidation and biological processes.</li> </ul>

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Laboratory for Process Engineering, Environment, Biotechnology and Energy ( <b>LEPABE</b> )	Universidade do Porto (FEUP)	Dra. Armanda Alves Departamento de Engenharia Química Faculdade de Engenharia da Universidade do Porto Rua Dr. Roberto Frias 4200-465 Porto	<a href="https://pagina.s.fe.up.pt/~lepabe/index.html">https://pagina.s.fe.up.pt/~lepabe/index.html</a>	<ul style="list-style-type: none"> <li>Degradation and removal of persistent organic pollutants, emerging pollutants and pharmaceutical compounds.</li> <li>Advanced oxidation processes for wastewater treatment; Fenton and photo-Fenton oxidation.</li> <li>Processes of degradation of contaminated environmental matrices.</li> </ul>
Catalysis & Functional and Smart Materials ( <b>REQUIMTE-LAQV</b> )	Universidade do Porto (FCUP)	Dra. Ana Cristina Moreira Freire Departamento de Química e Bioquímica Faculdade de Ciências, Universidade do Porto	<a href="http://www.requimte.pt/laqv/catalysis-functional-and-smart-materials">www.requimte.pt/laqv/catalysis-functional-and-smart-materials</a>	<ul style="list-style-type: none"> <li>Development of novel eco-sustainable catalytic systems</li> <li>Preparation and application of functional and smart materials</li> </ul>
Grupo Revestimentos Funcionais ( <b>GRF</b> )	Universidade do Minho	Prof. Luís Rebouta Departamento de Física, Campus de Azurem 4800-058 Guimarães, Portugal	<a href="http://www.fisica.uminho.pt/Default.aspx?tabid=8&amp;pageid=243&amp;lang=pt-PT">www.fisica.uminho.pt/Default.aspx?tabid=8&amp;pageid=243&amp;lang=pt-PT</a>	<ul style="list-style-type: none"> <li>Photocatalytic thin films with self-cleaning properties.</li> <li>Nanotechnology applied to biological systems.</li> </ul>

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Centro de Química	Universidade do Minho	Dra. Maria Fernanda Jesus Rego Paiva Proença  Campus de Gualtar 4710 – 057 Braga	<a href="http://cq.uminho.pt/">http://cq.uminho.pt/</a>	<ul style="list-style-type: none"> <li>Development of meso- and nanostructures with application in innovative therapeutics and water purification systems.</li> </ul>
Centro de Engenharia Biológica		Prof. Madalena Alves  Centro de Engenharia Biológica Universidade do Minho Campus de Gualtar 4710-057 Braga Portugal	<a href="http://www.ceb.uminho.pt/">www.ceb.uminho.pt/</a>	<ul style="list-style-type: none"> <li>Fundamental and applied research, aiming at the development, use and regulation of biological systems for the remediation of contaminated environments</li> </ul>
Centre for Territory, Environment and Construction School of Engineering	Universidade do Minho	Prof. José Manuel Pereira Vieira  Centro de Território, Ambiente e Construção Escola de Engenharia da Universidade do Minho Campus de Azurém 4800-058 Guimarães, Portugal	<a href="http://ctac.uminho.pt/">ctac.uminho.pt /</a>	<ul style="list-style-type: none"> <li>Water Resources and Environment</li> </ul>

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Centro de Química Vila Real (CQVR)	Universidade de Trás-os-Montes e Alto Douro (UTAD)	Dr. José A. Peres Departamento de Química UTAD - Universidade de Trás-os-Montes e Alto Douro Quinta de Prados 5000-911 Vila Real, Portugal	<a href="http://www.cqvr.utad.pt">www.cqvr.utad.pt</a>	<ul style="list-style-type: none"> <li>Advanced oxidation processes.</li> <li>Biological treatment processes.</li> </ul>
Center of Chemistry and Biochemistry (CQB)	Universidade de Lisboa	Prof. Maria José Calhorda Faculdade de Ciências da Universidade de Lisboa Campo Grande 1749-016 Lisboa	<a href="http://cqb.fc.ul.pt/chemistry-and-biochemistry-for-a-clean-environment/">http://cqb.fc.ul.pt/chemistry-and-biochemistry-for-a-clean-environment/</a>	<ul style="list-style-type: none"> <li>Synthesis and characterization of new molecules and materials able to degrade contaminants to non-toxic molecules, to adsorb pharmaceutical remains, to obtain heterogeneous and homogeneous catalysts to improve industrially relevant reactions</li> <li>Adsorption and Adsorbent Materials</li> <li>Separation Science and Technology</li> </ul>
Adsorption and Adsorbent Materials Group	Universidade de Lisboa	Dra. Ana P. Carvalho Faculdade de Ciências, Universidade de Lisboa. Campo Grande 1749-016 Lisboa	<a href="http://cqb.fc.ul.pt/research/adsorption_and_adsorbent_materials/">http://cqb.fc.ul.pt/research/adsorption_and_adsorbent_materials/</a>	<ul style="list-style-type: none"> <li>Adsorbents for removal of pollutants from liquid phase.</li> </ul>

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Environment, Reaction, Separation and Thermodynamics Group ( <b>GERST</b> )	Universidade de Coimbra	Dra. Rosa M. Quinta-Ferreira  Departamento de Engenharia Química da FCTUC  3030-790 Coimbra	<a href="http://www.uc.pt/fctuc/deq/cieppqf/research_groups/gerst">www.uc.pt/fctuc/deq/cieppqf/research_groups/gerst</a>	<ul style="list-style-type: none"> <li>• Advanced oxidation process.</li> <li>• Environmental Engineering - leaching processes and remediation, biowaste composting processes.</li> <li>• Valorization of wastes for recovery of value-added substances.</li> </ul>
Centro de Biotecnologia e Química Fina ( <b>CBQF</b> )	Universidade Católica Portuguesa	Dra. Manuela Pintado  Escola Superior de Biotecnologia (Faculty of Biotechnology)  Rua Arquiteto Lobão Vital Apartado 2511 EC Asprela 4202-401 Porto, Portugal	<a href="http://www.esb.ucp.pt/cbqf/">www.esb.ucp.pt/cbqf/</a>	<ul style="list-style-type: none"> <li>• Biodegradation and biocatalysis: isolation and characterisation of microorganisms capable of degrading chlorinated and fluorinated compounds.</li> <li>• Biological treatment technologies - biofilm reactors, constructed wetlands.</li> </ul>
Centre for Environmental and Marine Studies	Universidade de Aveiro	Dr. Armando Duarte  Universidade de Aveiro Campus Universitário de Santiago 3810-193 Aveiro	<a href="http://www.cesam.ua.pt/">www.cesam.ua.pt/</a>	<ul style="list-style-type: none"> <li>• Environmental processes &amp; pollutants</li> </ul>

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Centre of Chemical Processes Group for Separation Processes and Environment	Instituto Técnico de Lisboa	Prof. Jorge Manuel Rodrigues de Carvalho  Instituto Superior Técnico Department of Chemical Engineering Av. Rovisco Pais 1049-001 Lisboa - Portugal	<a href="https://fenix.tecnico.ulisboa.pt/investigacao/cpqutl/SPE">https://fenix.tecnico.ulisboa.pt/investigacao/cpqutl/SPE</a>	<ul style="list-style-type: none"> <li>• Sustainability, Liquid-Liquid Separations and Solid-Fluid Processes.</li> </ul>
Centro de Recursos Naturais e Ambiente (CERENA)	Instituto Técnico de Lisboa	Prof. Maria João Pereira  Instituto Superior Técnico Av. Rovisco Pais, 1, Lisboa, Portugal, 1049-001	<a href="http://cerena.iutl.pt/">http://cerena.iutl.pt/</a>	<ul style="list-style-type: none"> <li>• De-watering / Integrated Filtration / Compression / Drying</li> <li>• Liquid Membranes: emulsion liquid membranes, hollow fibre techniques, Pseudo Emulsion membranes based on hollow fibers with strip dispersion.</li> <li>• Leaching, Biosorption, Cementation and Ion Exchange</li> </ul>
Environmental Chemistry and Health (REQUIMTE-LAQV)	Instituto Superior de Engenharia do Porto (ISEP)	Prof. Cristina Maria Delerue Alvim de Matos  Rua Dr. António Bernardino de Almeida, 4200-072 Porto	<a href="http://www.requimte.pt/laqv/environmental-chemistry-and-health">www.requimte.pt/laqv/environmental-chemistry-and-health</a>	<ul style="list-style-type: none"> <li>• Waste management, environmental control and (bio)remediation.</li> </ul>

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Materiais Fibrosos e Tecnologias Ambientais <b>(FibEnTech)</b>		Dr. Manuel José dos Santos Silva  Rua Marquês d'Ávila e Bolama 6201-001 Covilhã	<a href="http://www.lnec.pt/en/gca/index.php?id=710">www.lnec.pt/en/gca/index.php?id=710</a>	<ul style="list-style-type: none"> <li>• Water and wastewater treatment technologies, including advanced oxidation processes and constructed wetlands.</li> <li>• Waste recovery and water reuse.</li> </ul>
Instituto da Água da Região Norte <b>(IAREN)</b>		Prof. Fátima Alpendurada  Rua Dr. Eduardo Torres, 229 4450-113 Matosinhos	<a href="http://www.iaren.pt/investigacao-desenvolvimento/cipe-qren/equipa-tecnica/">www.iaren.pt/investigacao-desenvolvimento/cipe-qren/equipa-tecnica/</a>	<ul style="list-style-type: none"> <li>• Analytical methods to determine organic micropollutants</li> <li>• Environmental monitoring</li> <li>• Study of sources, distribution and degradation of emerging pollutants in the environment</li> <li>• Advanced oxidation processes</li> <li>• Ecotoxicological assessment</li> <li>• Imunoassays</li> </ul>
Water Quality and Treatment Laboratory <b>(UQTA)</b>  Urban Water Unit of the Hydraulics and Environment  Department Laboratório Nacional de Engenharia Civil		Dra. Maria João Rosa  Avenida do Brasil, 101 1700-066 Lisboa - Portugal	<a href="http://www.lnec.pt/en/gca/index.php?id=710">www.lnec.pt/en/gca/index.php?id=710</a>	<ul style="list-style-type: none"> <li>• Water quality monitoring &amp; advanced characterization (cyanotoxins and organic matter).</li> <li>• Performance assessment &amp; improvement of water and wastewater treatment plants, including energy efficiency and storm-water inflow management.</li> <li>• Consultancy in WTP and WWTP design (construction or rehabilitation) and start-up.</li> <li>• Lab and pilot tests of conventional technologies: coagulation, flocculation and sedimentation or flotation.</li> <li>• Strategies for controlling the oxidation by-products formation potential and biological forms resistant to chemical oxidation.</li> <li>• Water quality studies in distribution systems (residual disinfectant decay, biofilm formation potential).</li> <li>• Lab and pilot tests of advanced technologies: membrane-based processes, adsorption systems, biofilters and hybrid processes.</li> </ul>