

CURRICULUM VITAE

Karim N. Jallad, Ph. D.

EDUCATION

Purdue University, West Lafayette, IN 47906.

Doctorate of Philosophy in Analytical Chemistry (1996 to 2001):

Thesis Title: Materials Analysis Using Chemical Imaging.

Mississippi State University, Mississippi State, MS 39762.

Master's Degree in Analytical Chemistry (1993-1995):

Thesis Title: Amine Promoted- Metal Enhanced Dehalogenation of Chlorinated Compounds under High Temperature Conditions.

American University of Beirut

3 Dag Hammarskjold Plaza, 8th Floor, New York, NY 10017

Bachelor of Science Degree in Chemistry (1989-1992).

PROFESSIONAL BACKGROUND

September 2017 – Present

Professor of Chemistry

American University of Kuwait

Safat, Kuwait 13034

September 2011 – August 2017

Associate Professor of Chemistry

American University of Kuwait

Safat, Kuwait 13034

September 2006 – August 2011

Assistant Professor of Chemistry

American University of Kuwait

Safat, Kuwait 13034

September 2005 – August 2006

January 2003 – August 2003

Optical Therapeutic Technologies, Inc.

West Lafayette, IN 47996

President (Co-Owner; Co-Founder) / Director of Product Evaluation

Company acquired by Endocyte, Inc. West Lafayette, IN 47905 on November 01, 2007

September 2003 – August 2005

Assistant Professor of Analytical Chemistry

American University of Sharjah

Sharjah, United Arab Emirates

December 2001 – December 2002

Purdue University, West Lafayette, IN 47906.

Post-Doctoral Research Associate

GRANTS

Principal Investigator on a funded (\$ 97,980.00) Phase I NIH-NCI (*National Institute of Health – National Cancer Institute*) SBIR (Small Business Innovation Research Program – 1 R43 CA 095935 – 01A2 under PAR-10-102 Development of Novel Technologies for In-Vivo Imaging) project entitled “In-Vivo Imaging of Chemically Targeted Tumor Tissue” at Optical Therapeutic Technologies, Inc. West Lafayette, IN 47996 (2003).

Indiana 21st Century Research and Technology Fund, SBIR/STTR Matching Funds (\$ 100,600.00), “In-Vivo Imaging of Chemically Targeted Tumor Tissue”, Optical Therapeutic Technologies, Inc. West Lafayette, IN 47996 (2004).

American University of Sharjah research seed grant award (9000.00 Dhs/ \$2500.00), “Determination of Methyl mercury and Chloramphenicol in Biological Materials; Method Development” (2004).

Principal Investigator on a funded (\$ 92,775.00) Phase I NSF (*National Science Foundation*) SBIR (Small Business Innovation Research Program –OII 0610916 under NSF 05-605 Biotechnology Program) project entitled “Fluorescent Endoscopic Imaging of Ovarian Tumor Tissue” at Optical Therapeutic Technologies, Inc. West Lafayette, IN 47996 (2006).

American University of Kuwait professional development grant award (1000.000 K.D. / \$3500.00) (2006).

American University of Kuwait research initiation grant award (500.000 K.D. / \$1750.00), “Measurement of Ozone Levels in the Salmiyah Area, Kuwait,” (2007).

American University of Kuwait professional development grant award (1000.000 K.D. / \$3500.00) (2007).

American University of Kuwait research completion grant award (500.000 K.D. / \$1750.00), “Measurement of Criteria Air Pollutants in a Residential Area of Kuwait,” (2008).

American University of Kuwait professional development grant award (905.000 K.D. / \$3100.00) (2009).

American University of Kuwait research initiation grant award (500.000 K.D. / \$1700.00), “Water Quality Analysis in a Residential Area of Kuwait,” (2009).

American University of Kuwait professional development grant award (1000.000 K.D. / \$3450.00) (2010).

American University of Kuwait research initiation grant award (150.000 K.D. / \$500.00) (2010).

American University of Kuwait research initiation grant award entitled, “Radioactive Analysis of Geological Materials Collected from Kuwait – I”, (500.000 K.D. / \$1800.00) (2011).

American University of Kuwait research completion grant award entitled, “Radioactive Analysis of Geological Materials Collected from Kuwait – II”, (500.000 K.D. / \$1800.00) (2012).

American University of Kuwait research grant award entitled, “Determination of Heavy Metal Concentrations in Rice Samples,” (500.000 K.D. / \$ 1800.00) (2013).

American University of Kuwait research grant entitled, “Determination of Heavy Metal Concentrations in Hair Samples,” (500.000 K.D. / \$ 1800.00) (2014).

American University of Kuwait research grant entitled, “The Dangers of Vinyl Products to Children,” (500.000 K.D. / \$ 1800.00) (2014).

CONFERENCE PRESENTATIONS

I-TALKS

“Raman Imaging of Advanced Solid Lubricant Coatings,” Presenter: *Karim N. Jallad*, Co-author: D. Ben-Amotz, *The Federation of Analytical Chemistry and Spectroscopy Society Annual Meeting*, September 24-28, 2000, Opryland Hotel Convention Center, Nashville, Tennessee.

“Raman Imaging Hardware Optimization,” Presenter: A. Gift, Co-authors: B. McClain, D. Zhang, *Karim N. Jallad*, D. Ben-Amotz, *The Federation of Analytical Chemistry and Spectroscopy Society Annual Meeting*, September 24-28, 2000, Opryland Hotel Convention Center, Nashville, Tennessee.

“Raman Chemical Imaging of Tribological Surfaces” (Invited Paper), Presenter: *Karim N. Jallad*, Co-Authors: A. Erdmir and D. Ben-Amotz, *The Society of Tribologists and Lubrication Engineers 2001, 56th Annual Meeting*, May 20-24 2001, Orlando, Florida.

“Hyper-Spectral Chemical Imaging Hardware and Software: Theory and Application,” Presenter: Dor Ben-Amotz, Co-Authors: *Karim N. Jallad*, Dongmao Zhang, Jennette Hanna, and Brian Taylor, *Air Force Office of Scientific Research/Office of Naval Research/National Science Foundation Tribology Program Review*, June 4-8 2001, Hawk’s Cay Resort and Marina, Mile Marker 61, Duck Key, Florida.

“Enhanced Cancer Imaging Using Folate Targeted Fluorescence,” Presenter: Dor Ben-Amotz, Co-Authors: *Karim N. Jallad*, Michael D. Kennedy, Philip S. Low, and David H. Thompson, *The Federation of Analytical Chemistry and Spectroscopy Society Annual Meeting*, October 7-12, 2001, COBO Conference/Exhibition Center, Detroit, Michigan.

“Water Quality Analysis in a Residential Area of Kuwait”, Presenter: *Karim N. Jallad*, Co-Author:

Cyntia Espada-Jallad, *World Environmental and Water Resources Congress, Challenges of Change*, May 17, 2010, sponsored by the Environmental and Water Resources Institute of the American Society of Civil Engineers, Providence, Rhode Island.

II- POSTERS

“Enhancement of Chemical Information in Raman Images,” D. Ben- Amotz, D. Zhang, *Karim N. Jallad, The Federation of Analytical Chemistry and Spectroscopy Society Annual Meeting*, September 24-28, 2000 Opryland Hotel Convention Center, Nashville, Tennessee.

“Fast Chemical Imaging,” B.L. McClain, H.G. Hedderich, A.D. Gift, D. Zhang, *Karim N. Jallad, K.S. Haber, J. Ma and D. Ben-Amotz, Gordon Conference, Vibrational Spectroscopy and Molecular Dynamics*, August 6-11, 2000, Salve Regina University, Newport, Rhode Island.

“Applications of the Near-Infrared Raman Imaging Microscopy,” *Karim N. Jallad* and D. Ben-Amotz, *Interdisciplinary Aspects of Materials Research at Purdue sponsored by The Purdue Materials Consortium (MatCon)*, February 23, 2001, Purdue University, Stewart Center 306, West Lafayette, Indiana.

“Folate Conjugate Fluorescence Labeling for Tumor Localization,” K. J. Webb, A. B. Milstein, M. D. Kennedy, *Karim N. Jallad, C. A. Bouman, D. Ben-Amotz, and P. S. Low*, September 16-17 2002, *National Institute of Health Workshop on In-Vivo Optical Imaging*, Bethesda, Maryland.

“Characterization of a Hazardous Eyeliner (Kohl) by Confocal Raman Microscopy,” *Karim N. Jallad* and H. G. Heddrich, *The Federation of Analytical Chemistry and Spectroscopy Society 32nd Annual Meeting / The International Conference on Analytical Sciences and Spectroscopy 51st Annual Meeting*, October 9-13, 2005, Quebec City Convention Center, Quebec City, Canada.

“Lead and Traditional Middle Eastern Pharmacopeia,” *Karim N. Jallad, 57th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, March 12-17, 2006, Orange County Convention Center, Orlando, Florida.

“Amine Promoted-Metal Enhanced Degradation of Mirex under High Temperature Conditions,” *Karim N. Jallad, 58th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, February 25 – March 2, 2007, McCormick Place, Chicago, Illinois.

“Measurement of Ozone Levels in a Residential Area of Kuwait,” *Karim N. Jallad, 59th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, March 2 – March 7, 2008, Ernest N. Morial Convention Center, New Orleans, Louisiana.

“Measurement of Criteria Air Pollutants in a Residential Area of Kuwait,” *Karim N. Jallad, 237th American Chemical Society National Meeting and Exposition*, March 22 – 26, 2009, Salt Palace Convention Center, Salt Lake City, Utah.

PROFESSIONAL AND TECHNICAL SOCIETIES

Member of the American Chemical Society (2000 - present).

Member of the Society for Applied Spectroscopy (2000 - present).

Member of the Society of Tribologists and Lubrication Engineers (2000 - present).

Member of the Division of Environmental Chemistry (American Chemical Society) (2009 – present).