

Curriculum Vitae

Mohamad Shara, PharmD., M.Sc., Ph.D., FACN.

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Personal:

Married, 2 children

Date of Birth: September 1, 1955

Jordan University of Science & Technology (currently on leave from JUST)

Department of Clinical Pharmacy

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Education:

1990 Ph.D., Pharmacology & Toxicology, Univ. of Nebraska Medical Center, Omaha, NE. USA

1985 Pharm.D., (*Distinction*), University of Nebraska Medical Center, Omaha, NE. USA

1985 M.S., Biomedical Chemistry, University of Nebraska Medical Center, Omaha, NE. USA

1981 B.S., Pharmacy, (*Cum Laude*) Texas Southern University, Houston, TX. USA

Fellowships: Fellow of the American College of Nutrition (2008-current)

Expertise:

Professional: Clinical pharmacy education and clinical pharmacy practice. Over 25 years of experience in clinical pharmacy practice and clinical pharmacy education. Training clinical pharmacists in PGY1 residency programs. Training pharmacists in comprehensive intravenous admixture program including aseptic technique, sterile pharmacy products batch preparation, total parenteral nutrition (TPN) compounding for adults and neonates. ASHP 797 compliance compounding as well as pediatric and neonatal oral syringe dose preparation.

Academic: Clinical management of chronic non-communicable diseases. Nutrition and health management through nutritional intervention. Nutraceutical clinical research in chronic diseases management.

Distance teaching (online) education: participated in the launch of the first distance (online) administered doctor of pharmacy program in the united states in 2001. This innovative program allowed a 55-student class the opportunity to matriculate through the 4 year doctor of pharmacy program running in parallel to the 110 on campus group. The laboratory portion of the identical curriculum was conducted during a condensed summer session affording the distance program students the same skills development experience as on campus students.

Fields of Interest:

Teaching:

Clinical: Experiential Training (clinical rotations), Inpatient pharmaceutical care (internal medicine), Cardiology (heart failure multidisciplinary team, pharmacist-managed coagulation clinic), academic rotation, research rotation.

Didactic: Pharmacotherapy, Pharmacology, Toxicology, Pharmacy Calculations, Pharmacy Dispensing & Pharmaceutical Care.

Research:

Clinical Research:

Clinical trials/ studies: Hypertension and dyslipidemia treatment failure/ inadequate control, management of osteoarthritis pain in patients with concomitant cardiovascular disease, Prevention of post-operative atrial fibrillation. Evaluation of magnesium supplementation on the incidence of post-operative atrial fibrillation in Coronary Artery Bypass Graft (CABG) surgery; Adaptogens' effects on stress parameters; Cardiovascular safety evaluation of ephedra-free (p-synephrine) weight-loss supplement. Nutraceuticals safety and efficacy studies: Assessment of safety and efficacy of p-synephrine (*Citrus Aurantium*).

Pharmaceutical companies phase III trials (Losartan, Irbesartan, Tombrinone, Dronedarone)

Basic Science Research: hydroxycitric acid, chromium polynicotinate on body weight, food intake, oxidative stress and appetite suppression. Toxicology: Evaluation of the effects of environmental pollutants (2,3,7,8-TCDD/derivatives and chlorinated biphenyls).

Professional Employment:

Feb 2010 - Current Associate professor of Clinical Pharmacy, Jordan University of Science and Technology. (currently on leave from JUST)

2014 - 2010, King Abdullah University Hospital and Clinics - Chair of Clinical Pharmacy department at King Abdulla University Hospital.

2015 - 2016, Deanship of Research, Vice Dean.

2010 -2014. Jordan University of Science & Technology. Clinical Pharmacy, Vice Dean.

2010 - Current. Adjunct associate professor of pharmacy, Creighton University, Omaha, NE. USA.

2006-2010, Associate professor of clinical Pharmacy. Creighton University.
1994 – 2005: Assistant professor of Clinical Pharmacy. Creighton University School of Pharmacy and Health Professions, Omaha, Nebraska. USA.
Department of Pharmacy Practice, 1994-2000
Department of Pharmacy Science, 2001-2009
1992/93 Adjunct Assistant Professor and clinical preceptor, Creighton University School of Pharmacy and Allied Health Professions and Clinical Oncology Service, Bergan Mercy Medical Center, Omaha, NE

1990-1991 Assistant professor, faculty of pharmacy, Jordan University of Science and Technology

1987-2009, Part-time Clinical Pharmacist. Bergan Mercy Medical Center Inpatient Pharmacy, Omaha, NE

1981-1983 Staff Pharmacist, Spring Branch Memorial Hospital, Houston, TX

1978-1981 Pharmacy intern (HOUSTON, Texas). St. Luke's Episcopal Hospital and Spring Branch Memorial Hospital.

Consultantships and Professional Services:

1999-2000 Tikosyn use and safety educator, Pfizer Inc.
1995-1997 Management of Neuromuscular Blockade, Glaxo Wellcome
1994-1996 Dyslipidemia Management, Merck Co.

Organizations memberships

American College of Nutrition- (Elected Fellow-2008)	2007- present
American Heart Association	2011- present
American Association of Pharmaceutical Scientists (AAPS)	2005-2009
Society of Toxicology (SOT)	1985-2009
American Association of Colleges of Pharmacy (AACCP)	1994 - 2010
Association for Research in Vision and Ophthalmology (ARVO)	2001- 2003
American Society of Health-System Pharmacists (ASHP)	1995-1997
American Association of Clinical Pharmacy (ACCP)	1994-2000

Fellowships and Honors

American College of Nutrition- Fellowship, Nominated and awarded fellowship 2008.
Academic Development and Technology Center (ADATC), eFellowship training, online (distance education), web-based delivery for Doctor of Pharmacy education Creighton University, 2006-2007.
Blanche-Widamen Fellowship UNMC (1986-1987, 1987-1988)
Regents Tuition Fellowship, UNMC (1986, 1987, 1988)
Rho Chi Pharmacy Honor Society.

Awards and Prizes

Creighton University:

School of Pharmacy and Health professions: Outstanding educator of the year award 2008.

School of Pharmacy and Health professions: Outstanding educator of the year award 2007.

Omicron Delta Kappa, finalist, "Teaching for Tomorrow" leadership award, 2006.

Society of Toxicology: Top 10 Finalists in the TCDD Toxicity/Mechanism Section, Society of Toxicology annual meeting, Atlanta (February 1989)

Dr. Joseph Noah Travel Award (1987)

Sigma Xi Grants-in-Aid of Research Award National Chapter (1987)

University of Nebraska Medical Center:

Biomedical Chemistry Award, University of Nebraska Medical Center (1985)

Merck Award, University of Nebraska Medical Center (1985)

Outstanding Scholastic Achievement Award, Texas Southern University (1981)

Bergen memorial Senior Pharmacy Student Award. Texas Southern University (1981)

McNeil Award – Outstanding Junior Pharmacy Student award Texas Southern University (1980)

Teaching and Scholarship

Teaching Experience

Jordan University of Science & technology:

Clinical Rotations:

Clinical Training for Doctor of Pharmacy Students: Restructuring, organization and implementation of current US standards in Clinical Pharmacy rotational experience.

Rotations: Critical Care, Cardiology, Internal Medicine I/II, Psychiatry-Neurology, Surgery and Pediatrics.

Didactic:

PharmD/BS: PHAR 446, PHAR 542, PHAR 548, PHAR 564, PHAR 667

Master's: PHAR 741, PHAR 742, PHAR 744, PHAR

Creighton University:

Courses:

PHA 476 Principles of Toxicology (elective). Instructor of record, distance course (online).

Grants & Contracts Funded and Submitted:

Evaluation of risk factors associated with uncontrolled Type 2 DM in Jordanians (Funded, Deanship of research, MS Thesis) 2015-2018.

Evaluation of the relationship between white bread consumption, overweight, obesity, and metabolic syndrome in the Jordanian population, JD 915 (funded, Deanship of research, MS thesis) August-2015-Current

Risk factors for Hypertension Treatment Failure or Inadequate Control in the Jordanian population. JD 9750 (funded, Deanship of research, MS thesis), JUST-2013-2015

Risk factors for Dyslipidemia Treatment Failure or Inadequate Control in the Jordanian population. JD 9750 (funded, Deanship of research, MS thesis), JUST-2013-2015

Management of Osteoarthritis Pain in patients with concomitant Cardiovascular Disease. JD 333 (funded, Deanship of research, MS thesis). 2012-2015.

Evaluating patient compliance with anti-platelet drugs after primary percutaneous coronary intervention and the impact of clinical pharmacist intervention. JD 235, (funded, Deanship of research, MS thesis)), JUST-2012-2014

Impact of Magnesium and Optimal Serum Potassium concentration in Prevention of Post Operative Atrial Fibrillation in Patients Undergoing Coronary Artery Bypass Graft Surgery. JD 9980 (funded, Deanship of research, MS thesis), JUST Graduate studies, January 2011-August 2012.

Safety and efficacy evaluation of standardized *Citrus Aurantium* extract (p-synephrine) in healthy volunteers. Nutratch Inc. \$128,000 (Submitted), Principal Investigator. March 2009-Feb-2010.

Safety evaluation of Ephedra-free (*Citrus Aurantium*) dietary supplement in Healthy volunteers. Health Futures Foundation, Creighton University. \$32,850 (funded), Principal Investigator. July, 2008-June, 2009.

Long term safety and efficacy of hydroxycitric acid (HCA) in male and female rats. InterHealth Nutraceuticals. \$90,000 (funded), Principal Investigator. January 1, 2007-December, 2008

Effects of daily ingestion of one ounce of A-Supreme's stress (adaptogen) supplement for four weeks. AdvoCare International. \$30,000 (funded), Principal Investigator. July 2007-March, 2008

Safety and efficacy of two ingredients, chromium polynicotinate (CrN) and (-)-hydroxycitric acid (HCA) found in popular weight-loss products. InterHealth Nutraceuticals. \$96,696 (Funded), Principal Investigator. January 23, 2005-December 30, 2006

Thirty, 60 and 90 day Safety and effects of Chromium polynicotinate in rats. InterHealth Nutraceuticals. \$60,000 (Funded), Principal Investigator. September 2003-December 2004.

Effect of isoprostanes on retinal transmitter release. NIH AREA grant, \$142,000 (Funded), Co-Investigator. April 2003-April 2005

The role of cannabinoids in regulating uveal neurotransmission. PhRMA Foundation \$60,000 (Submitted), Principal Investigator. January 2003-December 2004.

Regulation of sympathetic neurotransmission by cannabinoids in the anterior uvea. Health futures foundation faculty development grant (HFF) \$20,000 (Submitted), Principal Investigator. July 1, 2002-June 30, 2003.

Effects of tobacco phenolics on cytokine production. Cancer and smoking diseases research program (LB595). Faculty development grant \$40,000 (submitted), Co-Investigator. November 1, 2002-October 30, 2004

Cannabinoids and Uveal Sympathetic Neurotransmission. NIH AREA grant, \$142,000 (Submitted), Principal Investigator. December 2001-November 30, 2004.

Chronic Safety study of a unique Hydroxycitric Acid extract in rats and its Effects on rat brain cortex serotonin levels compared to fluoxetine *in Vivo*. InterHealth Nutraceuticals. \$40,400 (Funded), Co-Investigator. November, 2001-July 2002

The effect of Activin (proanthocyanidine) on Naphthalene induced cataracts in rats. \$18,257 (Funded), Co-Investigator. July 2001-December 2001

Lipid Tracking Utilizing Lipid Goal Manager software at Alegent Health Heart Institute. Pfizer. \$5000 (Funded), Principal Investigator. January 2000-January 2001.

Surveillance of bacterial susceptibilities of intensive care unit (ICU) patients' blood and sputum isolates. Merck's infectious disease division \$1650 (Funded), Site-principal investigator. co-investigator. December 1999-December 2000.

Clinical Trials: 1994-2000

1. Phase III (Pharmaceutical industry)

Prospective Randomized Amlodipine Survival Evaluation. Through DUCCS: PRAISE-2-
Pfizer

Role: *Co-investigator*

Losartan Diabetic Nephropathy: Double-Blind, Randomized, Placebo-Controlled Study to Evaluate the Renal Protective Effects of Losartan in Patients With Non-Insulin Dependent Diabetes Mellitus and Nephropathy-Merck.

Role: *Co-investigator*

Multicenter, Randomized Study of the Acute and Long-Term Hemodynamic Effects and Safety of the Angiotensin II Receptor Antagonist Irbesartan [SR 47436(BMS-186295)] In the Treatment of Heart Failure- Bristol-Meyer Squibb.

Role: *Sub-investigator*

ACT 2401 Study of the Safety and Pharmacodynamic Effects of SR 33589B Administered Orally for One Month to Patients with Left Ventricular Dysfunction. Sanofi-Winthrop.
Role: *Co-investigator*

OPC-18790, Phase III Double Blind-Titration Study of the Comparative Efficacy and Safety of OPC-18790 and Primacor for the Treatment of Patients with Heart Failure. Otsuka Pharmaceutical Phase III. Role: *Co-investigator*

2. Clinical trials/studies: Teaching site, Hospital.

Implementation of Clinical Pharmacy Services at a University Hospital (KAUH) in Jordan.
Role: *Co-Principal investigator*

The Impact of Glucose-Insulin-Potassium (GIK) on Post-Operative Atrial Fibrillation.
Open enrollment trial for 1 year. Immanuel Medical Center ICU.
Role: *Co-Principal investigator*

The Impact of Magnesium on Post-Operative (CABG) Atrial Fibrillation.
Open enrollment trial for 1 year. Immanuel Medical Center
Role: *Principal investigator*

Publications and Presentations

Journal Articles – Peer Reviewed

Stohs, SJ, Shara M, Ray SD, p-Syneprine, ephedrine, p-octopamine and m-syneprine: Comparative mechanistic, physiological and pharmacological properties. *Phytother Res.* In print, Accepted Feb 4, 2020. DOI: 10.1002/ptr.6649

Shara M, Stohs SJ, Smadi MM, Safety evaluation of p-syneprine following 15 days of oral administration to healthy subjects: A clinical study. *Phytother Res.* 32(1):125-131, 2018.

Shara M, Kakish E, Stohs SJ, Effects of an Adaptogen-Based Supplement on Stress Parameters in Healthy Volunteers. *Int J of Complement & Alt Med.* 10(1): 321-326, 2017.

Shara M, Stohs SJ, Mukattash TL, Cardiovascular Safety of Oral p-Syneprine (Bitter Orange) in Healthy Subjects: A Randomized Placebo-Controlled Cross-over Clinical Trial. *Phytother Res.* 30(5):842-84, 2016.

Mukattash TL, alzoubi KH, Abuelrub E, Jarab A, Shara M, Al-Azzam S; Khdour M, Al Hamarneh, Y. Prevalence of non-adherence among psychiatric patients in Jordan, a cross sectional study. *International Journal of Pharmacy Practice*, 2016 Jan 25. doi: 10.1111/ijpp.12239

Shara M, Stohs SJ, Efficacy and Safety of White Willow Bark (*Salix alba*) Extracts. *Phytother Res.* 29(8):1112-6, 2015.

Mukattash TL, Nuseir KQ, Jarab AS, Alzoubi KH, Al-Azzam SI, Shara M. Sources of information used when prescribing for children, a survey of hospital based pediatricians. *Curr Clin Pharmacol.*;9(4):395-8, 2014.

Azam S, Shara M, Zoubi, K, Mahasneh F, Implementation of Clinical Pharmacy Services at a University Hospital. *International Journal of Pharmacy Practice*, Oct: 21(5):337-40, 2013.

Mukattash TL, Shara M, Jarab AS, Al-Azzam SI, Almaaytah A, Al Hamarneh YN, "Public knowledge and awareness of cardiovascular disease and its risk factors; a cross sectional study of 1000 Jordanians.," *International Journal of Pharmacy Practice*, vol. 1, no. 1, pp. 1-2, 2012

Stohs SJ, Preuss HG, Shara M. A Review of the Human Clinical Studies Involving *Citrus aurantium* (Bitter Orange) Extract and its Primary Protoalkaloid p-Syneprine. *Int J Med Sci.* 9(7):527-538, 2012.

Stohs SJ, Preuss HG, Shara M. The safety of *Citrus aurantium* (bitter orange) and its primary protoalkaloid p-syneprine. *Phytother Res.* 25(10):1421-1428, 2011.

Stohs SJ, Preuss HG, Shara M. A review of the receptor-binding properties of p-syneprine as related to its pharmacological effects. *Oxid Med Cell Long* 2011:1-9, 2011.

Stohs SJ, Shara M, Preuss HG. Issues associated with the case report entitled "hypertensive urgency associated with Xenadrine EFX use". *J Pharm Pract.* 24(6):577-979, 2011.

Berg, K., Chatterjee, A., Yasmin, T., Shara., M. And Bagchi, D. Cytokine expression due to *Helicobacter Pylori* in tissue culture model. *Mol Cell Biochem.* 300:171-175, 2007.

Shara, M., Kincaid, A., Limpach, A., Sandstrom, R., Barrett, B., Norton N., Bramble JD, Yasmin T., Tran J., Chatterjee A., Bagchi M., and Bagchi D. Long-term safety evaluation of a novel oxygen-coordinated niacin-bound chromium (III) complex. *Journal of Inorganic Biochemistry.* 101(7):1059-1069, 2007.

Shara, M., Maulik, N., Bagchi, D. and Bagchi, M., Safety and efficacy of a proprietary Energy Formula™ in Sprague-Dawley rats. *Toxicology Mechanisms and Methods.* 16:439-453, 2006.

Thirunavukkarasu, M., Penumathsa, S.V., Juhasz, B., Zhan, L., Bagchi, M., Yasmin, T. Shara, M. Thatte, H.S. Bagchi, D. and Maulik. N. Enhanced cardiovascular function and energy level by a novel chromium (III) supplement. *Biofactors.* 27:53-67, 2006

Kulkarni, K., Opere, C., LeDay, A., Shara, M and Ohia. S. Regulation of norepinephrine release from isolated bovine irides by histamine. *Neurochemistry Research.* 31:891-987, 2006

Shara, M., Yasmin, T., Kincaid, Limpach, A., Bartz, J., Brennehan, K., Chatterjee, A., Bagchi, M., Stohs, S. and Bagchi, D. Safety and Toxicological Evaluation of a Novel Niacin-Bound Chromium (III) Complex. *Journal of Inorganic Biochemistry*. 99(11): 2161-2183, 2005.

Downs, B., M. Bagchi, M., G. Subbaraju, G., Shara, M., Preuss, H., and D. Bagchi, D. Bioefficacy of a novel calcium-potassium salt of (-)-hydroxycitric acid. *Mutation Research*, special issue. 579: 149-162, 2005.

Shara, M., S. Ohia, S., R. Schmidt, R., T. Yasmin, T., A. Zardetto-Smith, A., A. Kincaid, A., M. Bagchi, M., A. Chatterjee, A., D. Bagchi, D., and S. Stohs. Physico-chemical properties of a novel (-)-hydroxycitric acid extract and its effect on body weight, selected organ weights, hepatic lipid peroxidation and DNA fragmentation, hematology and clinical chemistry, and histopathological changes over a period of 90 days. *Mol Cell Biochem* 260:171-176, 2004.

Shara, M., Ohia, S., Yasmin, T., Zardetto-Smith, A., Kincaid, A., Bagchi, M., Chatterjee, A., Bagchi, D., and S. Stohs. Dose- and time-dependent effects of a novel hydroxycitric acid extract on body weight, hepatic and testicular lipid peroxidation, DNA fragmentation and histopathological data over a period of 90 days. *Mol Cell Biochem* 254:339-346, 2003.

Garis, R., Shara, M., Farmer K., Horrell, J. and Arora, M. The cost of Diabetes in the Presence of Comorbid Conditions. *Managed Care Interface* 14(4):48-55, 2002.

Alsharif, N., Shara, M. and Roche, V. The Structurally-Based Therapeutic Evaluation (SBTE) Concept: An Opportunity for Curriculum Integration and Interdisciplinary Teaching. *American Journal of Pharmaceutical Education* 65(4):314-323, 2001.

Hilleman, D., and Shara, M., Advances in The Use of Thrombolytic Therapy in Acute Myocardial Infraction. *US Pharmacist* 23(4):41-50, 1998.

Bagchi, D., Shara, M., Bagchi, M., Hassoun, E., Stohs, S. Time-Dependent Effects of 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin on Serum and Urine Levels of Malondialdehyde, Formaldehyde, Acetaldehyde, and Acetone in Rats. *Toxicol Appl Pharmacol* 123:83-88, 1993.

Shara, M., Dickson, P., Stohs, S. Excretion of Malondialdehyde, Formaldehyde, Acetaldehyde and Acetone in the Urine of Rats in Response to 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin, Paraquat, Endrin and Carbon Tetrachloride. *J. Chromatog* 576:221-233, 1992.

Stohs, S., Alsharif, N., Shara, M., Al-Bayati, Z., Wahba, Z. Evidence for the Induction of an Oxidative Stress in Rat Hepatic Mitochondria by 2, 3, 7, 8-TCDD in Biological Reactive Intermediates. IV, pp 827-831., Ed. C.M. Witmer et al., Plenum Press, NY, 1990.

Stohs, S., Shara, M., Alsharif, N., Wahba, Z., Al-Bayati, Z. 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin Induced Oxidative Stress in Female Rats. *Toxicol Appl Pharmacol* 106:126-135, 1990.

Goel, M., Shara, M., Stohs, S. Induction of Lipid Peroxidation by Hexachlorocyclohexane, Dieldrin, TCDD, Carbon Tetrachloride, and Hexachlorobenzene in Rats. *Bull Environ Contam Toxicol* 40:255-262, 1988.

Al-Turk, W., Shara, M. and , Stohs, S. Dietary Iron and TCDD-Induced Alterations in Hepatic Lipid Peroxidation and Glutathione Content in Rats. *Drug & Chemical Toxicol* 11(1):55-70, 1988.

Shara, M., Stohs, S. Biochemical and Toxicological Effects of 2, 3,7, 8-Tetrachlorodibenzo-p-dioxin Congeners in Female Rats. *Arch Environ Toxicol Contam & Toxicol* 16:599-605, 1987.

Book Chapters:

Stohs, S and Shara, M, Review of the Safety and Efficacy of *Citrus Aurantirum* in weight Management. In: Obesity: Epidemiology Pathophysiology and Prevention. Edited by Debasis Bagchi and Harry G. Preuss. Boca Raton, FL, CRC Press, 2007.

Stohs SJ, Shara M. Review of the safety and efficacy of *Citrus aurantium* and Its Primary Protoalkaloid, *p*-Synephrine, in weight management. In: Bagchi D, Preuss HG, editors.. Boca Raton, FL, USA: CRC Press. 535-554, 2012.

Presentations—Academic

Shara M, Zayadeen S. Risk Factors Associated With Uncontrolled Hypertension in Low Income Jordanians. American Heart Association: Hypertension, Accepted for Presentation at the Annual American Heart Association (AHA/Hypertension meeting) Meeting. Chicago, USA, 2018, September 6-9, 2018.

Shara M, Almoqbel H. The impact of specialized clinical pharmacist counselling on medication adherence and ischemic heart disease symptoms in post per-cutaneous angioplasty patients. Accepted for presentation at American Association of Pharmaceuticals Scientists, Annual meeting. San Diego, USA, Nov. 12-15, 2017.

Shara M, Aljamal H, Mukattash T. The effect of white bread consumption on obesity and waist circumference in Jordan. Accepted for Oral Presentation at the American College of Nutrition 57th Annual meeting. San Diego, USA, Nov 9-11, 2016.

Shara M, Bashaireh, K and Hammouri, D Evaluation of Medication and Dietary Counselling on Pain and Functionality of Osteoarthritis Patients with Concomitant Cardiovascular Disease. Accepted for Oral presentation at the 56th Annual Conference for The American College of nutrition. Orlando, Florida, USA November 12, 2015.

Shara M, Otoom, M and Fayez, M. Co-administration of Magnesium and Serum Potassium Optimization Reduces Post Coronary Artery Bypass Graft Surgery Atrial Fibrillation Incidence. Accepted for Presentation at the American Heart Association (AHA) Annual Meeting. Los Angeles, USA, November 3-7, 2012.

Shara M, Stohs SJ. Safety evaluation of bitter orange extract (*p*-synephrine) in healthy volunteers. Presented at the annual meeting of the American College of Nutrition. Abstract No. 16. *J Amer Coll Nutr*; 30:358, 2012. 52nd Annual Meeting of the American College of Nutrition. Morristown, NJ, USA. November 16-19, 2011.

Shara, M., Stohs S and Kakish E. Effects of an adaptogen based supplement on stress parameters in health volunteers. 49th Annual Meeting of the American College of Nutrition. Washington, DC, October, 2008.

Shara, M., Augustine, S and Siracuse, M. Predictors of success in pharmacy calculations: Comparison of students enrolled in campus and distance pathways. Annual Meeting of the American Association of College of Pharmacy education, Chicago, Ill, July, 2008.

Shara, M. Metabolic syndrome. Institute of food Technologists annual meeting and exposition. Chicago, Illinois, July, 2007

Shara, M., Yasmin, T., Bagchi, D, and Bagchi, M. Genetic toxicology assessment of a novel oxygen-coordinated niacin-bound chromium (III) (NBC) complex. Society of Toxicology 46th Annual Meeting, Charlotte, North Carolina, March, 2007.

Shara, M., Kincaid, A., Limpach, A., Sandstrom, R and Bagchi, D. Long term safety and toxicological evaluation of novel niacin-bound chromium. Society of Toxicology 45th Annual Meeting, San Diego, California, March, 2006.

Shara, M., Bagchi, M, Yasmin, T., Chatterjee, A., and Bagchi, D. "Safety and Toxicological Evaluation of Niacin-Bound Chromium". Poster presentation, Society of Toxicology 44th Annual Meeting, New Orleans, Louisiana, March, 2005.

Bagchi, M., Shara, M., Yasmin, T., Preuss, H., and D. Bagchi. Efficacy and toxicological evaluation of a novel Niacin-bound chromium in ameliorating metabolic disorders. 10TH world congress on clinical nutrition. Phuket, Thailand. November 30-December 3, 2004.

Yasmin, T., Shara, M., Bagchi, M., Preuss, H., and Bagchi D., Toxicological assessment of a novel niacin-bound chromium known to ameliorate the symptoms of metabolic disorders. Poster presentation at the 5th annual meeting of the American college of nutrition. Long beach, CA. September 30 – October 3, 2004.

Bagchi, M., Preuss, H., Talpur, N., Echard, B, Shara, M and D. Bagchi, D. Safety and Efficacy of a Novel Niacin-Bound Chromium in Ameliorating Metabolic Disorders. Poster presentation, FASEB – Experimental Biology, Washington DC, April 2004.

Bagchi, D., Shara, M., Ohia, S., T. Yasmin, T., Bagchi, M., and Chatterjee, A.. Safety studies on novel natural extract of (-)-hydroxycitric acid, a supplement for weight management. Poster presentation. Society of Toxicology 43rd Annual meeting, Baltimore, Maryland, March 2004.

Shara, M., Stohs, S., Bagchi, D and Ohia, S. The effects of (-)- hydroxycitric acid extract and fluoxetine on rat brain cortex neurotransmitters after 30, 60 and 90 days treatment. Poster presentation, Society of Toxicology 43rd Annual meeting, Baltimore, Maryland March 2004.

Shara, M., Garis, R, and Moore, F. The impact of a clinical pharmacy educator in a part-time role as a member of a multi-disciplinary heart failure care team. Poster presentation. AACP annual meeting, Minneapolis, MN, July 2003.

Bagchi, D , Shara, M., Ohia, S., Stohs, S. and Bagchi., M. 90-Day Chronic Toxicity Study of a Novel (-)-Hydroxycitric acid extract of *Garcinia Cambogia*. Poster presentation at the annual Society of Toxicology Meetings, Salt Lake City, UT, March 2003.

Shara, M., Kulkarni, K and Ohia, S., Effect of Cannabinoids on sympathetic neurotransmission in isolated bovine Irides. Poster presentation. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, Florida, May 2002.

Shara, M., Garis, R. and Moore, F., The positive economic impact of pharmacy clerkship students in an intensive care unit. poster presentation. AACP annual meeting, Toronto, Canada, July 2001.

Shara, M., Alsharif, N, Bramble., J., Impact of guidance techniques on clinical intervention productivity of clerkship students. Poster presentation, AACP annual meeting, San Diego, CA, July 2000.

Shara, M., Langdon, T., and Bramble, J., The Impact of Perioperative magnesium sulfate administration on the incidence of atrial fibrillation in post-operative coronary artery bypass graft and/or valve repair surgery patients. Poster presentation. American College of Clinical Pharmacy. Spring meeting. Monterey, April 2000.

Alsharif, N. and Shara, M. Practical Application of Biochemistry to Pharmacy Education. American Association of Colleges of Pharmacy Annual meeting. Poster presentation. Boston, July 1999.

Tang, L., Alsharif, N., Hassoun, E., Pederson, C., and Shara, M. Role of oxidative stress in the subchronic Toxicity of TCDD in C7&BL/6J female Mice. Society of Toxicology Annual meeting. New Orleans, La. March 1999.

Alsharif, N., Tang, L., Hassoun, E., El-Metwally, T., Pederson, C., Shara, M. and Stohs, S. Role of oxidative stress in the chronic Toxicity of TCDD in C7&BL/6J female Mice. Society of Toxicology. Annual meeting. New Orleans, LA. March 1999.

Shara, M., Langdon, T., and Bramble, J. Impact of Low-Dose magnesium sulfate on the incidence of post-operative atrial fibrillation in patients undergoing coronary artery bypass graft surgery. Platform presentation. American College of Clinical Pharmacy and European Society of Clinical Pharmacy. International Congress on Clinical Pharmacy, Orlando, FL. April 1999.

Shara, M., Langdon, T and Peetz, D. "The Impact of Glucose –Insulin-Potassium (GIK) on Post-Operative Atrial Fibrillation in Patients Undergoing CABG Surgery" Michael Shara, Poster presentation. American College of Clinical Pharmacy (ACCP). Cincinnati, OH, November 12, 1998.

Alsharif, N., E. Hassoun, E, Hunter, W. And Shara, M. "Oxidative Stress in the Subchronic Toxicity of TCDD". Central States Chapter of the Society of Toxicology. UNMC, Mid-Chapter meeting of Society of Toxicology. Omaha, NE, June 5, 1998.

Shara, M. and Chapman, D. The Impact of a Specialized Heart Failure Clinic on the Management of Heart Failure Patients and Their Outcomes. American College of Clinical Pharmacy (ACCP), Phoenix, AZ. November 11 1997.

Presentations – Invited, Clinical

Total Parenteral Nutrition (TPN), A Critical Need in Neonatal Intensive Care Patients. The First Jordanian International Neonatology Conference, Landmark Hotel, Amman Jordan May 4-6, 2017

Adverse Drug Reaction Reporting, Successful Implementation at King Abdulla University Hospital and clinics. First International Congress of Jordan Food and Drug Administration (JFDA), Oct. 27-28, 2016.

Aseptic Technique and TPN basics: Workshop, developing skills for implementation of intravenous admixture program. Inaugural Public Sector Pharmacists Conference, Landmark Hotel, Amman June 11-13, 2015.

Pharmacokinetic and Pharmacodynamic Issues in critically Ill Patients, why should clinicians consider Therapeutic Drug Monitoring (TDM). Jordan Nephrology Society, Dec 15, 2014.

Pharmacological Basis of Appropriate Antimicrobial Therapy in Wild on Wound Summit, Park Hyatt Dubai, Nov 8-9, 2013. Sponsored by Pfizer.

The PharmD. and The Clinical Pharmacist: What is the "Official" Setting? Jordan Pharmacists Association Annual Meeting and Science Day, Invited Presentation. Amman, April 2012

Current Trends in Clinical Pharmacy Practice in the United States. King Abdullah University Hospital Science Day Invited presentation. Irbid, Jordan, April 2011

Guidelines for the appropriate use of the new anti-arrhythmic Dofetilide (Tykosyn™). Sponsored by Pfizer. Workshop presentations and training of prescribers and hospitals as mandated by FDA guidelines. Bangor, Main, May 2000, Hyannis port, MA, May 2000, Grand Island, NE, August 2000, Norfolk, NE Sept. 2000, Lincoln, NE, October 2000 and Tyler, TX, October, 2000.

Neuromuscular Blockade and Sedation in the Intensive Care Setting. Immanuel/Bergan Mercy Medical Centers & Methodist Hospital. Sponsored by Glaxo-Wellcome., Immanuel Medical Center, Omaha, NE. March 1998.

Review of the Pharmacology of Cardiac and Emergency Drugs. Immanuel Medical Center Oncology Nursing Service. Immanuel Medical Center, Omaha, NE. September 1998.

Advanced Cardiac Life Support (ACLS). Pharmacology of Drugs. Immanuel/Bergan Medical Centers & Methodist Hospital. Sponsored By the American Heart Association. Immanuel Medical Center, Omaha, NE. February, April, July, September, October, and November 1998.

Pharmacology of Cardiovascular Drugs. Immanuel Medical Center and Metro College - Respiratory Therapy School. March 1998, Immanuel Medical Center, Omaha, NE.

Pharmacology of Sedatives & NMB's. Immanuel Medical Center and Metro College - Respiratory Therapy School. Immanuel Medical Center, Omaha, NE. March 1997.

Review of the Pharmacology of Cardiac and Emergency Drugs. Immanuel Medical Center Oncology Nursing Service, Immanuel Medical Center, Omaha, NE. September 1997.

Advanced Cardiac Life Support (ACLS). Pharmacology of Drugs. Immanuel/Bergan Medical Centers & Methodist Hospital. Sponsored By the American Heart Association, January 21 and 22, 1997, February 11, 1997, April, 16,17, and 18, 1997, July 16, 17, and 18, 1997, September 15 and 16, 1997, October 29, 30, and 31, 1997, and November 6 and 7, 1997, Immanuel Medical Center, Omaha, NE.

Pharmacology of Cardiovascular Drugs. Immanuel Medical Center and Metro College - Respiratory Therapy School, Immanuel Medical Center, Omaha, NE. March 1997.

Pharmacology of Sedatives & Neuromuscular Blockers. Immanuel Medical Center and Metro College - Respiratory Therapy School. Immanuel Medical Center, Omaha, NE. March 1997.

Neuromuscular Blockade and Sedation in the Intensive Care Setting. Immanuel/Bergan Mercy Medical Centers & Methodist Hospital. Sponsored Glaxo-Wellcome. Immanuel Medical Center, Omaha, NE. March 1996.

Pathophysiology and Pharmacotherapy of Heart Failure. Continuing Education for Pharmacists. Sponsored by Merck, Immanuel Medical Center. Omaha, NE. March 1996.

Advanced Cardiac Life Support (ACLS). Pharmacology of Drugs. Immanuel/Bergan Medical Centers & Methodist Hospital. Sponsored By The American Heart Association. Immanuel Medical Center, Omaha, NE. April 2, 3, 4, 1996, November 12, 13, 14, 1996.

Lipid Lowering Intervention Follow-up Enhancement. Family Physicians Group Sponsored by Merck, October 1996. Immanuel Clinics, Mission Hills. Omaha, NE.

Pharmacology of Sedatives & Neuromuscular Blockers. Immanuel Medical Center and Metro College - Respiratory Therapy School, Immanuel Medical Center, Omaha, NE. March 1996.

Treatment of Dyslipidemia: HMG Update. *Scandinavian Simvastatin Survival Study*, Data discussion. Nebraska Pharmaceutical Association continuing education program. Sponsored by Merck Pharmaceutical Co., November 5, 1995.

HMG: Update of Hyperlipidemia (Hypertension & Hyperlipidemia: Drug Therapy Update and Patient Compliance). Panel: M. Shara, Victor Padron, and Susan Feilmeier. Creighton University School of Pharmacy & Allied Health. Continuing Education Program, November 11, 1995.

Diagnosis and Treatment of Heart Failure. Workshop for Pharmacy Benefit Management Group. Sponsored By Merck Co., November 8, 1995.

Neuromuscular Blockade and Sedation in the Intensive Care Setting. M. Shara. Immanuel/Bergan Mercy Medical Centers & Methodist Hospital. Sponsored Burroughs Wellcome Co., September 21, 1995 and December 1, 1995.

Advanced Cardiac Life Support (ACLS). Pharmacology of Drugs. M. Shara. Immanuel/Bergan Medical Centers & Methodist Hospital. Sponsored By The American Heart Association, April 5, 1995, April 6, 1995, and November 29, 1995.

Committees:

Jordan University of Science & Technology Committees:

Research Committee Department, Chair, Clinical Pharmacy. 2014-current
Curriculum Committee (chair), 2010-2011.
B.S. Pharmacy summer clinical training committee, 2010-2011.
Clinical Pharmacy and pharmacy practice committee, 2010-2011.
Accreditation Committee, 2010-2011.

Creighton University Committees:

Elected to Faculty and Academic council, 2006-2009
Elected to student life policy, 2006-2008

Creighton School of Pharmacy & Health Professions Committees:

Curriculum Committee, 1995-1998, 2003-2009.
Pharmacy Admissions Committee, 1999-2006 (Vice Chair, 2004-2006)
Pharmacy Graduate Admissions Committee, 2003-2009.

School of Pharmacy & Health Professions Research Development Grant Program. Grant/panel reviewer, 2004-2008.

ACPE Chaired Facilities Self-Study Sub-Committee, 2004.

Ad Hoc Asynchronous Pathway Admissions Steering Committee, 2000.

Ad Hoc Master's Degree/Pharm.D. Dual Degree Program Development, 1995-1998

Non-Traditional Pharm.D. Admissions Committee, 1997-1998

Pharmacy Scholarship & Awards Committee 1998-1999

Academic Environment Committee 1998 - 2002

Student Assistance Committee 1998 - 1999

Service to the community:

American Diabetes Association: Tour De Cure (100 km fund raising bike ride, (2008)

American Heart Association: Heart walk, fund raising event pharmacy school representative (2008)

Big brothers big-sisters of the midlands. Mentoring troubled youth. 1993-1997, 2001-2009, Omaha, NE

Heart failure screening: Organized and implemented free screening at two Omaha malls to increase awareness of the disease in the community. Screened 376 individuals for heart failure/defects utilizing cardiac echocardiogram and provided free report and referral as needed.

Crossroads mall: Sat February 24th 1996, Omaha, NE, USA.

Westroads mall: Sun February 25th 1996, Omaha, NE, USA.

Medication adherence techniques for elderly patients with advanced cardiovascular disease.

Conducted a lunch and learn workshop on the importance and impact of medication compliance on quality of life, health care costs and frequency of emergency room visits.

Alegent Health Nebraska Heart Institute. April 9, 1997. Omaha, NE, USA.

Elementary school career day: Participated in career day work shop for elementary school.

Presented pharmacy and academia as career opportunities. Omaha elementary schools. 2000-2004, 2007-2009. Omaha, NE, USA.