

Dr. Jose Ramon Leiza

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Academic education

University of the Basque Country, Spain	Chemistry	Graduate, 1987
University of the Basque Country, Spain	Chemical Engineering	Doctorate, 1991

Profesional appointments

2010 - Present	Professor of Chemical Engineering, UPV/EHU Donostia,
1995 - 2010	Associate Professor of Chemical Engineering UPV/EHU, Donostia,
1992 - 1995	Assistant Professor, UPV/EHU, Donostia
1987 - 1991	PhD Student at the Dept. of Applied Chemistry, UPV/EHU, Donostia
2011 – 2020	Director of the Institute for Polymer Materials, POLYMAT.

Research projects: Participation in 65 research projects with public and private funding. Principal investigator of 20 projects: 3 European, 8 industrial and 19 national and local.

Publications: > 192 pubs. In International Journals (no proceedings) and 19 chapters in books: 19 Macromolecules, 1 ACS Macro letters, 17 Macromol. React. Eng. 10 J. Polym. Sci. Polym. A, 11 Polymer, 4 AIChE, 8 Ind. Eng. Chem. Res. 2 Langmuir, 2 J. Mat. Chem. A, 9 Chem. Eng. J., 9 Polym. Chem, 6 European Polymer J, 2 Soft Matter, 1 Reactive&Functional Polymer, 2 Polymers, 1 Biomacromolecules, 1 Nanomaterials, 5 Prog. Org. Coatings, 1 Green Chemistry, 1 ACS Sust. Chem Eng., J. Liquid Chromatography, 2 Macromol. Mt. Eng., 1 ACS Appl. Mat. Inter.....

Patents: 9

H factor: 37 **Number of citations:** 4702 (March 31 2022, in ISI Web of Science)

Stays > 1 month in international centers: 1 year (Visiting Researcher) in Emulsion Polymers Institute, Lehigh University (USA), 1 year (sabbatical leave) in Queen's University, Kingston (Canada)

Invited talks: 30 talks in conferences of Polymer Colloids, Polymer Reaction Engineering and Polymer Chemistry.

Seminars given at Universities, Companies, Advanced Schools, and Technological Centers: 40

Supervision of students: Supervisor of 30 doctoral thesis (24 already graduated and other 6 in progress). Supervisor of more than 25 postdoctoral researchers (3 of them currently).

Scientific activities organization: Organizer of 7 international conferences about polymerization in dispersed media and polymer reaction engineering.

Regular international collaborations established:

Intense and regular collaboration with more than 5 international worldwide recognized groups in the field of Polymer Reaction Engineering and Polymer Colloids: **Timothy McKenna**, Lyon, CNRS (France), **R. Hutchinson**, Queens University, Kingston, ON, Canada, **Yuri Reyes**, Universidad Autónoma Metropolitana Unidad Lerma (UAM-L), Lerma, Mexico, Luis Gugliotta&Roque Minari, Conicet Universidad Nacional del Litoral, Santa Fe, Argentina; Claudia Sayer and Pedro H. Araujo, Universidad Federal de Santa Catarina, Florianopolis (Brasil)

List of relevant recent publications, book chapters and patents (2016-2021):

- N. Ballard, M. Aguirre, A. Simula, A. Aguirre, J.R. Leiza, J.M. Asua, S. Van Es, *ACS Macro Letters* 5, 1019 (2016)
- A. Simula, M. Aguirre, N. Ballard, A. Aguirre, J.R. Leiza, J.M. Asua, S. Van Es, *Polym. Chem.* 8, 1728-1736 (2017)
- E. Mehravar, A. Aguirre, N. Ballard, S. Van Es, A. Arbe, J. R. Leiza, J. M. Asua, *Macromolecules* 51, 9740–9748 (2018)
- J. M. M. Faust , S. Hamzehlou , Jose R. Leiza , J. M. Asua , A. Mhamdi , A. Mitsos, *Chem. Eng. J.* 359, 1035-1045 (2018)
- I. Emaldi, S. Hamzehlou, E. Erkizia, J. Sanchez Dolado, A. Etxeberria, J.R. Leiza, *Polym. Chem.* 10, 1000–1009 (2019)
- N. Rajabalinia, S. Hamzehlou, J.R. Leiza, J.M. Asua, *Chem. Eng. J.* 363, 259-269 (2019).
- A. Badia, A. Aguirre, J.I. Santos, M.J. Barandiaran, J.R. Leiza, *ACS Sust. Chem. Eng.* 7, 19122–19130 (2019).
- F. Wenzel, A. Aguirre, M. Aguirre, J.R. Leiza, *Green Chemistry* 22, 3272-3282 (2020).
- A. Badia, A. Aguirre, M.J. Barandiaran, J.R. Leiza, *Biomacromolecules* 21(11), 4522-4531 (2020).
- M. Goikoetxea, I. Amenabar, S. Chimentì, M. Paulis, J. R. Leiza, R. Hillenbrand, *Macromolecules* 54, 995-1005 (2021).

Book chapters

1. S. HAMZEHLOU, J.R. LEIZA, “Morphology of Composite Polymer Latexes: An Update on synthesis and applications, modeling and characterization”, In *Polymer Reaction Engineering of Dispersed Systems, ADVANCES IN POLYMER SCIENCES* series, ed. W. Pauer. Volume II, pp.105-141 (2018). Springer International Publishing. ISBN: 978-3-319-96435-5. DOI: 10.1007/12_2017_25
2. M. AGUIRRE, M. PAULIS, J.R. LEIZA, “Waterborne acrylic/CeO₂ nanocomposites for UV blocking clear coats”, In “Cerium Oxide: Application and Attributes” ed. Sher Bahadan Khan. IntechOpen, London (2018) ISBN: 978-1-78985-024-6
3. M. AGUIRRE, S. HAMZEHLOU, E. GONZALEZ, J.R. LEIZA, “Renewable feedstocks in emulsion polymerization: coating and adhesive applications”, *Advances in Polymer Reaction Engineering*, Volume 57 of the Elsevier series *Advances in Chemical Engineering*, (2020). Chapter 5. pp. 139-186. ISBN: 978-0-12-820645-4

Patents

1. “A Method for Providing Coating Systems With Corrosion-Protective Properties”
J.M. Vega, E. Garcia, S. Chimentì, M. Paulis, J.R. Leiza
EP 18.6056.6 ro-1/ EP18214851/ PCT/EP 2019/052860, EP 3790935, US 17/183,943
- 2.” Method for producing a polymeric composition and polymeric composition thus produced as well as applications thereof, especially as or in pressure-sensitive adhesives”
F. Wenzel, M. Aguirre, J.R. Leiza
PCT/EP 2019/025320; PCT/EP 2019/025338; PCT/EP 2019/081347, PCT/EP 2019/085056, WO 2021/058122, EP 3 980 476
3. “Method for producing a removable pressure-sensitive adhesive (PSA) and pressure-sensitive adhesives thus produced”
A. Badía, M. Barandiaran, J.R. Leiza
PCT/EP 2020/061586, WO2021/164893 A1