
ADDRESS: Departamento de Química, Universidad de Guanajuato.
Noria alta s/n, Guanajuato, Gto. 36050. MEXICO

PHONE: +52 (473) 7320006x1411

FAX: +52 (473) 7320006x8111

CITIZENSHIP: Mexican

EDUCATION:

October 6, 1993 Ph.D. *Macromolecular Science and Engineering*
Case Western Reserve University (USA)
G.P.A. 3.5/4

Jan 21, 1983 M. Sc. *Organic Chemistry*
Centro de Investigación y de Estudios Avanzados del IPN
G.P.A. 3.7/4

June 27, 1980 B.S. *Chemistry*
Universidad Nacional Autónoma de México
G.P.A. 3.5/4.0.

WORK EXPERIENCE:

May 1, 1995 Universidad de Guanajuato. *Professor of Polymer Science*
up to date Solid-state NMR. Liquid crystal polymers, aliphatic
polyesters by biocatalysis, biomaterials, polyimides

May 16, 1986 Celanese Mexicana. *Staff Scientist*, Chemical and Polymer
to Feb. 14, 1995 Division. México City. Synthesis and characterization of low-
molecular weight compounds and polymers (esters, epoxies,
phenol-formaldehyde). FT-IR, UV-Vis, DSC. GC/MS, AA,
Raman, NMR, wet chemistry

November 1, 1993 Hoechst-Celanese RLM Technical Center. *Visiting Scientist*
to July 31, 1994 Applications of Solid-state NMR in the study of polymers
(plastics, fibers and others)

October 1, 1985 Henkel Chemicals. México City.
to May 1, 1986 Synthesis of organic and polymeric compounds. Formulations

June 10, 1984 Centro de Investigación y de Estudios Avanzados del IPN
to June 31, 1985 *Research Associate*

Ph.D. Dissertation (Macromolecular Science): "Studies on
structure and molecular motion of an epoxy/E-glass
composite system". *Diss. Abst. Int. Secc. B* 55(4), Page
XXX-B DA9425506 (October 1994).
M.Sc. Dissertation (Organic Chemistry): "Chemical study of
the dianion of the *p*-phenyl benzyl alcohol: a new indicator in
the titration of alkyl lithiums"

HONORS

University Gold Medal in Chemistry (June, 1980)
Graduate Research Fellowships (2) (1980 and 1991).
Best Researcher in 1989 (Celanese Mexicana. May, 1990)
National Researcher (level 2), Sistema Nacional de Investigadores (1996)
Member of Board Comitee of National Prize of Tecnology (2000, 2001, 2002 y 2003). Consultant CONACYT (RCCT-E00045), from 1999 up to date.

TECHNICAL SPECIALTIES

NMR: Bruker MSL-300 and AC-200, Nicolet NT-150 and Tecmag libra 150. Varian Gemini 200 and Unity *Plus* 300
FT-IR Spectroscopy (Nicolet 730 and Bio-Rad 60)
UV-Vis (HP5452), GS/MS (HP 5970 Mass detector)
DSC (Perkin Elmer DSC-4 and Mettler Toledo 822e)
Computer skills: MS-DOS, Macintosh, Windows XP and software such as Power Point, Microsoft Word, etc.

SOME RECENT PUBLICATIONS:

L. M. Orozco-Castellanos, A. Marcos-Fernández and A. Martínez-Richa, In-vitro degradation of poly(ϵ -caprolactone) with different end groups and of poly(ϵ -caprolactone) caprolactone-co- γ -butyrolactone). Kinetics of hydrocortisone delivery, *Polym. Adv. Tech.*, **22** 4 430-436 (2011)
Antonio Martínez-Richa and Regan Silvestri, NMR Spectroscopy of Multiphase Polymer systems, in Handbook of Multiphase Polymer Systems, Editors A. Boudenne, L. Ibos, Y. Candau and Sabu Thomas, Wiley – Blackwell, 2011, Volume 2, Chapter 13, p. 519-550 (ISBN: 9780470714201)
J. Aguilar, M. Rabelero, S. M. Nuño-Donlucas, E. Mendizábal, A. Martínez-Richa, R.G. López, M. Arellano and J.E. Puig, Narrow size-distribution PMMA nanoparticles made by semicontinuous heterophase polymerization, *J. Appl. Polym. Sci.*, **119** (3), 1827-1834 (2011)
C. Hidalgo, J. D. Etchevers B., A. Martínez-Richa, H.Yee-Madeira, H. A. Calderón, R. Vera-Graziano and F. Matus, Mineralogical characterization of the fine fraction (< 2 μ m) of degraded volcanic soils and *tepetates* in Mexico, *Applied Clay Science*, **49** (4) 348-358 (2010)
K.A. Barrera-Rivera, A. Marcos-Fernández and A. Martínez-Richa, Chemo-Enzymatic Syntheses of Polyester-Urethanes, in H.N. Cheng and R. A. Gross eds., *Green Polymer Chemistry: Biocatalysis and Biomaterials*, ACS Symposium series 1043, Washington DC, **2010**, Chapter 16, p. 227-235
Author or co-author of 109 research and technical reports.
Participation in nine technological developments.
American Chemical Society, Sociedad Química de México
Society for Applied Spectroscopy.
Available upon request

PROFESIONAL AFILIATIONS REFERENCES: