Research outputs

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Microwave Heating as an Energy-Efficient Route for Waste Valorisation and Carbon Capture: Invited Keynote
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Activities

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Fernandez Martin, C. (Peer Review)
27 Feb 2026

Carbon Capture Science & Technology (Journal)
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Journal of Analytical and Applied Pyrolysis (Journal)
Fernandez Martin, C. (Peer Review)
20 Feb 2025

Philosophical Transactions of the Royal Society of London. Series A (Journal)
Fernandez Martin, C. (Peer Review)
Nov 2024

20th International Conference on Microwave and High-Frequency Application, AMPERE 2025 (Event)
Fernandez Martin, C. (Member of editorial board)
1 Oct 2024 → 31 Dec 2025

"Evaluation and integration of optimization automatisms in the microwave devulcanization process for the recovery of rubber from end-of-life tires"
Fernandez Martin, C. (External Examiner)
Jul 2024 → …

The Royal Society Scientific Meeting on Microwave Science in Sustainability (Event)
Fernandez Martin, C. (Chair)

14 May 2024

Carbon (Journal)
Fernandez Martin, C. (Peer Review)
25 Mar 2024

European Journal of Microwave Energy (Journal)
Fernandez Martin, C. (Peer Review)
29 Jan 2024

UoA Interdisciplinary Challenge Open Session
Dan, E. (Speaker), Fernandez Martin, C. (Participant), McCue, A. (Participant) & Dionisi, D. (Participant)
29 Sept 2023

UoA Interdisciplinary Challenge Open Session
Ekpo, V. F. (Speaker), Fernandez Martin, C. (Participant), Biscaya Semedo Pereira da Graca, I. (Participant) & McCue, A. (Participant)
29 Sept 2023

19th International Conference on Microwave and High-Frequency Application (Event)
Fernandez Martin, C. (Peer reviewer)
Sept 2023

Transfer hydrogenation of carbon dioxide with bio-derived glycerol over zeolite-based catalysts
Rouse, N. V. (Speaker), Fernandez Martin, C. (Author), McCue, A. (Author) & Biscaya Semedo Pereira da Graca, I. (Author)
Sept 2023

Aythami Perez-Remedios
Fernandez Martin, C. (Host)
13 Mar 2023 → 6 Sept 2023

Association for Microwave Power in Europe for Research and Education (Ampere) (External organisation)
Fernandez Martin, C. (Member)
Dec 2021 → …

Energies (Journal)
Fernandez Martin, C. (Peer Review)
21 Aug 2021 → 5 Jul 2022

AMPERE (External organisation)
Fernandez Martin, C. (Member)
2021 → 2027

Processes (Journal)
Fernandez Martin, C. (Peer Review)
Oct 2020 → Jul 2021

NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL) (External organisation)
Fernandez Martin, C. (External Examiner)
Aug 2020

Processes (Journal)
Fernandez Martin, C. (Guest editor)
28 Feb 2020 → 29 May 2022

CCS Deputy Champion for the University of Aberdeen.
Fernandez Martin, C. (Contributor)
2020 → Dec 2027

Environment and Biodiversity (Organisational unit)
Fernandez Martin, C. (Member)
2020 → …

Centre for Energy Transition (Organisational unit)
Fernandez Martin, C. (Member)
2019 → …

Supervision of Rutherford Fellow: Dr Ghulam Hussain
Fernandez Martin, C. (Supervisor)
Jun 2018 → Mar 2019

Supervision of Rutherford Fellow: Dr Heriberto Diaz-Velazquez
Fernandez Martin, C. (Supervisor)
Jun 2018 → Mar 2019

Supervision of Rutherford Fellow: Dr Yu Liu
Fernandez Martin, C. (Supervisor)
Jun 2018 → Mar 2019

Chemical Engineering Journal (Journal)
Fernandez Martin, C. (Peer Review)
May 2018

Supervision of Rutherford Fellow: Dr Osiry Hernandez-Silva
Fernandez Martin, C. (Supervisor)
May 2018 → Feb 2019

Polytechnic University of Valencia
Fernandez Martin, C. (Visiting Lecturer) & Catala-Civera, J. M. (Collaborator)
1 May 2017 → 15 Jul 2017

PhD Examiner (Viva) for the thesis titled: Advances in the use of aerobic sequencing batch reactors for biological wastewater treatment
Fernandez Martin, C. (Examiner)
11 Dec 2016

PhD Examiner (Viva) for the thesis titled: Carbon capture and storage optimisation in solid oxides: understanding surface-fluid interactions
Fernandez Martin, C. (Examiner)
14 Nov 2016

The Promising Application of Microwaves in Carbon Capture and Storage
Fernandez Martin, C. (Author)
10 Oct 2016

Energies (Journal)
Fernandez Martin, C. (Peer Review)
2016 → 2018

Chemical Engineering and Materials Research Group (Organisational unit)
Fernandez Martin, C. (Member)
1 Jan 2015 → Feb 2019

UK Carbon Capture and Storage Research Centre (UKCCSRC) (External organisation)
Fernandez Martin, C. (Member)
1 Jan 2015

Carbon Capture Science & Technology (Journal)
Fernandez Martin, C. (Peer Review)
28 Feb 2013

Scottish Carbon Capture and Storage (SCCS) (External organisation)
Fernandez Martin, C. (Member)
Jan 2013

University of South Carolina
Fernandez Martin, C. (Visiting Researcher), Ebner, A. (Collaborator) & Ritter, J. (Collaborator)
1 Sept 2010 → 23 Dec 2010

University of Liverpool
Fernandez Martin, C. (Visiting Researcher) & Cooper, A. I. (Collaborator)
1 Jun 2009 → 30 Jul 2009