

## CARLOTA GUATI

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## RESEARCH

- **Title:**

Separaciones microfluidicas de elevado rendimiento. Retos y oportunidades.  
(RTI2018-093310-B-100) (MCI/AEI/FEDER, UE)

- **Description:**

Development of new techniques for organic molecules detection, such as glucose in patients with Diabetes type I and II. These new techniques are based on Continuous Glucose Monitoring devices, which can predict glucose tendencies thanks to continuous measurements of glucose electrooxidation. These technology presents advantages over convencional glucometers in terms of durability and residues.

- **Publications:**

- **Congress contributions:**

C. Guati, A. Irabien, J. Albo. CONTINUOUS PHOTOCHEMICAL CONVERSION OF CO<sub>2</sub> INTO METHANOL IN AN OPTOFLUIDIC MICROREACTOR. ANQUE-ICCE 3 Student Conference, 17th - 18th June 2019, Santander (España). Poster

C. Guati, A. Irabien, J. Albo. CONTINUOUS PHOTOCATALYTIC CONVERSION OF CO<sub>2</sub> INTO METHANOL IN AN OPTOFLUIDIC MICROREACTOR. XXXVII Reunión Bienal de la Real Sociedad Española de Química, 26th – 30th May 2019, Donostia - San Sebastián (España). Flash presentation

C. Guati, A. Irabien, J. Albo. CONTINUOUS PHOTOCATALYTIC CONVERSION OF CO<sub>2</sub> INTO METHANOL IN AN OPTOFLUIDIC MICROREACTOR. XXV Jornadas Nacionales de Ingeniería Química, 4th - 6th July 2018, Salamanca (España). Poster

- **R&D Projects:**

Title: (M<sup>o</sup>) SEPARACIONES MICROFLUIDICAS DE ELEVADO RENDIMIENTO. RETOS Y OPORTUNIDADES.

Participant entities: Cantabria University

Duration, since 01/01/2019 to 31/12/2021.

Main researcher: Inmaculada Ortiz

Number of participants 2

Title: CARBON DIOXIDE CAPTURE AND UTILISATION. MATERIALS CIRCULAR ECONOMY. SUSTAINABILITY.

Participant entities: Cantabria University

Duration, since 02/2018 to 10/2018.

Main researcher: Jonathan Albo and Angel Irabien

Number of participants 2