Ernesto M. Hernandez

- Results-driven research leader with proven record of success in product development in foods and nutritional supplements.
- Special skills: R&D Leadership; Project Planning and Execution; Food Engineering Teaching and Training; Outstanding record on R&D in Food and Supplements Products.
- Certifications: Approved Chemist-American Oil Chemist's Society; Project Management and Leadership; GMP for Food and Dietary Supplements; HACCP Systems; R&D Personnel Management.

EDUCATION

1987 Ph.D. Food Engineering. University of Massachusetts, Amherst, MA.
1982 M.S. Food Science and Technology. Oregon State Univ., Corvallis, OR.
1978 B.S. Chemical Engineering. University of Guanajuato, Guanajuato, Mexico.

EXPERIENCE

• Advanced Lipid Consultants, Tomball, TX • Jan 2013 - present.

technicians and student research assistants. Duties include design and supervision of contract and grant research on oilseeds, fats and oils processing and food product development. Organize and edit manuals for practical short courses on: 1) Processing of Vegetable Oils, 2) Advanced Modification of Vegetable oils, 3) Manufacture of non-Trans Margarines and Shortenings, 4) Processing and Products of Specialty Oils. Instructor of courses in the Food Science Department: FSTC 635 Oil and Fat Food Products and FTCS 314 Food Analysis. Supervised dissertations of four graduate students.

• Texas A&M University, College Station, TX • Sept 1992 - Aug 1997

Associate Research Engineer.

Principal Investigator in fats and oils research projects. Duties included procurement and supervision of research contract projects, supervision of fats and oils lab and pilot plant activities. Conduct training courses for industry. Organize and edit manuals for practical short courses.

• USDA Citrus and Subtropical Prod. Lab., Winter Haven, FL • Jan 1991 - Aug 1992

Food Technologist

Duties included the design of processes to obtain value added products from fruits and vegetables. Examples of products developed: New all natural clouding agent for beverages; Edible coatings for packaging technology; Use of ultrafiltration, reverse osmosis and evaporation

BOOKS EDITED

Hernandez, E. and A. Kamal-Eldin (Book editors) 2013. "Processing and Nutrition of Fats and Oils". Wiley-Blackwell Publishing, New York, N.Y.

Hernandez, E and Hosokawa, M. (Book editors). 2011. "Omega 3 Oils: Applications in Functional Foods". AOCS Press, Urbana, IL.

SELECTED PUBLICATIONS

Hernandez, E. 2020. Pharmaceutical and Cosmetic Use of Lipids. Chapter in "Bailey's Industrial Oils and Fat Products" (F. Shahidi. editor). John Wiley & Sons, Inc., New York, NY.

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Hernandez, E. 2013. *Enrichment of baked goods with omega-3 fatty acids*. Chapter in "Food enrichment with omega-3 fatty acids" Jacobsen, C., Nielsen, N.S., Horn, A.F., and Sørensen, A.D.M. (Editors), Woodhead Publishing, Cambridge, England.

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Quezada, N. and Hernandez, E. 2011. *Synthesis and Properties of Structured Lipids with Omega 3s*. Chapter in "Omega 3 Oils: Applications in Functional Foods." (Hernandez and Hosokawa, editors), AOCS Press, Urbana, II.

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