

# Fuad A. Abdulla, PhD, PT

## Personal Data:

Date of Birth : February 22 1961  
Marital status : Married with 4 children  
Nationality : Jordanian / Canadian (Dual Nationality)  
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## Education:

Bachelor of Science (BSc.)  
Major: Physical Therapy  
Kuwait University  
Kuwait  
1979-1983

Master of Science (MSc.).  
Major: Medical Physiology  
Kuwait University  
Kuwait  
1985-1987

Doctor of Philosophy (PhD)  
Major: Physical Therapy/ Neuroscience  
University of London, King's College/Institute of Psychiatry  
London, United Kingdom  
1990-1993

## Continuing Education and Workshops Attended:

1. Sport medicine course: Ministry of Public Health, Kuwait, 1984.
2. Functional electrical stimulation course, Kuwait, 1985.
3. Advanced electrotherapy courses, Kuwait, 1984, 1985.
4. P.N.F., Kuwait, 1985.
5. Medical illustration course, Kuwait, 1985.
6. Laser therapy workshop, Kuwait, 1987.
7. McKenzie course part 1, Kuwait, 1990.
8. Lab Animal Care, London, 1990.
9. Radiation Handling in Research, London, 1992.
10. Lab Animal care, Edmonton 1994.
11. Pain Workshop, Portland, Oregon, 1994.
12. Effective teaching for university students, Edmonton, 1998.
13. Successful Grant Writing, Nashville, TN, 1998.
14. PNF I, the Institute of Physical Art, Birmingham, AB, 1999.
15. Web Course Design, Tennessee State University, TN, 1999.

16. Accreditation workshop by Southern Association, TN, 1999
17. AIDS workshop, Nashville, TN, 2000.
18. Indirect Cost for the Lay Audience, Nashville, TN, 2000.
19. Rehabilitation of the Vestibular System, Alexandria, VA, 2000.
20. APTA meeting, Indianapolis, IN, May 2000.
21. Integrating Technology in Physical Therapy Education, MD, 2000.
22. Facilitating Student Achievement: Why Standards Are Important. Tennessee State University, Nashville TN, September 2000.
23. Active Learning Involving Students Effectively in the Classroom, San Diego, California, October 2000.
24. Objective Structured Clinical Examination, Nashville, TN, December 2000.
25. Evidence-based practice: do we need it and why, Chicago, IL, April 2001.
26. SPSS for the public, Chicago, IL, May 2001.
27. Evidence-based practice, Boston, MA, May 2001.
28. APTA meeting, Anaheim, CA, June 2001.
29. Self-study Workshop, APTA, Department of Accreditation, Anaheim, CA, June 2001.
30. Enhancing student learning: setting clear expectations. Baltimore, Maryland, March 2002.
31. The uses of Bio-electro-magnetic Energy (Bemer 3000) in therapy. Amman, Jordan, March 2003.
32. The strategic planning for the handicapped. Ministry of Social Development. Amman, Jordan, March 2003.
33. The handicapped: challenges and obstacles. University of Jordan. Amman, Jordan, April 2003.
34. Grant review workshop. The development of higher education. Sponsored by the World Bank, June 2003.
35. Managing medical waste in Jordan. Jordan University of Science and Technology. Irbid, Jordan, June 2004.
36. Modern communications and their effects on distance learning. Yarmouk University, Irbid, Jordan, July 6-8, 2004.
37. Term of Reference, Ministry of education. Organized by World Bank. Amman, Jordan, September 16, 2004.
38. Biological Sciences and Society: Services and Obstacles. Yarmouk University, Irbid, Jordan, October 12-14, 2004.
39. Jordan National Tempus Day. University of Jordan. Amman, Jordan, October 17, 2004.
40. Management of low back pain by the DBC system. Organized by W.R. Abdulhadi Company. Amman Jordan, December 17, 2004.
41. Development of Physical Therapy in Jordan. University of Jordan. Amman, Jordan, December 18, 2004.
42. The German-Jordanian diabetes conference. Amman, Jordan, March 19-20, 2005.
43. Toward happy childhood and flourishing family. The Hashemite University, Zarqa, Jordan, May 11-12/2005.
44. Jordan National Tempus Day. University of Jordan. Amman, Jordan, October 09, 2005.
45. EMG and its uses in diagnosis and treatment. Lavender Company,

- Jordan April 07 2006.
46. Technology used in distance learning. The Hashemite University, Jordan, May 2-4 2006
  47. Writing of social grants. World Bank, Amman, Jordan September 2006
  48. Writing term of reference and an effective contract. World Bank, Amman, Jordan, February, 21 2007
  49. Manual therapy for the back. Cairo, Egypt, March 02 2007.
  50. Manual therapy for the neck. Amman, Jordan, April 4-5 2008
  51. The Aduli suite application. Amman Jordan June 19 2009
  52. Oxytherapy... is it the future? Amman, Jordan July 23 2009
  53. Blackboard 8. New York, USA. October 19-20, 2009
  54. Blackboard 9. Amman, Jordan. May 17-18 2010.
  55. E-learning. Dammam, Saudi Arabia. March 21-24 2011
  56. Effective teaching. Dammam, Saudi Arabia. April 06 2011
  57. NCAAA Accreditation in Saudi University, University of Dammam, 2011
  58. Stem cell transplant Dammam, Saudi Arabia. April 23 2011
  59. Principles of Curriculum Development, University of Dammam, Saudi Arabia May 04 2011
  60. Spot Light on Curriculum Development, University of Dammam, Saudi Arabia, October 11 2011.
  61. The Pedar and Emed training workshop, Saudi Arabia, February 6-8 2012
  62. The people soft registration system, Saudi Arabia, February 2012
  63. Dynamic Spine Analysis: A Clinical Based New Radiation Free Method. May 08 2012 Riyadh, KSA
  64. Use of Planter Pressure Assessment in Rehabilitation Protocols. May 09 2012 Riyadh, KSA
  65. Strategies for Improving Research Outcomes. University of Dammam, September 07-08 2012, Dammam, KSA.
  66. 21<sup>st</sup> Century Teaching Strategies. University of Dammam, February 17-18 2013, Dammam, KSA.
  67. How to prepare Course Portfolio, Deanship of Quality and Accreditation, University of Dammam, Saudi Arabia, May 07 2013.
  68. Learning Outcomes and Teaching Strategies, Deanship of Education and Development, University of Dammam, September 24 2013.
  69. Creative and Innovative Teaching, Deanship of Education and Development, University of Dammam, November 19-20 2014.

## **Employment and Positions Held:**

### **Clinical Positions:**

#### **1. Physical Therapist**

Kuwait Ministry of Public Health hospitals  
1983-1985.

#### **2. Home Health Physical Therapist**

Kuwait  
1985-1987.

#### **3. Clinical Instructor**

Kuwait (In addition to student supervision, I worked two days per week as a

staff Physical Therapist). 1988-1990.

**4. Part-time Physical Therapist**

The Maudsley and the Bethlem Royal Hospitals, London, England  
1991-1993.

**5. Albayroni Physical Therapy Centre (co-owner), Amman,  
Jordan: 2009-2013**

**6. Consultant and Student Supervision:**

- University of Alberta Hospital, Edmonton, Canada (1993-1998)
- Pain Clinic: University of Alberta Hospital: Edmonton, Canada  
1993-1998
- Metro-General Hospital: Nashville, Tennessee, USA: 1998-2002
- Albasheer Hospital, Amman, Jordan: 2002-2007 (students  
supervision)
- Al-Hussein Society: Amman, Jordan: 2007-2010
- Sheik Zayed centre, Abu-Dhabi, UAE: 2007-2008
- Arab City for Comprehensive Care, Amman, Jordan: 2010-2011.
- King Fahed University Hospital, AlKhubar, KSA, 2011-present  
(students supervision).

**Academic Positions:**

**1. Instructor**

Faculty of Medicine, Department of Physiology, Kuwait University, Kuwait  
**1985-1987.**

**2. Clinical Instructor**

Faculty of Allied Health Sciences, Department of Physical Therapy, Kuwait  
University, Kuwait  
**1988-1990.**

**3. Teaching Assistant/Instructor**

Institute of Psychiatry, Department of Neuroscience,  
London, United Kingdom  
1991-1993.

**4. Post-doctoral Fellow**

Department of Psychology, Institute of Psychiatry, London, United Kingdom  
1993.

**5. Post-doctoral Fellow/ Research Assistant Professor**

Department of Pharmacology and Division of Neuroscience, University of  
Alberta, Canada 1993-1998.

**6. Associate Professor**

Department of Physical Therapy, Tennessee State University, Tennessee, USA.  
1998-2002.

**7. Associate Professor**

School of Graduate Studies, Tennessee State University, Tennessee, USA.  
2001-2002.

**8. Associate Professor**

Department of Physical Therapy, the Hashemite University Jordan, Zarqa.  
2002-2007.

**9. Full Professor and Program Coordinator:**

Department of Physical Therapy, Graduate Program,  
School of Health Professions

New York Institute of Technology (Jordan Campus and USA Campus),

Jordan and USA  
September 01 2007- August 31 2010.

**10. Full Professor and Graduate Program Coordinator:**

Department of Physical Therapy,  
Faculty of Applied Medical Sciences  
University of Dammam, Saudi Arabia  
March 2011- Present.

**Administrative Positions:**

**1. Director of Research**

Tennessee State University, Tennessee, USA.  
2000-2002.

**2. Associate Dean:**

Faculty of Allied Health Sciences, the Hashemite University Jordan, Zarqa.  
2003-2007.

**3. Chairman of Department of Occupational Therapy:**

Faculty of Allied Health Sciences, The Hashemite University, Jordan  
2003-2007.

**4. Chairman of Department of Cosmetology Sciences:**

Faculty of Allied Health Sciences, The Hashemite University, Jordan  
2004-2006.

**5. Chairman of Department of Physical Therapy**

Faculty of Allied Health Sciences, The Hashemite University, Jordan  
2005-2007.

**6. Graduate Program Coordinator:**

Department of Physical Therapy, Graduate Program,  
School of Health Professions  
New York Institute of Technology (Jordan Campus and USA Campus),  
Jordan and USA  
September 01 2007- August 31 2010.

**7. Graduate Program Coordinator:**

Department of Physical Therapy,  
Faculty of Applied Medical Sciences  
University of Dammam, Saudi Arabia  
March 2011- Present.

**Publications:**

**A) Thesis and Dissertation:**

1. Master Degree thesis:

‘Studies on the contribution of small diameter fibres to the subcortical somatosensory evoked potentials in the rat’. Kuwait University, Kuwait, 1987.

2. Doctoral thesis:

‘An electrophysiological, behavioural and morphological study of AMPA lesions of nucleus basalis magnocellularis and of fetal basal forebrain transplants in rats’. Institute of Psychiatry, University of London, London, UK, 1993.

**B) Refereed papers:**

1. **Abdulla, F.A.**, Aneja, I.S. and Bahargava, K.P. (1989) Effect of morphine on far-field somatosensory evoked potentials (SEPs) in the rat. *Neuropharmacol.*,

- 28(1):** 69-73.
2. Onuoha, A.R. and **Abdulla, F.A.** (1991) Professional and career satisfaction of Physical Therapy graduates from Kuwait University. *Physiotherapy*, **77**: 295-298.
  3. **Abdulla, F.A.**, Dawe, G., Scorsa, A.M., Rispoli, V. and Stephenson, J.D. (1992) Effects of tetrahydro-9-aminoacridine on the electrocorticogram of rats with a unilateral lesion of the nucleus basalis magnocellularis. *Funct. Neurol.*, **7(2)**: 141-146.
  4. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Raevsky, V., Sinden, J.D. and Stephenson, J.D. (1992) Changes in sensitivity of rat frontal cortex neurones to acetylcholine (ACh) after  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA) lesions of nucleus basalis magnocellularis and after embryonic basal forebrain transplants. *J. Neurotransplantation Plasticity*, **3**: 297-298.
  5. **Abdulla, F.A.** and Aneja, I.S. (1993) Morphine inhibits the thalamic component of the subcortical somatosensory evoked potentials in rats. *Funct. Neurol.*, **8(3)**: 197-203.
  6. Calaminici, M.-R., **Abdulla, F.A.**, Sinden, J.D. and Stephenson, J.D. (1993) Direct evidence for axonal outgrowth from cholinergic grafts to cholinergically-deafferented rat cortex. *Neuroreport*, **4(5)**: 585-587.
  7. **Abdulla, F.A.**, Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1993) Chronic treatment with cholinergic drugs influence spatial learning in rats. *Psychopharmacology*, **111(4)**: 508-511.
  8. **Abdulla, F.A.**, Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1994) Unilateral AMPA lesions of nucleus basalis magnocellularis induce a sensorimotor deficit which is differentially altered by arecoline and nicotine. *Behav. Brain Res.*, **60(2)**: 161-169.
  9. **Abdulla, F.A.**, Calaminici, M.-R., Raevsky, V.V., Sinden, J.D., Gray, J.A. and Stephenson, J.D. (1994) An iontophoretic study of the effects of  $\alpha$ -amino-hydroxy-5-methyl-4-isoxazole propionic acid lesions of the nucleus basalis magnocellularis on cholinergic and GABAergic influences on frontal cortex neurones of rats. *Exp. Brain Res.*, **98(3)**: 441-456.
  10. **Abdulla, F.A.**, Abu-Bakra, M.A.J., Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1995) Importance of forebrain cholinergic and GABAergic systems to the age related deficits in water-maze performance of rats. *Neurobiol. Aging*, **16(1)**: 41-52.
  11. **Abdulla, F.A.**, Smith, S.E., Calaminici, M.-R., Stephenson, J.D., Sinden, J.D., Meldrum B.S. and Gray, J.A. (1995) Cholinergic sensitivity and behavioural deficits after middle cerebral artery occlusion in rats. In *Pharmacology of Cerebral Ischaemia 1994*. Krieglstein, J. and Oberpichler-Schwenk, H. (Eds.). Wissenschaftliche Verlagsgesellschaft mbh Stuttgart, pp 531-540.
  12. **Abdulla, F.A.**, Calaminici, M.-R., Wonnacott, S., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1995) Sensitivity of rat frontal cortical neurones to nicotine is increased by chronic administration of nicotine and by lesions of the nucleus basalis magnocellularis: comparison with numbers of [<sup>3</sup>H]nicotine binding sites. *Synapse*, **21(4)**: 281-288.
  13. **Abdulla, F.A.**, Bradbury, E., Calaminici, M.-R., Lippiello, P.M., Wonnacott, S., Gray, J.A. and Sinden, J.D. (1996) Relationship between up-regulation of nicotine binding sites in rat brain and delayed cognitive enhancement observed after chronic or acute nicotinic receptor stimulation. *Psychopharmacology*. **124(4)**: 323-331.

14. Calaminici, M.-R., **Abdulla, F.A.**, Sinden, J.D. and Stephenson, J.D. (1997) Plastic changes in the cholinergic innervation of the rat cerebral cortex after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-OH-4-isoxazole propionic acid (AMPA): reversal by basal forebrain transplants. *Brain Res. Bull.*, **42**: 79-93.
15. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1997) Changes in the sensitivity of frontal cortical neurones to acetylcholine after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-OH-4-isoxazole propionic acid (AMPA): effects of basal forebrain transplants into neocortex. *Brain Res. Bull.* **42**: 169-186.
16. **Abdulla, F.A.**, Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1997) Behavioural specificity of neocortical grafts of fetal basal forebrain tissue after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-OH-4-isoxazole propionic acid (AMPA). *Brain Res. Bull.* **42**: 407-414.
17. **Abdulla, F.A.** and Smith, P.A. (1997) Ectopic  $\alpha_2$ -adrenoceptors couple to N-type  $\text{Ca}^{+2}$  channels in axotomized rat sensory neurones. *J. Neurosci.* **17(5)**: 1633-1641.
18. **Abdulla, F.A.** and Smith, P.A. (1997) Nociceptin inhibits T-type  $\text{Ca}^{2+}$ -channel current in rat sensory neurons by a G-protein-independent mechanism. *J. Neurosci.* **17(22)**: 8721-8728.
19. **Abdulla, F.A.** and Smith, P.A. (1998) Axotomy reduces the effect of analgesic opioids yet increases the effect of nociceptin on dorsal root ganglion neurons. *J. Neurosci.* **18(23)**: 9685-9694.
20. **Abdulla, F.A.** and Smith, P.A. (1999) Nerve injury increases an excitatory action of neuropeptide Y and  $\text{Y}_2$ -agonists on dorsal root ganglion neurones. *Neurosci.* **89(1)**: 43-60.
21. **Abdulla, F.A.** and Smith, P.A. (1999) Neuropeptide Y actions and the distribution of  $\text{Ca}^{2+}$ -dependent  $\text{Cl}^-$  conductance in rat dorsal root ganglion neurons. *J. Auto. Ner. Sys.* **78(1)**: 24-29.
22. Moran, T.D., **Abdulla, F.A.** and Smith, P.A. (2000) Cellular neurophysiological actions of nociceptin/orphanin FQ. *Peptides.* **21(7)**: 969-976.
23. **Abdulla, F.A.**, Stabbing, M and Smith, P.A. (2001) Effects of substance P on excitability and axotomized rat dorsal root ganglion. *Eur. J. Neurosci.* **13(3)**: 545-552.
24. **Abdulla, F.A.** and Smith, P.A. (2001) Axotomy and autotomy-induced changes in the excitability of rat dorsal root ganglion neurons. *J. Neurophysiol.* **85(2)**: 630-643.
25. **Abdulla, F.A.** and Smith, P.A. (2001) Axotomy and autotomy-induced changes in  $\text{Ca}^{2+}$  and  $\text{K}^+$  channel currents of rat dorsal root ganglion neurons. *J. Neurophysiol.* **85(2)**: 644-658.
26. Smith, P.A., Stebbing, M.J., Moran, T.D., Tarkkila, P. and **Abdulla, F.A.** (2002) Neuropathic pain and the electrophysiology and pharmacology of nerve injury. *Drug Development Research.* **54**:140-153.
27. **Abdulla, F.A.** and Smith, P.A.(2002) Changes in  $\text{Na}^+$  channel currents of rat dorsal root ganglion neurons following axotomy and axotomy-induced autotomy. *J. Neurophysiol.* **88**: 2518-2529.
28. **Abdulla, F.A.**, Moran T. and Smith, P.A.(2003) Effects and consequences of nerve injury on the electrical properties of sensory neurons. *Can. J. Physiol. Pharmacol.* **81**: 663-682.

29. **Abdulla, F.A.** (2005) Pain fibres contribute to the generation of subcortical somatosensory evoked potentials (SEPs) in rats. *Func. Neurol* **20**: 17-22.
30. Qnais, E.Y., **Abdulla, F.A.** and Abu Ghalyun, Y.Y. (2005) Antidiarrhoeal effects of *Juniperus Phoenicia* L. leaves extracts in rats. *Pak. J. Biol. Sci.* **8 (6)**: 867-871.
31. Qnais, E.Y. **Abdulla, F.A.**, Khanfer M.A., Abu-Zarga, M.H. and Abu Ghalyun, Y.Y. (2006) Effects of kreysigine, an alkaloid isolated from *Colchicum decaisnea* on ileum smooth muscles and intestinal motility of rats. *Int. J. Pharmacol.* **2 (4)**: 451-455.
32. **Abdulla, F.A.** and Qnais, E.Y. (2006) Cognitive alteration is associated with an increase in cholinergic neurons sensitivity in an animal model of stroke. Bulletin: Proceedings of the 9th International Scientific Conference, Cairo University .199-207
33. Othman, I., Maheidat, R., Abu-Dieah, M. and **Abdulla, F.A.** (2006) Effects of Motivation on Physical Performance among Collage Students. Bulletin: Proceedings of the 9th International Scientific Conference, Cairo University. 193-198.
34. Nassaj, A.M. and **Abdulla, F.A.** (2006) Integration of physically challenged students into the public schools in Jordan. Processing of the Childhood and Family Conference. The Hashemite University (in press).
35. Smith, P.A., Moran TD, **Abdulla, F.A.** and Taylor, B.K. (2007) Spinal Mechanisms of NPY Analgesia. *Peptide* **28(2)**: 464-474.
36. Qnais E.Y., Elokda, A.S., Abu Ghalyun, Y.Y. and **Abdulla, F.A.** (2007) Antidiarrhoeal Activity of the Aqueous Extract of Punica granatum (Pomegranate) Peels. *Pharmacol. Biol.* **45(9)**: 715-720.
37. **Abdulla, F.A.** and Qnais, E.Y. (2008) Middle Cerebral Artery Occlusion Increases the Cortical Neurons Sensitivity to Acetylcholine and Impairs Cognitive Functions in Rats. *J. Biol Sci.* **1**: 1-6.
38. **Abdulla, F.A.**, Abu-Dieyeh, M.H. and Qnais, E.Y. (2008) Human Activities and Ecosystem Health. In Environmental Management, Sustainable Development and Human Health. Eds: Laboy-Nieves, E.N., Schaffner,F.C., Abdelhadi, A.H. and Goosen M.F.A. CRC Press, New York, 2008. PP 341-359.
39. Ahmad, I.M., Abdalla M.Y., Mustafa, N.H. Qnais, E.Y. and **Abdulla, F.A.** (2009) Datura aqueous leaf extract enhances cytotoxicity via metabolic oxidative stress on different human cancer cells. *J. Biol Sci.* **2**: 9-14.
40. Qnais, E.Y., Abu-Dieyeh, M., **Abdulla, F.A.** and Abdalla, S.S. (2010) The antinociceptive and anti-inflammatory effects of Salvia officinalis leaf aqueous and butanol extracts. *Pharmaceutical Biol.* **48(10)**: 1149-1156.
41. Shbair, F.S. and **Abdulla, F.A.** (2010) Risk Factors of Work Related Musculoskeletal Disorders among Professional Computer Users in Amman, Jordan. *J. Al Azhar Univ.* **12**: 36-44.
42. Qnais, E.Y., **Abdulla, F.A.**, Kaddumi, E.G., Abdalla, S.S. (2012) Antidiarrheal Activity of Laurus nobilis L. Leaf Extract in Rats. *J Med Food.* **15(1)**: 51-57.
43. Auais, M.A., Alzyoud, J.M. and **Abdulla, F.A.** (2012) The Risk Factors of CVA in Jordan. *Physiotherapy Theory and Practice.* **28(8)**: 588-94.
44. Naseef, M, Basha W., Ghanem, W., Shraim, R., Qnais, E. and **Abdulla, F.A.** (2014) Effects of Salvia Officinalis on Pressure Ulcer Healing in Albino Rats. *Submitted to J. Biol Sci.*



**C) Abstracts:**

1. **Abdulla, F.A.**, Aneja, I.S., Bahargava, K.P., Ahmed, B. and Mathew, J. (1987) Effect of morphine on subcortical somatosensory evoked potentials. *Neurosci.*, 22S. 318.
2. **Abdulla, F.A.** and Aneja, I.S. (1989) The contribution of different nerve fibre groups to the thalamic component of the far field somatosensory evoked potentials. *FASEB J.*, 3: A390.
3. **Abdulla, F.A.**, Aneja, I.S. and Mathew, J. (1989) The primary locus of morphine action on the subcortical somatosensory evoked potentials (SEPs). Pain Workshop, Kuwait, P17.
4. Chanmugam, P., Helal, A., **Abdulla, F.A.**, Abdulmalek, F. and Murad, Z. (1989) Criteria for selection of laser therapy for the management of pain and dysfunction of soft tissue lesions. Pain Workshop, Kuwait, P19.
5. **Abdulla, F.A.** and Aneja, I.S. (1990) Localization of morphine action by evoked potentials. *Pharmacist (Kuwait)*. 11(4): 20, 1990.
6. **Abdulla, F.A.** and Onuoha, A.R. (1990) The career profile of and feedback from the graduates of Kuwait University program in Physical Therapy. *Proceeding of the XXIII Annual Conference of the Indian Association of Physiotherapist*, Newdalhi, India.
7. Onuoha, A.R. and **Abdulla, F.A.** (1990) The career attitude of Physical Therapy graduates from Kuwait University. *Proceeding of the XXIII Annual Conference of the Indian Association of Physiotherapist*, Newdalhi, India.
8. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1992) Chronic hyosine and oxotremorine treatment alters the sensitivity of rat frontal cortex pyramidal cells to acetylcholine and carbachol. *Br. J. Pharmacol.*, **106** (Suppl.): 39P.
9. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Raevsky, V., Sinden, J.D. and Stephenson, J.D. (1992) Changes in sensitivity of rat frontal cortex neurones to acetylcholine (ACh) after  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA) lesions of nucleus basalis magnocellularis and after embryonic basal forebrain transplants. *Restorative Neurol. Neurosci.*, **4**: 209-210.
10. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1992) Sensorimotor neglect and impaired spatial performance in rats after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission: function and dysfunction*. Montreal, P71, 68.
11. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1992) Time course of changes in sensitivity of rat cortical neurones to muscarinic receptors stimulation with ACh and carbachol after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission: function and dysfunction*. Montreal, P70, 67.
12. Calaminici, M.-R., **Abdulla, F.A.**, Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1992) Time course of changes in rat cortical cholinergic innervation after unilateral lesion of the nucleus basalis with  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission: function and dysfunction*. Montreal, P69, 68.
13. **Abdulla, F.A.**, Calaminici, M.-R., Mitchell, S.N., Sinden, J.D. and Stephenson, J.D. (1993) Chronic nicotine treatment and unilateral lesion of nucleus basalis (nb) with  $\alpha$ -amino-3-oh-4-isoxazole propionic acid (AMPA)

- alter rat frontal cortex pyramidal cell sensitivity to nicotine. *Br. J. Pharmacol.*, **109** (Suppl.): 32P.
14. **Abdulla, F.A.**, Calaminici, M.-R., Sinden, J.D. and Stephenson, J.D. (1993) Centrally acting drugs alter sensorimotor deficit induced by unilateral  $\alpha$ -amino-3-OH-4-isoxazole propionic acid (AMPA) lesion of nucleus basalis (nb). *Br. J. Pharmacol.*, **109** (Suppl.) 72P.
  15. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1993) Foetal cholinergic transplants normalise frontal cortex neurones' sensitivity to ACh increased by lesioning nucleus basalis magnocellularis (nbm). Proceeding of the *XXXII nd International Congress of Physiological Sciences*, Glasgow, 89.
  16. **Abdulla, F.A.**, Calaminici, M.-R., Sinden, J.D. and Stephenson, J.D. (1993) Effects of AMPA lesions of NBM and subsequent embryonic transplants on cortical serotonergic mechanisms in rats. *Soc. Neurosci. Abstr.* **19**: 1151.
  17. **Abdulla, F.A.**, Calaminici, M.-R., Sinden, J.D. and Stephenson, J.D. (1994) Effects of unilateral AMPA lesion of nucleus basalis magnocellularis (nbm) and subsequent fetal basal forebrain transplants on cortical GABAergic mechanisms in rats. *Br. J. Pharmacol.*, **111** (Suppl.): 92P.
  18. **Abdulla, F.A.**, Abu-Bakra, M.A.J., Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1994) Deficits in spatial learning are correlated with changes in sensitivity of frontal cortical neurones to acetylcholine and bicuculline in aged rats. *Br. J. Pharmacol.*, **112**: (Suppl.) 269P.
  19. **Abdulla, F.A.**, Calaminici, M.-R., Smith, S.E., Meldrum, B., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1994) Effects of occlusion of middle cerebral and common carotid arteries on cortical cholinergic mechanisms in rats. *Canadian J. Physiology Pharmacology*, **72**: (Suppl. 1), 437.
  20. **Abdulla, F.A.**, Calaminici, M.-R., Gray, J.A., Stephenson, J.D. and Sinden, J.D. (1994) Effects of AMPA lesions of nucleus basalis magnocellularis (nbm) and embryonic basal forebrain transplants on rat cortical cholinergic and non-cholinergic mechanisms. Proceeding of the 5th International Symposium on Neural Transplantation, Paris, 25-29, 1994.
  21. Smith, S.E., **Abdulla, F.A.**, Calaminici, M.-R., Stephenson, J.D., Gray, J.A., Sinden, J.D. and Meldrum B.S. (1994) Cholinergic sensitivity and behavioural deficits after middle cerebral artery occlusion in rats. Proceeding of the 5th International Symposium on Pharmacology of Cerebral Ischaemia, Marburg, 44.
  22. **Abdulla, F.A.**, Bradbury, E.J., Calaminici, M.-R., Wonnacott, S. Stephenson, J.D., Sinden, J.D. and Gray J.A. (1994) Chronic nicotine-induced cognitive facilitation are correlated with changes in the nicotine binding sites. In: International Symposium on Nicotine: the Effects of Nicotine on Biological Systems II. Clark, P.B.S., Quik, M., Thurau, K. and Adlkofer, F. (Eds). Birkhauser Verlag, Basel. **P 91**.
  23. **Abdulla, F.A.**, Calaminici, M.-R., Wonnacott, S., Gray, J.A., Sinden, J.D. and Stephenson, J.D. (1994) Chronic nicotine administration and unilateral AMPA lesions of nucleus basalis magnocellularis (nbm) increase cortical neuronal sensitivity to nicotine. In: International Symposium on Nicotine: the Effects of Nicotine on Biological Systems II. Clark, P.B.S., Quik, M., Thurau, K. and Adlkofer, F. (Eds). Birkhauser Verlag, Basel. **P 75**.
  24. **Abdulla, F.A.** and Smith, P.A. (1995) Changes in the properties of rat dorsal root ganglion neurones following axotomy and axotomy-induced autotomy.

- Proc. Canadian Fedn. Biol. Soc.* **79**.
25. **Abdulla, F.A.**, Aneja, I.S. and Smith, P.A. (1995) Different nerve fibre groups contribute to the thalamic component of the subcortical somatosensory evoked potentials. *Proc. Canadian Fedn. Biol. Soc.* **80**.
  26. **Abdulla, F.A.** and Smith, P.A. (1995) Action potentials and calcium currents of axotomized rat dorsal root ganglion neurones. *Soc. Neurosci. Abstr.*, **21**: 566.
  27. **Abdulla, F.A.** and Smith, P.A. (1996) Increased excitability of damaged rat sensory neurones involves altered coupling between calcium channels and adrenoceptors. *Br. J. Pharmacol.* **119**: 37P.
  28. **Abdulla, F.A.**, Colmers, W.F. and Smith, P.A. (1996) Axotomy increases the response of rat sensory neurones to Y<sub>2</sub> agonists. *Br. J. Pharmacol.*, **119**: 162P.
  29. **Abdulla, F.A.** and Smith, P.A. (1996) Altered coupling of calcium channels to adrenoceptors invokes ectopic activity in damaged rat sensory nerves. *Soc. Neurosci. Abstr.*, **22**: 1748.
  30. Calaminici, M.-R., **Abdulla, F.A.** and Stephenson, J.D. (1997) Effects of unilateral AMPA lesions of the nucleus basalis magnocellularis (nbm) on the GABAergic system in the rat brain. *Neuropathol. Appl. Neurobiol.* **23**: 182.
  31. **Abdulla, F.A.**, Colmers, W.F. and Smith, P.A. (1997) An excitatory action of Y<sub>2</sub>-agonists on sensory neurones that is potentiated by nerve injury. *J. Aut. Nervous Sys.* **65**: 115.
  32. **Abdulla, F.A.** and Smith, P.A. (1997) Differential effects of axotomy on the sensitivity of dorsal root ganglia cells to morphine and nociceptin. *Soc. Neurosci. Abstr.*, **23**: 1016.
  33. **Abdulla, F.A.** and Smith, P.A. (1998) Axotomy alters the response of dorsal root ganglion neurons to substance P. *Soc. Neurosci. Abstr.* **24**: 2089.
  34. **Abdulla, F.A.** and Smith, P.A. (1999) Differential effects of peripheral nerve injury on the sensitivity of various dorsal root ganglion cell types to substance P. *Tennessee State University Research Symposium.* **21**: 35.
  35. Smith, P.A. and **Abdulla, F.A.** (1999) Nerve injury-induced changes in calcium channels functions. *Canadian J. Pharmacol.*
  36. **Abdulla, F.A.** and Smith, P.A. (2000) Peripheral nerve injury-induced changes in the excitability of rat dorsal root ganglion neurons. *Tennessee State University Research Symposium.* **22**: 33.
  37. Ashlock, T., Hardin, B., Patel, S. and **Abdulla, F.A.** (2000) Knowledge and attitude of rural and urban physical therapists toward treating AIDS patients. *Tennessee State University Research Symposium.* **22**: 34.
  38. Dowe, T., Grant, C., Ingram, C. and **Abdulla, F.A.** (2000) The effects of motivation on performance. *Tennessee State University Research Symposium.* **22**: 34.
  39. **Abdulla, F.A.** and Aneja, I.S. (2001) Small diameter fibres contribute to the subcortical somatosensory evoked potentials in rats. APTA, Anaheim, California.
  40. **Abdulla, F.A.** (2001) Fibre types that contribute to the subcortical somatosensory evoked potentials in rats. *Tennessee State University Research Symposium.*
  41. **Abdulla, F.A.** and Smith, P.A. (2002) Changes in Na<sup>+</sup> channel currents of rat dorsal root ganglion neurons following axotomy and autotomy-induced. *APTA annual meeting.*
  42. Ashlock, T., Hardin, B., Patel, S. and **Abdulla, F.A.** (2002) Knowledge and

- attitude of rural and urban physical therapists toward treating AIDS patients. *APTA annual meeting*.
43. **Abdulla, F.A.** and Smith, P.A. (2002) Changes in Na<sup>+</sup> channel currents of rat dorsal root ganglion neurons following axotomy and autotomy-induced. *Tennessee State University Research Symposium*.
  44. **Abdulla, F.A.** (2004) Small diameter fibres contribute to the subcortical somatosensory evoked potentials (SEPs) in rats. *Biological Sciences and Society: Services and Obstacles*. Yarmouk University, **4**: 15.
  45. **Abdulla, F.A.** (2004) Middle cerebral artery occlusion increases cholinergic sensitivity and induces behavioural deficit in rats. *Biological Sciences and Society: Services and Obstacles*. Yarmouk University, **4**: 17.
  46. **Abdulla, F.A.** (2005) Somatosensory evoked potentials as a tool for pain measurement. Faculty of Allied Health Sciences Scientific Day.
  47. Nassaj, A.M. and **Abdulla, F.A.** (2005) Integration of physically challenged students into the public schools in Jordan. School of Education Conference, The Hashemite University, 31.
  48. **Abdulla, F.A.** (2005) Subcortical somatosensory evoked potentials as a tool for pain measurement. The Third Physiotherapy Days of Saint-Joseph University.
  49. Sharaqbi, N. and **Abdulla, F.A.** (2005) Passive stretch reduces spasticity in children with cerebral palsy. The Third Physiotherapy Days of Saint-Joseph University.
  50. **Abdulla, F.A.** and Qnais, E.Y. (2006) Cognitive alteration after stroke is associated with an increase in cholinergic neurons sensitivity in rats. 3<sup>rd</sup> Royal Medical Services International Conference.
  51. Beseso, Y., Qnais, E.Y. and **Abdulla, F.A.** (2006) Anti-nociceptive effects of leaf aqueous extract of *Hyoscyamus muticus* L in rats. 3<sup>rd</sup> Royal Medical Services International Conference.
  52. Qnais, E.Y. and **Abdulla, F.A.** (2006) Effects of kreysigine, an alkaloid isolated from *Colchicum decaisnea* on ileum smooth muscle and intestinal motility of rats. 3<sup>rd</sup> Royal Medical Services International Conference.
  53. **Abdulla, F.A.** (2006) Cognitive alteration is associated with an increase in cholinergic neurons sensitivity in an animal model of stroke. 9th International Scientific Conference, Cairo University.
  54. Othman, I., Maheidat, R., Abu-Dieah, M. and **Abdulla, F.A.** (2006) Effects of Motivation on Physical Performance among Collage Students. 9th International Scientific Conference, Cairo University.
  55. **Abdulla, F.A.** (2006) Spasticity: pathophysiology, assessment and management. 2<sup>nd</sup> conference of Jordanian physical therapy association.
  56. **Abdulla, F.A.** (2006) Somatosensory evoked potentials as a tool for pain assessment. 2<sup>nd</sup> conference of Jordanian physical therapy association.
  57. **Abdulla, F.A.** (2006) Management of Spasticity. Al-Fatih University Conference, Libya, Tripoli.
  58. **Abdulla, F.A.** (2006) Pain Pathophysiology. Al-Fatih University Conference, Libya, Tripoli.
  59. **Abdulla, F.A.** (2007) Passive stretch reduces spasticity in children with spastic cerebral palsy. 10th International Scientific Conference, Cairo University.
  60. **Abdulla, F.A.** (2007) Plasticity after central nervous system lesions. Physical Therapy conference, University of Jordan.

61. **Abdulla F.A.** (2007) New advances in CVA assessment and management. Ist symposium of Saudi German Hospital, Jeddah.
62. **Abdulla, FA** and Sarakbi NH (2007) Passive stretch and spasticity. First scientific Conference of School of Rehabilitation Sciences, University of Jordan.
63. **Abdulla F.A.** (2007) The role of physical therapist in lower limb amputation. The first Jordanian Italian Artificial Limb and Assistive Devices. Jordan June 2007.
64. Jarrar M. and **Abdulla F.A.** (2008) Effect of magnet therapy vs. exercises in the management of osteoporosis. 11<sup>th</sup> International Scientific Conference, Cairo University.
65. Jarrar M. and **Abdulla F.A.** (2008) Effect of magnet therapy vs. exercises in the management of low bone mineral density at the lumber spine in postmenopausal women: a comparative study. 3<sup>rd</sup> International Scientific Conference of the Jordanian Physical Therapy Society. pp 7.
66. **Abdulla F.A.,** Sarakbi N.H. AND Qnais E (2008) Effects of weight bearing on spasticity in children with spastic cerebral palsy. The 6<sup>th</sup> Medical Conference of the Faculty of Medicine, Jordan University of Science and Technology. pp 19.
67. Dabbas, D., Abbani, F. and **Abdulla, F.A.** (2009) Prevalence and Risk Factors of Urinary Incontinence among Jordanian Women. 11<sup>th</sup> International Scientific Conference, Cairo University.
68. **Abdulla, F.A** (2009) Passive Stretch Reduces Spasticity in Children with Cerebral Palsy. The 4th international Physical Therapy Conference, Bahrain.
69. **Abdulla, F.A.** (2009) The Hemiplegic Shoulder: An Evidence Based Approach. The 4th international Physical Therapy Conference, Bahrain.
70. **Abdulla, F.A.** (2009) Low Back Pain: A Physical Therapy Approach. Syrian Physical Therapy Association.
71. Dabbas, D. and **Abdulla, F.A.** (2010) Urinary Incontinence among Jordanian Women. Physical Therapy conference, University of Jordan
72. **Abdulla, F.A.** (2012) Spasticity: pathophysiology, assessment and management. Second Conferences of the Saudi Physical Therapy Association (May 8-10). Riyadh, KSA.
73. **Abdulla, F.A.** (2012) The Hemiplegic Shoulder: What is New? Second Conferences of the Saudi Physical Therapy Association (May 8-10). Riyadh, KSA.
74. Alghamdi, H., Alsada, F., Albasatani H. and **Abdulla, F.A.** (2012) Prevalence of and Risk Factors Associated with Urinary Incontinence of Saudi Females in the Eastern Province. 5<sup>th</sup> Students Research Day, University of Dammam. Dammam, KSA.
75. Algamdi, S., Alqadi, F. and **Abdulla, F.A.** (2013) Knowledge and Attitude of Physical Therapist in the Eastern Province of Saudi Arabia toward Patients with HIV/AIDS. 9<sup>th</sup> Applied Medical Sciences Students Annual Meeting (February 19-20). Jeddah, KSA. P61.

### **Continuing Education Courses and Workshops Conducted:**

1. Pain Physiology and Pathophysiology, Kuwait, 1988.
2. Pain Management, Kuwait, 1988.
3. Exercise Therapy in Pain Management, Kuwait, 1988.
4. Physiological Basis of Laser Therapy, Kuwait and Bahrain, 1990.

5. Pharmacology for Physical Therapists: University of Alberta, Canada, 1995
6. Pain Physiology and Pathophysiology, University of Alberta, Canada, 1996
7. Neuropathic pain: Pathophysiology and Management, University of Alberta, Canada, 1997.
8. Research Methods Workshop (Several locations USA, 1998-2002).
9. Pharmacology for therapists: Nashville, Tennessee, USA, 1999
10. Management of patients with SCI, Nashville, Tennessee, USA, 2000; 2001
11. Stroke: different approaches one goal: APTA, USA, 2001.
12. Stroke: patient oriented approach, Nashville, Tennessee, USA, 2002
13. Research Methods Workshop (The Hashemite University, 2003, 2004, 2005).
14. "The role of clinical instructors in clinical education" the Hashemite University (2004).
15. Educating the patients with MS. MS society, Jordan 2005.
16. Neurological Examination and Physical Therapy Diagnosis: Jordan 2006
17. Stroke: Assessment and management, Saudi-German Hospital, Jeddah, Saudi Arabia, 2007.
18. Fundraising. Amman, Jordan, 2008.
19. Lower limb orthosis. Jordan 2008.
20. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Bahrain 2009.
21. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Amman, Jordan 2009.
22. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Damascus, Syria, August 2009.
23. Low Back Pain: Assessment and Management, Damascus, Syria, August 2009.
24. Evidence-Based Practice. Why and How, Dammam, October 2011
25. Writing a Winning Grant. University of Dammam, November 2011
26. Research Methods and Applied Statistics. University of Dammam, Dammam, KSA, April 28-29, 2012.
27. Evidence-Based Practice. Why and How, Dammam, September 2012
28. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Saudi Physical Therapy Association, Riyadh, KSA, May 08 2012.
29. Neurological Examination and Diagnosis for Therapists. University of Dammam, Dammam, KSA. January 30-31, 2013.
30. The Publication Process. University of Dammam, May 2013
31. SPSS, Hands on Workshop. University of Dammam, May 2013

### **Grants and Awards:**

- 1983 Kuwait Scientific Foundation Golden Medal for Academic excellence
- 1985 Scholarship to study for Master of Science (Kuwait University).
- 1991 Studentship to study for PhD (British Council, England).
- 1993 The R.J. Reynolds Award, Institute of Psychiatry, University of London, UK. The effects of nicotinic compounds on rats' learning. (£10,000.00).
- 1994 Rick Hansen Man in Motion (post-doctoral fellowship) University of Alberta. Cellular mechanisms of neuropathic pain (\$47,000.00).
- 1995 Alberta Paraplegic Foundation, University of Alberta, Molecular mechanisms of Neuropathic pain (\$86,000.00).

- 1996 Alberta Heritage Foundation for Medical Research, University of Alberta, Canada. Molecular mechanisms of neuropathic pain (\$88,000.00).
- 1997 Start-up fund to purchase equipment for my laboratory: Tennessee State University. Amount awarded \$ 50,000.00.
- 1998 Additional start-up fund: Dean of School of Allied Health Professions. Amount awarded \$ 20,000.00.
- 1999 Award from the EARDA Grant, Tennessee State University. The molecular mechanisms of neuropathic pain in the aged rats. \$ 7,000.00.
- 2000 Office of the Academic Vice President, Tennessee State University. Amount awarded 40,000.00.
- 2001 Cellular Mechanisms of Peripheral Nerve Injury-Induced Neuropathic Pain in Aged Rats. MBRS. \$ 84,345.00.
- 2002 Award from the RISE Grant, Tennessee State University. Amount awarded \$ 10,000.
- 2003 Professional and career satisfaction of Physical Therapy graduates from the Hashemite University. The Hashemite University JD 1060.00.
- 2004 Establishing a community based rehabilitation centre in the Zarqa governorate. World Bank (\$ 675,000.00) and the Hashemite University (320,000.00); Total awarded US \$995,000.00.
- 2005 Neuropathic pain and the aging process: behavioural, pharmacological, physiological and biochemical studies in rats. The Hashemite University JD 48,585.00.
- 2005 Establishment of Neuroscience Centre and an MSc program at the Hashemite University. IMG grant from Tempus (amount awarded € 260000).
- 2006 AbdelHameed Showman Award for Young Arab Scientists.
- 2013 Effects of Pulsed Low Frequency Magnetic Field Therapy on Patients with Carpal Tunnel Syndrome: A Randomized Double Blind Placebo Controlled Trial. Funded by the University of Dammam (amount awarded SR 199,800.00).
- 2013 The effectiveness of Virtual Reality (VR) in benign paroxysmal positional vertigo (BPPV). Funded by the University of Dammam (amount awarded SR 189,600.00).
- 2014 The association between fatigue and balance in patients with multiple sclerosis. Funded by King Abdelaziz City for Science and Technology (KACST). (amount awarded SR 22,000.00).
- 2014 Effects of Hebane (*Hyoscyamus muticus* L.), Thorn Apple (*Datura stramonium* L.) and Propolis Extracts on Nociceptive and Neuropathic Pain in Rats (Submitted to Deanship of research, University of Dammam)

### **Professional Societies Membership:**

- Pharmacological Society of Canada
- Canadian Association for Neuroscience
- Society for Neuroscience.
- Jordanian Physiotherapy
- Society. World Congress of Physical Therapy.
- European Congress of Physical Therapy
- Arab Congress of Physical Therapy
- American Physical Therapy Association

- Society of Arab Faculties and Institutes of Physiotherapy (Member of the Executive Committee)

### **AD-hoc Manuscript Reviews:**

- Pharmacology Biochemistry and Behavior.
- Brain Research.
- Neuroscience Letter.
- Journal of Neurophysiology
- Pain.
- European Journal of Pain.
- Journal of Family and Community Medicine.

### **Community Services:**

1. Conducting several workshops for professionals (therapist, physicians and nurses in various locations in Jordan and other countries). For complete list see above continuing education courses conducted.
2. Conducting several lectures and workshops for patients (e.g., MS and Rheumatoid Arthritis patients)
3. Establishing the community based rehabilitation centre in Zarqa area.
4. Volunteer in the open days of the Jordanian Physical Therapy Society
5. Volunteer in open days for refugee camps in Jordan
6. Several T.V and Radio programs for public education about low back and neck pain

### **Courses Taught at Different Universities:**

- Neurological physical therapy.
- Motor Learning
- Geriatric.
- Paediatric.
- Research Methods
- Evidence Based Practice and Clinical Decision Making
- Differential Diagnosis.
- Basic Neuroscience.
- Clinical Neuroscience
- Psychology for physical therapy students.
- Clinical Education.
- Special topics in physical therapy.
- Pharmacology.
- Pathophysiology.
- Medicine
- Pathology.
- Exercise Physiology.

### **Courses Taught in the Last Two Years (Name of Institution):**



- Neurological physical therapy, University of Dammam
- Clinical Neuroscience, University of Dammam.
- Research Methods, University of Dammam
- Differential Diagnosis, University of Dammam
- Motor Learning, University of Dammam.
- Case Scenario in Physical Therapy, University of Dammam

**University/Faculty Committees at Different Universities:**

- 1998-2002 Member of the Tennessee State University Annual Conference Committee, Tennessee State University, TN, USA.
- 1999-2002 Member of the President Research Committee, Tennessee State University, TN, USA.
- 1999-2002 Member, School of Allied Health Sciences Curriculum Committee, Tennessee State University, TN, USA.
- 2001-2002 Member of the University Accreditation Committee, Tennessee State University, TN, USA.
- 2003-2007 Member of Faculty of Allied Health Sciences Academic Council, the Hashemite University, Jordan.
- 2003-2007 Chairman of the research committee, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2003-2007 Chairman of the curriculum committee, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2003-2005 Chairman of the Faculty of Allied Health Sciences Clinical Training Committee, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2004-2007 Chairman of the faculty of Allied Health Sciences Scientific Day, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2005 Chairman of the Faculty of Allied Health Sciences Committee responding to the Prime Minister letter, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2005-2006 Chairman of the Faculty of Allied Health Sciences Strategic Planning Committee, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2006 Chairman of the Faculty of Allied Health Sciences Committee in the use of Information Technology and Modern Communication in Higher Education, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
- 2007-2010 Member of the Academic Council, New York Institute of Technology, Amman, Jordan.
- 2007-2010 Member of “SOURCE” Committee, New York Institute of Technology, Amman, Jordan
- 2008-2010 Information Technology Strategic Planning Committee, New York Institute of Technology, New York, USA
- 2011-now Member of the Research Support Unit, University of Dammam, KSA
- 2012 Chair of the Scientific Committee of the Research Methods Conference, University of Dammam, KSA
- 2012-now Member of the financial and administrative committee of the Parallel program, University of Dammam, KSA.
- 2014-now Member of the Research Council, University of Dammam
- 2014-now Member of the Scientific Council, University of Dammam

### **Departmental Committees at Different Universities:**

1999-2002	Chairman of the curriculum Committee, Department of Physical Therapy, School of Allied Health Sciences Curriculum Committee, Tennessee State University, TN, USA.
1999-2002	Chairman of accreditation committee, Department of Physical therapy, School of Allied Health Sciences Curriculum Committee, Tennessee State University, TN, USA.
2002-2003	Member of the Department of Physical Therapy Council, Department of Physical Therapy, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
2003-2007	Chairman of the Department of Physical Therapy Council, Department of Physical Therapy, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
2003-2007	Chairman of the Department of Occupational Therapy Council, Department of Occupational Therapy, Faculty of Allied Health Sciences, the Hashemite University, Jordan.
2007-2010	Chairman of the Department of Physical Therapy Council, New York Institute of Technology, Amman, Jordan
2011-now	Chairman of the graduate program committee, University of Dammam, KSA
2011-now	Member of the Accreditation Committee, University of Dammam, KSA
2011-now	Chair of the Department Research Committee, University of Dammam, KSA
2012-2014	Member of the research centre development committee, University of Dammam, KSA
2014-now	Member of the Doctor of Physical Therapy Committee (DPT), University of Dammam, KSA

### **Students' Research Supervision**

- 10 PhD Students at various Universities
- 49 Master Students at various Universities
- More than 100 graduation undergraduate research projects.