**Fuad A. Abdulla, PT, PhD**

Professor of Neuroscience and Neurorehabilitation,

Department of Physical Therapy

Faculty of Allied Medical Scienc

Philadelphia University

**Personal Data:**

Marital status : Married with 4 children

Nationality : Jordanian/ Canadian

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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: Neuroscience/ Neurorehabilitation

University of London, King’s College/Institute of Psychiatry

London, United Kingdom

1990-1993

**Employment and Positions Held:**

**Clinical Positions:**

1. **Physical Therapist**

Kuwait Ministry of Public Health hospitals

1983-1985.

1. **Home Health Physical Therapist**

Kuwait

1985-1987.

1. **Clinical Instructor**

Kuwait University (In addition to student supervision, I worked two days per week as a staff Physical Therapist). 1988-1990.

1. **Part-time Physical Therapist**

The Maudsley and the Bethlem Royal Hospitals, London, England

1991-1993 (part time).

1. **Albayroni Physical Therapy Centre (co-owner),** Amman,

Jordan: 2009-2013.

1. **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, AlKhobar, KSA, 2011-2022 (students’ supervision).

**Academic Positions:**

1. **Instructor**

Faculty of Medicine, Department of Physiology, Kuwait University, Kuwait

**1985-1987.**

1. **Clinical Instructor**

Faculty of Allied Health Sciences, Department of Physical Therapy, Kuwait University, Kuwait

**1988-1990.**

1. **Teaching Assistant/Instructor**

Institute of Psychiatry, Department of Neuroscience, London, United Kingdom

1991-1993.

1. **Post-doctoral Fellow**

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

1993.

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

Department of Pharmacology and Division of Neuroscience, University of Alberta, Canada

1993-1998.

1. **Associate Professor**

Department of Physical Therapy, Tennessee State University, Tennessee, USA.

1998-2002.

1. **Associate Professor**

School of Graduate Studies, Tennessee State University, Tennessee, USA.

2001-2002.

1. **Associate Professor**

Department of Physical Therapy, the Hashemite University Jordan.

2002-2007.

1. **Full Professor and 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- December 31 2010.

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

Department of Physical Therapy,

Faculty of Applied Medical Sciences

University of Dammam, Saudi Arabia (The name of the University has changed to Imam Abdelrahman Bin Faisal University)

March 2011- September 2022.

1. **Full Professor:**

Department of Physical Therapy,

Faculty of Allied Medical Sciences

Philadelphia University

September 2022 - now.

**Administrative Positions:**

1. **Director of Research**

Tennessee State University, Tennessee, USA.

2000-2002.

1. **Associate Dean/ Acting Dean:**

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

2003-2007.

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

Faculty of Allied Health Sciences, the Hashemite University, Jordan

2003-2007.

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

Faculty of Allied Health Sciences, the Hashemite University, Jordan

2004-2006.

1. **Chairman of Department of Physical Therapy**

Faculty of Allied Health Sciences, the Hashemite University, Jordan

2005-2007.

1. **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- December 31 2010.

1. **Graduate Programs Coordinator:**

Department of Physical Therapy,

Faculty of Applied Medical Sciences

University of Dammam, Saudi Arabia

March 2011- September 2020.

1. **Chairman of Department of Neuroscience Research**

Institute for Research and Medical Consultation

2019 – September 2022.

1. **Chairman of Department of Physical Therapy**

Faculty of Allied Medical Sciences

Philadelphia University, Jordan

September 2022 – now

**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.**,Abdallah, A.F.**,** Albagmi, F.M. and Alshami, A.M. (2022) Psychometric properties of an Arabic version of the five-item modified fatigue impact scale. Submitted to *Physical Medicine and Rehabilitation*.
2. Albagmi, F.M., Alansari, A., Kudos, S. A., Olatunji, S.O and **Abdulla, F.A.** (2022) A state-of-the-art technique for diagnosing quality of life in multiple sclerosis patients using machine learning approaches. Submitted to *Saudi Journal of Biological Sciences*.
3. Al-Arfaj, S.K., Abdallah, A.F. and **Abdulla, F.A.** (2022) Psychometric properties of an Arabic translation of the chronic pain acceptance questionnaire (CPAQ) in a sample of patients with chronic pain. Accepted for publication in *Disability and Rehabilitation* bending corrections.
4. Alkhamis, F.A., Jabali, A., and **Abdulla, F.A.** (2022) Electronic health records perception among three healthcare providers specialties in Saudi Arabia: A cross-sectional study. *Healthcare Technology Letters*, In press.
5. Farooq, R.K., Alamoudi, W., Alhibshi, A., Rehman, S., Sharma, A.R., **Abdulla, F.A.** (2022) Varied Composition and Underlying Mechanisms of Gut Microbiome in Neuroinflammation. *Microorganisms.* 10(4):705. doi: 10.3390/microorganisms10040705.
6. **Abdulla, F.A.** and Albagmi, F.M. and AlKhamis, F. (2022) Factors that influence Quality of Life in Patients with Multiple Sclerosis in Saudi Arabia. *Disability and Rehabilitation.* 44(17):4775-4783.
7. Alshami, A.M., Alshammri, T., AlMuhaish, M.I., Hegazi, T. M., Tamal, M. and **Abdulla F.A.** (2022) Sciatic nerve excursion during neural mobilization with ankle movement using dynamic ultrasound imaging: A cross-sectional study. *J Ultrasound*. 1-9. https://doi.org/10.1007/s40477-021-00595-7.
8. Alawami, A. and **Abdulla, F.A.** (2021)Psychometric Properties of an Arabic Version of the Fatigue Impact Scale in Patients with Multiple Sclerosis. *Disability and Rehabilitation.* 43(22):3251-3259. doi: 10.1080/09638288.2020.1731853.
9. **Abdulla, F.A.**, AlSaadi, S., Sadat-AliMIR, AlKhamis, F., Alkhawaja, H. and Lo, S. (2019) Effects of pulsed low frequency magnetic field therapy on pain intensity in patients with musculoskeletal chronic low back pain: study protocol for a randomized double-blind placebo-controlled trial. *BMJ Open*, **9 (6)**: e024650.
10. **Abdulla, F.A.**, AlKhamis, F., Alsulaiman, A.A. and Alshami, M.A. (2019) Psychometric Properties of an Arabic Version of the Fatigue Severity Scale in Patients with Stroke. Topics in Stroke Rehabilitation, 2019, **26(6):** 448.
11. Sallam, S., Alkhamis F, Muaidi Q and **Abdulla, F.A.** (2019) Translation and Validation of the Stroke Specific Quality of Life Scale into Arabic. Neurorehabilitation, **44(2):** 283-293.
12. **Abdulla, F.A.** and Mansi A. [Adaptive trainer for muscle and joint conditioning](javascript:void(0)).

Justia Patents, Patent number: 10052512, USA

1. Naseef, M, and **Abdulla, F.A.** (2017)Effects of Salvia Officinalis on Pressure Ulcer Healing in Albino Rats*. J. Biol Sci.,* *14:* 192.
2. Qnais, E.Y., **Abdulla, F.A.,** Kaddumi, E.G., Abdalla, S.S. (2013) [Antidiarrheal Activity of Laurus nobilis L. Leaf Extract in Rats.](http://www.ncbi.nlm.nih.gov/pubmed/22082096) *J Med Food.* **15(1):** 51.
3. 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.
4. 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.
5. [Qnais](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A(Qnais%2C+Esam+Y.)), E.Y., [Abu-Dieyeh, M.,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A(Abu%5C-Dieyeh%2C+Mohamed)) [**Abdulla, F.A.** and](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A(Abdulla%2C+Fuad.+A.))[Abdalla](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A(Abdalla%2C+Shtaywy+S.)), S.S. (2010) [The antinociceptive and anti-inflammatory effects of Salvia officinalis leaf aqueous and butanol extracts](http://informahealthcare.com/doi/abs/10.3109/13880200903530763). *Pharmaceutical Biol.* **48(10)**: 1149.
6. 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*.*
7. **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.
8. **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.
9. 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*.*
10. Smith, P.A., Moran TD, **Abdulla, F.A.** and Taylor, B.K. (2007) Spinal Mechanisms of NPY Analgesia. *Peptide* **28(2):** 464.
11. Nassaj, A.M. and **Abdulla, F.A.** (2006) Integration of physically challenged students into the public schools in Jordan. *Rehabil Psychol.* 51(3): 293.
12. Othman, I., Maheidat, R., Abu-Dieah, M. and **Abdulla, F.A.** (2006) Effects of Motivation on Physical Performance among College Students. Bulletin: Proceedings of the 9th International Scientific Conference, Cairo University. 193-198.
13. **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
14. 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.
15. 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.
16. **Abdulla, F.A.** (2005) Pain fibres contribute to the generation of subcortical somatosensory evoked potentials (SEPs) in rats. *Func. Neurol* **20:** 17.
17. **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.
18. **Abdulla, F.A.** and Smith, P.A. (2002) Changes in Na+ channel currents of rat dorsal root ganglion neurons following axotomy and axotomy-induced autotomy. *J. Neurophysiol*. **88:** 2518.
19. 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.
20. **Abdulla, F.A.** and Smith, P.A. (2001) Axotomy and autotomy-induced changes in Ca2+ and K+ channel currents of rat dorsal root ganglion neurons. *J. Neurophysiol.* **85(2):** 644.
21. **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.
22. **Abdulla, F.A.** Stabbing, M and Smith, P.A. (2001) Effects of substance P on excitability and axotomized rat dorsal root ganglion. *Eur. J. Nerurosci.* **13(3):** 545.
23. Moran, T.D., **Abdulla, F.A.** and Smith, P.A. (2000) Cellular neurophysiological actions of nociceptin/orphanin FQ. *Peptides.* **21(7):** 969.
24. **Abdulla, F.A.** and Smith, P.A. (1999) Neuropeptide Y actions and the distribution of Ca2+-dependent Cl- conductance in rat dorsal root ganglion neurons. *J. Auto. Ner. Sys.* **78(1):** 24.
25. **Abdulla, F.A.** and Smith, P.A. (1999) Nerve injury increases an excitatory action of neuropeptide Y and Y2-agonists on dorsal root ganglion neurones. *Neurosci.* **89(1):** 43-60.
26. Smith, P.A. and **Abdulla, F.A. (1999)** Nerve injury-induced changes in calcium channels functions. Canadian J. Pharmacol. 22: 121.
27. **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.
28. **Abdulla, F.A.** and Smith, P.A. (1997) Nociceptin inhibits T-type Ca2+-channel current in rat sensory neurons by a G-protein-independent mechanism. *J. Neurosci.* **17(22):** 8721.
29. **Abdulla, F.A.** and Smith, P.A. (1997) Ectopic α2-adrenoceptors couple to N-type Ca+2 channels in axotomized rat sensory neurones. *J. Neurosci.* **17(5):** 1633.
30. **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 α-amino-3-OH-4-isoxozole propionic acid (AMPA). *Brain Res. Bull.* **42:** 407.
31. **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 α-amino-3-OH-4-isoxozole propionic acid (AMPA): effects of basal forebrain transplants into neocortex. *Brain Res. Bull.* **42:** 169.
32. 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 α-amino-3-OH-4-isoxozole propionic acid (AMPA): reversal by basal forebrain transplants. *Brain Res. Bull.,* **42:** 79.
33. **Abdulla, F.A.,** Colmers, W.F. and Smith, P.A. (1997) An excitatory action of Y2-agonists on sensory neurones that is potentiated by nerve injury. *J. Aut. Nervous Sys.* **65:** 115.
34. 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.
35. **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. 1996, 124(4): 323.
36. **Abdulla, F.A.,** Colmers, W.F. and Smith, P.A. (1996) Axotomy increases the response of rat sensory neurones to Y2 agonists. *Br. J. Pharmacol.,* **119:** 162.
37. **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:** 37.
38. **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 [3H]nicotine binding sites. *Synapse,* **21(4):** 281.
39. **Abdulla, F.A.**, Smith, S.E., Calaminici, M.-R., Stephenson, J.D., Sinden, J.D., Meldrum B.S. and Gray, J.A. (1995) Cholinoceptor 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.
40. **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.
41. **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:** 56.
42. **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:** 144.
43. **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 α-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.
44. **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.
45. **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:** 437.
46. **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.) 269.
47. **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.): 92.
48. **Abdulla, F.A.**, Calaminici, M.-R., Stephenson, J.D. and Sinden, J.D. (1993) Chronic treatment with cholinoceptor drugs influence spatial learning in rats. *Psychopharmacology,* **111(4):** 508.
49. 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.
50. **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.
51. **Abdulla, F.A.**, Calaminici, M.-R., Sinden, J.D. and Stephenson, J.D. (1993) Centrally acting drugs alter sensorimotor deficit induced by unilateral α-amino-3-OH-4-isoxozole propionic acid (AMPA) lesion of nucleus basalis (nb). *Br. J. Pharmacol.,* **109:** 72.
52. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA) alter rat frontal cortex pyramidal cell sensitivity to nicotine. *Br. J. Pharmacol.,* **109:** 32.
53. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA) lesions of nucleus basalis magnocellularis and after embryonic basal forebrain transplants. *J. Neurotransplantation Plasticity,* **3:** 297-298.
54. **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:** 39.
55. **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.
56. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA) lesions of nucleus basalis magnocellularis and after embryonic basal forebrain transplants. *Restorative Neurol. Neurosci.,* **4:** 209.
57. Onuoha, A.R. and **Abdulla, F.A.** (1991) Professional and career satisfaction of Physical Therapy graduates from Kuwait University. *Physiotherapy*, **77:** 295.
58. **Abdulla, F.A.** and Aneja, I.S. (1990) Localization of morphine action by evoked potentials. *Pharmacist (Kuwait)*. 11(4): 20.
59. **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.
60. **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:** 390.
61. **Abdulla, F.A.**, Aneja, I.S., Bahargava, K.P., Ahmed, B. and Mathew, J. (1987) Effect of morphine on subcortical somatosensory evoked potentials. *Neurosci.,* **22:** 318.

***C) Abstracts:***

1. **Abdulla, F.A.** (2018). Therapeutic effects of pulsed low frequency magnetic field therapy. ARAMCO 2nd Health Conference, Dahran, KSA.
2. Alawami, A.S. and **Abdulla, F.A.** (2016) Effects of Pulsed Low Frequency Magnetic Field Therapy and Virtual Reality Programs on Fatigue and Balance Impairments in Patients with Relapsing Remitting Multiple Sclerosis. KAIMRC-er 5TH Research Day. May 5th 2016. KSAU, convention Centre, KAH Al-Ahsa.
3. Alabdulsalam, A.A. and **Abdulla, F.A.** (2016) Obesity Impair Postural Stability Through Multiple Mechanisms. KAIMRC-er 5TH Research Day. May 5th 2016. KSAU, convention Centre, KAH Al-Ahsa.
4. AlAwami, A., Abualiat, T. and **Abdulla, F.A.** (2015) Association between fatigue and balance in patients with multiple sclerosis. 9th Applied Medical

Sciences Students Annual Meeting (February 4-5). Jeddah, KSA. P31.

1. Abugrain, J., **Abdulla, F.A.** (2014) Effects of body mass index on postural stability in young adults. 10th Applied Medical Sciences Students Annual

Meeting (March 14-15). Jeddah, KSA. P44.

1. 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. 9th Applied Medical Sciences Annual Meeting (February 19-20). Jeddah, KSA. P61.
2. Alghamdi, H., Alsada, F., Albasateni H. and **Abdulla, F.A.** (2012) Prevalence of and Risk Factors Associated with Urinary Incontinence of Saudi Females in the Eastern Province. 5th Students Research Day, University of Dammam. Dammam, KSA.
3. **Abdulla, F.A.** (2012) The Hemiplegic Shoulder: What is New? Second Conferences of the Saudi Physcial Therapy Association (May 8-10). Riyadh, KSA.
4. **Abdulla, F.A.** (2012) Spasticity: pathophysiology, assessment and management. Second Conferences of the Saudi Physical Therapy Association (May 8-10). Riyadh, KSA.
5. Dabbas, D. and **Abdulla, F.A**. (2010) Urinary Incontinence among Jordanian Women. Physical Therapy conference, University of Jordan
6. **Abdulla, F.A**. (2009) Low Back Pain: A Physical Therapy Approach. Syrian Physical Therapy Association.
7. **Abdulla, F.A.** (2009) The Hemiplegic Shoulder: An Evidence Based Approach. The 4th international Physical Therapy Conference, Bahrain.
8. **Abdulla, F.A** (2009) Passive Stretch Reduces Spasticity in Children with Cerebral Palsy. The 4th international Physical Therapy Conference, Bahrain.
9. Dabbas, D., Abbani, F. and **Abdulla, F.A.** (2009) Prevalence and Risk Factors of Urinary Incontinence among Jordanian Women. 11th International Scientific Conference, Cairo University*.*
10. **Abdulla F.A.,** Sarakbi N.H. AND Qnais E (2008) Effects of weight bearing on spasticity in children with spastic cerebral palsy. The 6th Medical Conference of the Faculty of Medicine, Jordan University of Science and Technology. pp 19.
11. 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. 3rd International Scientific Conference of the Jordanian Physical Therapy Society. pp 7.
12. Jarrar M. and **Abdulla F.A.** (2008) Effect of magnet therapy vs. exercises in the management of osteoporosis. 11th International Scientific Conference, Cairo University.
13. **Abdulla, FA** and Sarakbi NH (2007) Passive stretch and spasticity. First scientific Conference of School of Rehabilitation Sciences, University of Jordan.
14. **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.
15. **Abdulla, F.A.** (2007) Plasticity after central nervous system lesions. Physical Therapy conference, University of Jordan.
16. **Abdulla F.A.** (2007) New advances in CVA assessment and management. Ist symposium of Saudi German Hospital, Jeddah.
17. **Abdulla, F.**A. (2007) Passive stretch reduces spasticity in children with spastic cerebral palsy. 10th International Scientific Conference, Cairo University.
18. **Abdulla, F.A.** and Qnais, E.Y. (2006) Cognitive alteration after stroke is associated with an increase in cholinergic neurons sensitivity in rats. 3rd Royal Medical Services International Conference.
19. Beseso, Y., Qnais, E.Y. and **Abdulla, F.A.** (2006) Anti-nociceptive effects of leaf aqueous extract of Hyoscyamus muticus L in rats. 3rd Royal Medical Services International Conference.
20. 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. 3rd Royal Medical Services International Conference.
21. **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.
22. 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.
23. **Abdulla, F.A.** (2006) Spasticity: pathophysiology, assessment and management. 2nd conference of Jordanian physical therapy association.
24. **Abdulla, F.A.** (2006) Somatosensoty evoked potentials as a tool for pain assessment. 2nd conference of Jordanian physical therapy association.
25. **Abdulla, F.A.** (2006) Management of Spasticity. Al-Fatih University Conference, Libya, Tripoli.
26. **Abdulla, F.A.** (2006) Pain Pathophysiology. Al-Fatih University Conference, Libya, Tripoli.
27. Sharaqbi, N. and **Abdulla, F.A.** (2005) Passive stretch reduces spasticity in children with cerebral palsy. The Third Physiotherapy Days of Saint-Joseph University.
28. **Abdulla, F.**A. (2005) Somatosensory evoked potentials as a tool for pain measurement. Faculty of Allied Health Sciences Scientific Day.
29. 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.
30. **Abdulla, F.A**. (2005) Subcortical somatosensory evoked potentials as a tool for pain measurement. The Third Physiotherapy Days of Saint-Joseph University.
31. **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.
32. **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.
33. **Abdulla, F.A.** and Smith, P.A.(2002) Changes in Na+ channel currents of rat dorsal root ganglion neurons following axotomy and autotomy-induced. *APTA annual meeting.*
34. 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.*
35. **Abdulla, F.A.** and Smith, P.A. (2002) Changes in Na+ channel currents of rat dorsal root ganglion neurons following axotomy and autotomy-induced. *Tennessee State University Research Symposium*.
36. **Abdulla, F.A.** (2001) Fibre types that contribute to the subcortical somatosensory evoked potentials in rats. *Tennessee State University Research Symposium.*
37. **Abdulla, F.A.** and Aneja, I.S. (2001) Small diameter fibres contribute to the subcortical somatosensory evoked potentials in rats. APTA, Anaheim, California.
38. **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.
39. 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.
40. Dowe, T., Grant, C., Ingram, C. and **Abdulla, F.A.** (2000) The effects of motivation on performance. *Tennessee State University Research Symposium.* **22:** 34.
41. **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.
42. Smith, P.A. and **Abdulla, F.A.** (1999) Nerve injury-induced changes in calcium channels functions. *Canadian Pharmacological Meeting.*
43. **Abdulla, F.A.** and Smith, P.A. (1998) Axotomy alters the response of dorsal root ganglion neurons to substance P. *Society of Neuroscience Meeting*.
44. 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. *British Pathological Society Meeting,* 1997.
45. **Abdulla, F.A.,** Colmers, W.F. and Smith, P.A. (1997) An excitatory action of Y2-agonists on sensory neurones that is potentiated by nerve injury. *British Physiological Society Meeting, 1997.*
46. **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. Meeting*.
47. **Abdulla, F.A.** and Smith, P.A. (1996) Increased excitability of damaged rat sensory neurones involves altered coupling between calcium channels and adrenoceptors. British Physiological Society Meeting, 1997.
48. **Abdulla, F.A.,** Colmers, W.F. and Smith, P.A. (1996) Axotomy increases the response of rat sensory neurones to Y2 agonists. British Physiological Society Meeting, 1997.
49. **Abdulla, F.A.** and Smith, P.A. (1996) Altered coupling of calcium channels to adrenoceptors invokes ectopic activity in damaged rat sensory nerves. *Society of Neuroscience Meeting****.***
50. **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 Canadian Physiological Society Meeting.*
51. **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. *Canadian Physiological Society Meeting.*
52. **Abdulla, F.A.** and Smith, P.A. (1995) Action potentials and calcium currents of axotomized rat dorsal root ganglion neurones. *Society of Neuroscience Meeting****.***
53. **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. The 5th International Symposium on Neural Transplantation, Paris, 25-29, 1994.
54. 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. *The 5th International Symposium on Pharmacology of Cerebral Ischaemia, Marburg.*
55. **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.**
56. **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 dlkofer, F. (Eds). Birkhauser Verlag, Basel. **P 75.**
57. **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. *British Pharmacological Society Meeting****.***
58. **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. *British Pharmacological Society Meeting****.***
59. **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 Physiological Society Meeting*.
60. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA) alter rat frontal cortex pyramidal cell sensitivity to nicotine. *British Pharmacological Society Meeting.*
61. **Abdulla, F.A.**, Calaminici, M.-R., Sinden, J.D. and Stephenson, J.D. (1993) Centrally acting drugs alter sensorimotor deficit induced by unilateral α-amino-3-OH-4-isoxozole propionic acid (AMPA) lesion of nucleus basalis (nb). *British Pharmacological Society Meeting.*
62. **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.
63. **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. *Society of Neuroscience Meeting.*
64. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission: function and dysfunction.* Montreal, P71, 68.
65. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission:function and dysfunction.* Montreal.
66. 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 α-amino-3-oh-4-isoxozole propionic acid (AMPA). *8th international cholinergic symposium: cholinergic neurotransmission: function and dysfunction.* Montreal, P69, 68.
67. **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.
68. **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 α-amino-3-oh-4-isoxozole propionic acid (AMPA) lesions of nucleus basalis magnocellularis and after embryonic basal forebrain transplants. *3rd Neural Transplantation Meeting, Washington D.C.*
69. **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.
70. 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.
71. **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*.
72. 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*.
73. **Abdulla, F.A.**, Aneja, I.S., Bahargava, K.P., Ahmed, B. and Mathew, J. (1987) Effect of morphine on subcortical somatosensory evoked potentials. *5th International Brain Organization Meeting, Budapest.*

**Patent**

* [Adaptive trainer for muscle and joint conditioning](javascript:void(0)). Justia Patents, Patent number: 10052512, USA. Registered August 2018.

**Contribution to Scientific Conferences and Symposia**

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| --- | --- | --- | --- |
| **#** | **Conference Title** | **Place and Date of the Conference** | **Extent of Contribution** |
| 1. | Applied Medical Sciences 10th Research Day | Imam Abdulrahman Bin Faisal University, 2021 | Referee |
| 2. | Applied Medical Sciences 9th Research Day | Imam Abdulrahman Bin Faisal University, 2020 | Referee |
| 3. | Applied Medical Sciences 8th Research Day | IAU, 2019 | Referee |
| 4. | The Art and Science of Function, Rehabilitation Symposium 2018 | Dhahran, December 12-13, 2018 | Presenter |
| 5. | KAIMRC-er 5TH Research Day. May 5th 2016. | KSA, 2016 | Presenter |
| 6. | 7th Students Research Conference | Dammam, 2016 | Referee |
| 7. | Saudi Health Symposium | Riyadh, 2016 | Presenter |
| 8. | 11th Applied Medical  Sciences Students Annual Meeting, 2015 | Jeddah, 2015 | Presenter |
| 9. | 3rd Gulf Physical Therapy Colloquium | Khoubar, 2015 | Chairman of Scientific Committee, Presenter |
| 10. | 10th Applied Medical Sciences Annual Meeting, 2014. | Jeddah, 2014 | Presenter |
| 11. | Research Methods and Applied Statistics-II | Dammam, 2013 | President, Presenter |
| 12. | 9th Applied Medical Sciences Annual Meeting, 2013. | Jeddah, 2013 | Presenter |
| 13. | Second Conferences of the Saudi Physical Therapy Association, 2012. | Riyadh, 2012 | Presenter |
| 14. | Research Methods and Applied Statistics-I | Dammam, 2012 | President, Presenter |
| 15. | Physical Therapy conference, 2010 | Amman, Jordan, 2010 | Head of Organization Committee, Presenter |
| 16. | Syrian Physical Therapy Association, 2009. | Damascus, Syria, 2009 | Presenter |
| 17. | The 4th international Physical Therapy Conference, Bahrain, 2009. | Bahrain, 2009 | Presenter |
| 18. | 11th International Scientific Conference, Cairo University, 2009. | Cairo University, 2009 | Presenter |
| 19. | The 6th Medical Conference of the Faculty of Medicine, Jordan University of Science and Technology, 2008. | Irbid, Jordan, 2008 | Presenter |
| 20. | 3rd International Scientific Conference of the Jordanian Physical Therapy Society, 2008. | Amman, Jordan, 2008 | Presenter |
| 21. | 10th International Scientific Conference, Cairo University, 2008. | Cairo University, 2008 | Presenter |
| 22. | The first Jordanian Italian Artificial Limb and Assistive Devices, 2007. | Amman, Jordan, 2007 | Presenter |
| 23. | First scientific Conference of School of Rehabilitation Sciences, University of Jordan, 2007. | University of Jordan, 2007 | Presenter |
| 24. | Ist symposium of Saudi German Hospital, 2007. | Jeddah, 2007 | Presenter |
| 25. | Physical  Therapy conference, University of Jordan, 2007. | University of Jordan, 2007 | Presenter |
| 26. | 9th International Scientific Conference, Cairo University, 2007. | Cairo University, 2007 | Presenter |
| 27. | Al-Fatih University Conference, Libya, Tripoli, 2006. | Libya, Tripoli, 2006 | Presenter |
| 28. | 2nd conference of Jordanian physical therapy association, 2006. | Amman, Jordan, 2006 | Presenter |
| 29. | 8th International Scientific Conference, Cairo University, 2006. | Cairo University, 2006 | Presenter |
| 30. | 3rd Royal Medical Services International Conference, 2006. | Amman, Jordan, 2006 | Presenter |
| 31. | The Third Physiotherapy Days of Saint-Joseph University, 2005. | Lebanon, 2005 | Presenter |
| 32. | School of Education Conference, The Hashemite University, 2005. | Zarqa, Jordan, 2005 | Presenter |
| 33. | Biological Sciences and Society: Services and Obstacles. Yarmouk University, 2004. | Irbid, Jordan, 2004 | Presenter |
| 34. | Tennessee State University Research Symposium, 2002. | Tennessee, USA, 2002 | Presenter |
| 35. | APTA annual meeting, 2002. |  | Presenter |
| 36. | APTA annual meeting, 2002. |  | Presenter |
| 37. | Tennessee State University Research Symposium, 2001. | Tennessee, USA, 2001 | Presenter |
| 38. | APTA, Anaheim, California, 2001. |  | Presenter |
| 39. | Tennessee State University Research Symposium, 2000. | Tennessee, USA, 2000 | Presenter |
| 40. | Canadian Pharmacological Society Meeting, 1999. | [Saskatewan, Canada](https://www.google.com/search?safe=active&q=Saskatewan,+Canada&spell=1&sa=X&ved=0ahUKEwip6qjL0vLhAhWI3OAKHQGSA_gQkeECCCooAA), 1999 | Presenter |
| 41. | Tennessee State University Research Symposium, 1999. | Tennessee, USA, 1999 | Presenter |
| 42. | Society of Neuroscience Meeting, 1998. | USA, 1998 | Presenter |
| 43. | Society of Neuroscience Meeting, 1997. | USA, 1997 | Presenter |
| 44. | British Physiological Society Meeting, 1997. | UK, 1997 | Presenter |
| 45. | Society of Neuroscience Meeting, 1996. | USA, 1996 | Presenter |
| 46. | British Pharmacological Society Meeting, 1996. | UK, 1996 | Presenter |
| 47. | Society of Neuroscience Meeting, 1995. | USA, 1995 | Presenter |
| 48. | Canadian Federation of Biological Society Meeting, 1995. | Canada, 1995 | Presenter |
| 49. | International Symposium on Nicotine: the Effects of  Nicotine on Biological Systems II, 1994. | Montreal, 1994 | Presenter |
| 50. | The 5th International Symposium on Pharmacology of Cerebral Ischaemia, Marburg, 1994. | Marburg, Germany, 1994 | Presenter |
| 51. | The 5th International Symposium on Neural Transplantation, Paris, 1994. | Paris, France, 1994 | Presenter |
| 52. | Canadian Physiological Society Meeting, 1994. | Canada, 1994 | Presenter |
| 53. | British Pharmacological Society Meeting, 1994. | UK, 1994 | Presenter |
| 54. | Society of Neuroscience Meeting, 1993. | USA, 1993 | Presenter |
| 55. | The XXXII nd International Congress of Physiological Sciences, Glasgow, 1993. | Glasgow, 1993 | Presenter |
| 56. | British Pharmacological Society Meeting, 1993. | UK, 1993 | Presenter |
| 57. | 8th international cholinergic symposium: cholinergic  Neurotransmission: function and dysfunction. Montreal, 1992. | Montreal, 1992 | Presenter |
| 58. | 3rd Neural Transplantation Meeting, Washington D.C., 1992. |  | Presenter |
| 59. | British Pharmacological Society Meeting, 1992. | UK, 1992 | Presenter |
| 60. | The XXIII Annual Conference of the Indian Association of Physiotherapist, Newdalhi, India, 1990. | Newdalhi, India, 1990 | Presenter |
| 61. | Kuwaiti Pharmacological Society Meeting, 1990 | Kuwait, 1990 | Presenter |
| 62. | Pain Workshop, Kuwait, 1989. | Kuwait, 1989 | Presenter |
| 63. | Annual Meeting of the  [Federation of American Societies for Experimental Biology, New Orleans, 1987.](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwixzfHquvDhAhWt1eAKHVaNCIYQFjAAegQIAhAB&url=http%3A%2F%2Fwww.faseb.org%2F&usg=AOvVaw35Gngpe4lda9IOECsp1mDL) | New Orleans, 1987 | Presenter |
| 64. | 5th International Brain Organization Meeting, Budapest, 1987. | Budapest, 1987 | Presenter |

**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, Alexandra, 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. 21st 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.
70. On the Pathways for Quality Assured Research. University of Dammam and Thomson Reuters Strategic Partnership. March 08 2015.
71. Essential Skills in Health Professions Education. Module 1. Medical Education, University of Dammam. December 21-23 2015
72. Essential Skills in Health Professions Education. Module 2 Teaching and learning. Medical Education, University of Dammam. February 1-3 2016
73. Essential Skills in Health Professions Education. Module 3 Assessment. Medical Education, University of Dammam. April 18-20 2016.
74. Program specification and skills. Imam Abdulrahman Bin Faisal University, DQAA. October 2016.
75. Course and Field Experience Specification and Reports. Imam Abdulrahman Bin Faisal University, DQAA. February 2017.
76. Key Performance Indicators and Benchmarking. Imam Abdulrahman Bin Faisal University, DQAA. March 2017.
77. Planning and Implementation of Self Study for Program Accreditation. Imam Abdulrahman Bin Faisal University, DQAA. April 2017.
78. Checklist of Academic Accreditation Activities. Imam Abdulrahman Bin Faisal University, DQAA. December 2017.
79. Planning and Implementation of Self Study for Program Accreditation. Imam bdulrahman Bin Faisal University, DQAA. February 2018.
80. Quality Management System (ISO 9001). Imam Abdulrahman Bin Faisal University. April 2018.
81. Faculty Mentorship Program. Imam Abdulrahman Bin Faisal University, Deanship of Academic Development. December 2018.
82. Various Universities’ Ranking System. Imam Abdulrahman Bin Faisal University. Deanship of Scientific Research. January 2019
83. Social Responsibility Bank. Imam Abdulrahman Bin Faisal University. November 2019.
84. The 21 century classroom. Imam Abdulrahman Bin Faisal University. January 2020.
85. Homework and examination in the Distance learning era. Imam Abdulrahman Bin Faisal University. November 2020.
86. Open Book Exams. Imam Abdulrahman Bin Faisal University. November 2020

**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

* + - 1. Pain Physiology and Pathophyssiology, University of Alberta,

Canada, 1996

* + - 1. Neuropathic pain: Pathophysiology and Management, University of Alberta, Canada, 1997.
      2. Research Methods Workshop (Several locations USA, 1998-2002).
      3. Pharmacology for therapists: Nashville, Tennessee, USA, 1999
      4. Management of patients with SCI, Nashville, Tennessee, USA, 2000; 2001
      5. Stroke: different approaches one goal: APTA, USA, 2001.
      6. Stroke: patient oriented approach, Nashville, Tennessee, USA, 2002
      7. Research Methods Workshop (The Hashemite University, 2003, 2004, 2005).
      8. “The role of clinical instructors in clinical education” the Hashemite University (2004).
      9. Educating the patients with MS. MS society, Jordan 2005.
      10. Neurological Examination and Physical Therapy Diagnosis: Jordan 2006
      11. Stroke: Assessment and management, Saudi-German Hospital, Jeddah, Saudi Arabia, 2007.
      12. Fundraising. Amman, Jordan, 2008.
      13. Lower limb orthesis. Jordan 2008.
      14. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Bahrain 2009.
      15. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Amman, Jordan 2009.
      16. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Damascus, Syria, August 2009.
      17. Low Back Pain: Assessment and Management, Damascus, Syria, August 2009.
      18. Evidence-Based Practice. Why and How, Dammam, October 2011
      19. Writing a Winning Grant. University of Dammam, November 2011
      20. Research Methods and Applied Statistics. University of Dammam, Dammam, KSA, April 28-29, 2012.
      21. Evidence-Based Practice. Why and How, Dammam, September 2012
      22. Evaluation and Management of the Hemiplegic Shoulder: Evidence Based Approach. Saudi Physical Therapy Association, Riyadh, KSA, May 08 2012.
      23. Neurological Examination and Diagnosis for Therapists. University of Dammam, Dammam, KSA. January 30-31, 2013.
      24. The Publication Process. University of Dammam, May 2013
      25. SPSS, Hands on Workshop. University of Dammam, May 2013
      26. New Trends in the Management of Patients with Stroke. King Fahd University Hospital, Dammam, March 2015.
      27. Evidence Based Practice. SPTA, Dammam, November 2015.
      28. Evidence Based Practice. SPTA, Rehabilitation Conference, Riyadh May 2016.
      29. Research Methodology. Ministry of Health, Nursing Administration, Eastern Province, KSA. December 2017.
      30. Urinary Incontinence: Role of the Rehabilitation Therapist. King Fahd Military Complex, March 2018.
      31. Systematic Review from A to Z. Eastern Province PTs, KSA, October 2019.
      32. Translation and validation studies: from A to Z. Imam Abdulrahman Bin Faisal University, October 2020.

**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).

1. Rick Hansen Man in Motion (post-doctoral fellowship) University of Alberta. Cellular mechanisms of neuropathic pain ($47,000.00).
2. Alberta Paraplegic Foundation, University of Alberta, Molecular mechanisms of Neuropathic pain ($86,000.00).
3. Alberta Heritage Foundation for Medical Research, University of Alberta, Canada. Molecular mechanisms of neuropathic pain ($88,000.00).
4. Start-up fund to purchase equipment for my laboratory: Tennessee State University. Amount awarded $ 50,000.00.
5. 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.

1. Office of the Academic Vice President, Tennessee State University. Amount awarded 40,000.00.
2. Cellular Mechanisms of Peripheral Nerve Injury-Induced Neuropathic Pain in Aged Rats. MBRS. $ 84,345.00.
3. Award from the RISE Grant, Tennessee State University. Amount awarded $ 10,000.
4. Professional and career satisfaction of Physical Therapy graduates from the Hashemite University. The Hashemite University JD 1060.00.
5. 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.

1. Establishment of Neuroscience Centre and an MSc program at the Hashemite University. IMG grant from Tempus (amount awarded € 260,000.00).
2. AbdelHameed Showman Award for Young Arab Scientists.

2014 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).

2014 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).

2015 Effects of Hebane (Hyoscyamus muticus L.), Thorn Apple (Datura stramonium L.) and Propolis Extracts on Nociceptive and Neuropathic Pain in Rats. University of Dammam, amount awarded SR199, 600.00.

2015 Uses of Electronic data bases in Saudi Arabia Hospitals. University of Dammam (amount awarded SR 92,850.00).

2017 Effects of Pulsed Low Frequency Magnetic Field Therapy on Patients with Various Types of Low Back Pain: A Randomized Double Blind Placebo Controlled Trial. Funded by Imam Abdulrahman Bin Faisal University (amount awarded SR 198,600.00).

2017 Effects of Pulsed Low Frequency Magnetic Field Therapy on Patients with Erectile Dysfunction: A Randomized Double Blind Placebo Controlled Trial. Funded by the Imam Abdulrahman Bin Faisal University (amount awarded SR 199,600.00).

2021 Long-term effects of COVID-19. Imam Abdulrahman Bin Faisal University (Accepted).

**Professional Societies Membership:**

* Jordanian Physiotherapy
* World Congress of Physical Therapy Society.
* European Congress of Physical Therapy
* Arab Congress of Physical Therapy
* American Physical Therapy Association
* Pharmacological Society of Canada
* Canadian Association for Neuroscience
* Society for Neuroscience.
* Society of Arab Faculties and Institutes of Physiotherapy (Member of the Executive Committee 2003-2007)

**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.
* Journal of Medicine and Medical Sciences
* Neurorehabilitation
* Saudi Journal of Medicine and Medical Sciences
* Topics in Stroke Rehabilitation
* Journal of Manipulative and Physiological Therapeutics
* Disability and Rehabilitation
* Evidence-Based Complementary and Alternative Medicine
* Neuropsychiatric Disease and Treatment.
* Neurodegenerative Disease Management

**Community Services:**

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.

Conducting several lectures and workshops for patients (e.g., MS and Rheumatoid Arthritis patients)

Establishing the community based rehabilitation centre in Zarqa area. Jordan.

Volunteer in the open days of the Jordanian Physical Therapy Society

Volunteer in open days for refugee camps in Jordan

Several T.V and Radio programs for public education about low back and neck pain, Jordan.

Scoliosis screening for school children, Eastern Province, KSA.

Public awareness of sedentary life risk and obesity, Eastern Province, KSA.

**Courses Taught at Different Universities:**

1. Neurological physical therapy.
2. Motor Control
3. Motor Learning
4. Geriatric.
5. Paediatric.
6. Research Methods
7. Evidence Based Practice and Clinical Decision Making
8. Differential Diagnosis.
9. Basic Neuroscience.
10. Clinical Neuroscience
11. Psychology for physical therapy students.
12. Psychology of disability
13. Clinical Education.
14. Special topics in physical therapy.
15. Exercise Physiology.
16. Pharmacology.
17. Pathophysiology.
18. Medicine
19. Pathology.

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

1. Neurological physical therapy, Imam Abdulrahman Bin Faisal University.
2. Clinical Neuroscience, Imam Abdulrahman Bin Faisal University.
3. Research Methods, Imam Abdulrahman Bin Faisal University.
4. Evidence Based Practice, Imam Abdulrahman Bin Faisal University.
5. Differential Diagnosis, Imam Abdulrahman Bin Faisal University.
6. Motor Learning, Imam Abdulrahman Bin Faisal University.
7. Case Scenario in Physical Therapy, Imam Abdulrahman Bin Faisal University.
8. Clinical Practice, Imam Abdulrahman Bin Faisal University.

**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 (Imam Abdulrahman Bin Faisal University), KSA

2012 Chair of the Scientific Committee of the Research Methods Conference, University of Dammam, (Imam Abdulrahman Bin Faisal University), KSA

2012-2018 Member of the financial and administrative committee of the Parallel program, University of Dammam, (Imam Abdulrahman Bin Faisal University), KSA

2014-now Member of the Research Council, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2014-2018 Member of the Scientific Council, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2014-2018 Member of the permanent Research and Publication Committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2015-2018 Member of College of Applied Medical Sciences Council, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2016-2022 Member of the Research Institute and Medical Consultation Council, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

**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

2011-2022 Chairman of the graduate program committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2011-2022 Member of the Accreditation Committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2011-2022 Chair of the Department Research Committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2012-2014 Chairman of the research centre development committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2014-2015 Member of the Doctor of Physical Therapy Committee (DPT), University of Dammam (Imam Abdulrahman Bin Faisal University), University of Dammam (Imam Abdulrahman Bin Faisal University), KSA

2015-2017 Chairman of the PhD program preparation committee, University of Dammam (Imam Abdulrahman Bin Faisal University), KSA.

2018-2022 Chairman of the fellowship preparation committee, Imam Abdulrahman Bin Faisal University, KSA.

**Students’ Research Supervision**

* 14 PhD Students at various Universities (including 4 current students)
* 68 Master Students at various Universities (including 2 current students)
* More than 100 students (graduation undergraduate research projects).