



Family name, Name: **Sardon, Haritz**
Date of Birth: **21 July 1982**
Nationality: **Spanish**
Researcher ID: **C-4044-2015**
Researcher ORCID: **0000-0002-6268-0916**
Webpage: <https://haritzsardonlab.com>
Twitter Account: [@SardonL](https://twitter.com/SardonL)

EDUCATION

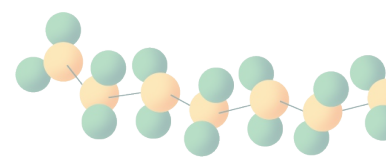
- 2008-2011** **PhD in Polymer Chemistry**, University of the Basque Country UPV/EHU, supervised by Prof. M.J. Fernandez- Berridi and Prof. L. Irusta.
- 2006-2008** **M.S. in Applied Chemistry and Polymeric Materials**, UPV/EHU, Donostia, Spain.
- 2000-2005** **B.S. in Chemistry (Macromolecules)**, UPV/EHU, Donostia, Spain.

CURRENT POSITION(S)

- 2017-present** **Assistant Professor**, UPV/EHU (Department of Polymer Science and Technology Department (POLYMAT), Donostia).
- 2020-present** **Group Leader of Catalysis and Sustainable Polymers**, BERC-POLYMAT, Donostia.

PREVIOUS POSITIONS

- 2016-2020** **Research Associate**, BERC-POLYMAT Donostia, Spain.
- 2016-2018** **Ikerbasque Research Fellow**, UPV/EHU, Donostia, Spain.
- 2014-2016** **Postdoctoral-Scientist** BERC-POLYMAT, Donostia, Spain (supervised by Prof. Mecerreyes)
- 2012-2014** **Postdoctoral-Scientist**, Advanced Organic Materials, IBM-Almaden Research Center, California USA (supervised by Dr. J. L. Hedrick)
- 2010-2012** **Scientist**, Biomaterials Group, Histocell, S.L., Derio, Spain (supervised by Dr. Scott Rapoport) (Private Sector).



FELLOWSHIPS

- 2016 Ikerbasque Research Fellow**, one of the 15 selected candidates from more than 400 applicants
- 2014 Iberdrola Research Award** in Energy and Environment, Iberdrola. One of the 20 selected awards from more than 300 candidates.
- 2014 Juan de la Cierva Award**, Spanish Ministry. Selected in the chemistry panel from around 200 candidates.
- 2011 Postdoctoral grant** from the Basque Government, Spain. Ranked n°1 in the chemistry panel from 10 candidates.
- 2006 Doctoral grant** from the Ministry of Education and Science, Spain.

PROJECTS AS PI AND SUPERVISION CAPACITY (2016-2020)

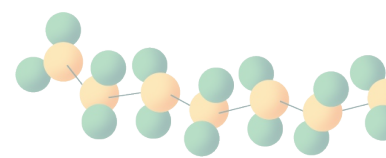
Dr. Sardon has obtained funding as a principal investigator both from the private sector (450 K€) and the public sector, including competitive calls at regional level (ELKARTEK-NEOPLAST 90 K€), national level (MAT2017-83373-R 125 K€ and Europa Excelencia 2020-112080 75 K€) and European Level (H2020, NATURE-EID (750 K€-Coordinator), NIPU-EJD-2020 (500 K€), VITRIMAT-ETN-2019 (500 K€), 4DBIOGEL-IF-2018 (250 K€) and SUSPOL-ITN-EJD-2014 (850 K€- Coordinator). Recently he has been ranked in the waiting list of the ERC-Consolidator grant.

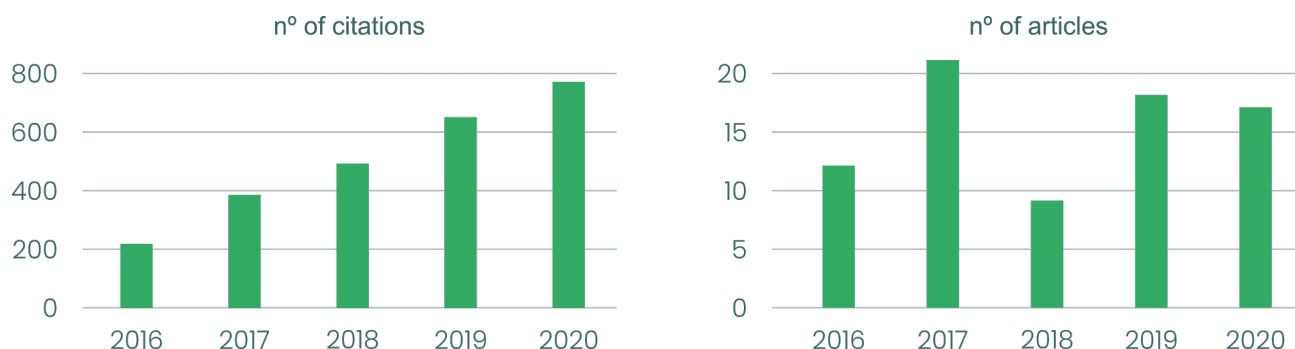
Dr. Sardon has (co)directed 6 PhD thesis (2 international) and currently he is supervising 10 PhD thesis. Moreover, he has supervised up to 5 postdoctoral researchers and currently he has 3 postdoctoral researchers in his group. It is important to remark that due to his presence as assistant professor at the UPV/EHU he also has already supervised 13 Master and 8 undergraduate students.

MAIN ACHIEVEMENTS AND SCIENTIFIC CONTRIBUTIONS IN THE LAST 5 YEARS

Haritz Sardon has published a total of **106 scientific publications** with more than 65 in the last 5 years (2016-2020). Dr. Sardon is the corresponding author on 48 of them and 90 are in Q1 journals. The impact of his work can be measured by the nearly 3000 citations his publications have received (more than 2.000 since 2016), which gives him an **h-index of 32 (Scopus 02/2021)**.

In 2020, Dr. Sardon has been awarded the **Prize for Excellence of the Young Researcher** in Polymers by the GEP and the **BBVA Leonardo Grant** for Researchers and Cultural Creators in the area of Chemistry.



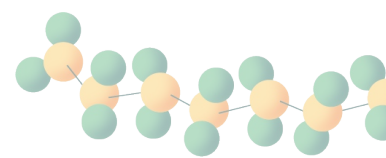


He has been invited to write several feature articles and reviews including a review article in **Nature** “Dynamic polymer network points the way to truly recyclable plastics” *Nature* 568, 467-468 (2019) and in *Science* “Plastic Recycling with a difference” **Science**, 2018, 360. 380-381. Moreover, one of his feature articles about “**Organocatalyzed Polyurethanes**” published in **Macromolecules** is one of the journal’s Top 20 most downloaded articles for the previous 12 months.

Dr. Sardon has recently been appointed as member of the **Advisory Board of Macromolecules and ACS Applied Polymer Materials** (top journal in the field of macromolecules) and part of the Early Career Advisory Board of the **ACS Sustainable Chemistry and Engineering** (top journal in green chemistry). He has also participated as **editor in a Special Issue** in the prestigious *European Polymer Journal* about Organocatalyzed Polymerizations (2017) and in **Polymer Chemistry** about Plastic Circular Economy (2020). Moreover in 2018 he has edited one book entitled “Organic Catalysis for Polymerisation” together with Prof. Andrew Dove y el Dr. Stefan Naumann.

Dr. Sardon has a total of **5 patents** and is one of the key players on the use of organocatalysis in the preparation of polymers by condensation. His greatest scientific contribution focuses on the synthesis of acid-base complexes as thermally stable organocatalysts and their use in the recycling of plastics and polymerizations at high temperatures, which has resulted from **the creation of a spin-off (Polykey, <https://polykey.eu/>)**.

He has actively participated in the organization of scientific meetings. He was member of the organizing committee of the “10th ECNP conference ECNP International Conference on Nanostructured Polymers and Nanocomposites” (200 participants) and of the GEP-SLAP 2020 to be held in 2021 (300 participants). In addition, he is the main organizer of the **10th EPF summer school in Circular Plastic Economy** to be held in 2021. Dr. Sardon has been invited to give more than 30 conferences of which 12 are at international conferences, 16 at universities such as Berkeley or Birmingham and several companies IBM, Oribay or BASF.



REPRESENTATIVE ARTICLES AS A GROUP LEADER

C. Jehanno, J. Demarteau, D. Mantione, M. C. Arno, F. Ruiperez, J. L. Hedrick, A. P. Dove*, H. Sardon*

Selective Chemical Upcycling of Mixed Plastics Guided by a Thermally Stable Organocatalyst

Angew. Chem. 2021, 133, 2–10

A. Sangroniz, J. B. Zhu, X. Tang, A. Etxeberria, E. Y.-X. Chen*, H. Sardon*

Packaging materials with desired mechanical and barrier properties and full chemical recyclability

Nat. Comm. 2019, 10, 3559

C. Jehanno and H. Sardon*

Dynamic polymer network points the way to truly recyclable plastics

Nature. 2019, 568, 467-468

C. Jehanno, I. Flores, A.P. Dove, A.J. Müller, F. Ruipérez, & H. Sardon*

Organocatalysed depolymerisation of PET in a fully sustainable cycle using thermally stable protic ionic salt

Green Chem. 2018, 20, 1205-1212

H. Sardon & A. P. Dove

Plastic Recycling with a difference

Science. 2018, 360, 380-381

* means corresponding author

