

BIOGRAPHICAL SKETCH

Antonio S. Lara **Assistant Professor**

<u>INSTITUTION AND LOCATION</u>	<u>DEGREE</u>	<u>YEAR(s)</u>	<u>FIELD OF STUDY</u>
New Mexico State University, Las Cruces, NM	B.S.	1972	Math Education Chemistry Minor
New Mexico State University, Las Cruces, NM	M.S.	1977	Organic Chemistry
New Mexico State University, Las Cruces, NM	Ph.D.	1990	Analytical Chemistry
Michigan State University	Post-doc	1991-92	

Professional Experience:

1978-1986 Science Teacher, Gadsden High School
1986-1989 Research Assistant, New Mexico State University, Las Cruces, NM
1989-1990 College Instructor, New Mexico State University, Las Cruces, NM
1990-1991 College Assistant Professor, New Mexico State University, Las Cruces, NM
1992-present Assistant Professor, New Mexico State University, Las Cruces, NM

Honors and Awards:

Outstanding Senior for the College of Education, New Mexico State University, 1972
Phi Kappa Phi National Honorary Fraternity, 1972
Outstanding Science Teacher, State of New Mexico, 1982, by the New Mexico State Academy of Science
Donald C. Roush Award for Teaching excellence, 1996, New Mexico State University

Pertinent Bibliography:

"Gas Chromatographic Retention Properties of Organoammonium Exchanged Montmorillonites. I. Tetraalkylammonium Cations", Journal of Chromatography, 549 (1991) 273-281.

"Gas Chromatographic Retention Properties of Organoammonium Exchanged Montmorillonites. II. $\text{CH}_3\text{N}+\text{H}_3$, $(\text{CH}_3)_4\text{N}^+$, $(\text{CH}_3)_3\text{N}+\text{CH}_2\text{C}_6\text{H}_5$ and 1,4-diazabicyclo[2.2.2]octane-2H⁺" Journal of Chromatography, 549 (1991) 383-95.

"Mechanisms and Capacities of Adsorption by Modified Clays", International J. of Environmentally Conscious Design and Manufacturing, 4 (1995) 47-52.

"Modified Clays for Selective Adsorption", Environmental Issues and Solutions in Petroleum Exploration, Production and Refining, National Technical Information Service, U.S. Springfield, VA 22161, (1995).

"Mechanics of Adsorption onto Clays" presented at the 33rd Annual Meeting of The Clay Mineral Society, June 15-20, 1996 Gatlinburg, Tennessee.

"Selective Catalytic Reduction of NO_x Using a Commercially Viable Catalyst, Layered Clays", acceptable after editors comments are addressed, re-submitted March 2001 to Applied Catalysis B: Environmental

"Build, Test, and Evaluate an Optimized Design of the Marquez Kiln," a Progress Report submitted to Applied Sciences Laboratory, Inc. (DOE), 14 March 2001.

"Characterization of Wood Fed Brick Kiln Effluents in Cd. Juarez, Chih., Mexico," a Progress Report submitted to Applied Sciences Laboratory, Inc. (DOE), 14 March 2001.

"First Measurements of Glorieta Triple Kiln Effluents: Burn of Oct. 6,2000," a Progress Report submitted to Applied Sciences Laboratory, Inc. (DOE), 14 March 2001.