

Saddam F. Kanaan, PT, CMP, MSc, PhD

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QUALIFICATIONS

- **PhD (Honors) in Rehabilitation Science (Orthopedics Rehabilitation).** 2007-2013.
Department of Physical Therapy and Rehabilitation Science
The University of Kansas Medical Center, Kansas City, Kansas, USA.
- **Post-Masters- Health Professions Educator Certificate.** 2010-2011.
School of Nursing.
The University of Kansas Medical Center, Kansas City, Kansas, USA.
- **MSc. in Applied Musculoskeletal Physiotherapy.** 2005-2006.
Faculty of Health & Wellbeing.
Sheffield Hallam University, Sheffield, United Kingdom.
- **BSc. in Physical Therapy.** 1999-2003.
Department of Rehabilitation Sciences
Jordan University of Science and Technology, Irbid, Jordan.

EMPLOYMENT AND POSITIONS HELD

- **Associate Professor.** May 2021-Present.
Department of Rehabilitation Sciences
Faculty of Applied Medical Sciences
Jordan University of Science and Technology, Irbid, Jordan.
- **Assistant Professor.** September 2013-May 2021.
Department of Rehabilitation Sciences
Faculty of Applied Medical Sciences
Jordan University of Science and Technology, Irbid, Jordan.
- **Assistant Dean.** September 2015-September 2016.
Faculty of Applied Medical Sciences
Jordan University of Science and Technology, Irbid, Jordan.
- **Visiting Scholar.** June-September 2014.
Clinical Orthopedic Rehabilitation Research Laboratory
The University of Kansas Medical Center, Kansas City, Kansas.
- **Graduate Teaching and Research Assistant.** 2007-2013.
Department of Physical Therapy and Rehabilitation Science

The University of Kansas Medical Center, Kansas City, Kansas.

- **Full-Time Lecturer.** 2006-2007.
Department of Rehabilitation Sciences
Jordan University of Science and Technology, Irbid, Jordan.
- **Teaching Assistant.** 2004-2005.
Department of Rehabilitation Sciences
Jordan University of Science and Technology, Irbid, Jordan.
- **Physical Therapist.** 2003-2004.
Department of Physical Medicine and Rehabilitation
King Abdullah University Hospital, Irbid, Jordan.

TEACHING EXPERIENCE

- **Erasmus + Staff Mobility for Teaching.** Hacettepe University, Ankara, Turkey.
April 2018.
- **Course coordinator, instructor, and clinical supervisor.** Fall 2013-present
Department of Rehabilitation Sciences
Jordan University of Science and Technology, Irbid, Jordan
 - Postgraduate courses (Masters in Physical Therapy and Masters in Clinical Rehabilitation Sciences)
 - ❖ Advanced Musculoskeletal Physical Therapy.
 - ❖ Educational Approaches in Clinical Rehabilitation Sciences.
 - ❖ Applied Biostatistics.
 - ❖ Research design and methods.
 - ❖ Clinical Placements for Clinical Rehabilitation Sciences.
 - ❖ Advanced theories and practice in orthopedic rehabilitation I.
 - ❖ Advanced theories and practice in orthopedic rehabilitation II.
 - ❖ Research Methods in Rehabilitation Sciences.
 - ❖ Clinical Training in Physical Therapy.
 - ❖ Seminar.
 - Undergraduate courses (Physical Therapy)
 - ❖ Introduction to Physical Therapy.
 - ❖ Introduction to Clinical Practice.
 - ❖ Musculoskeletal Anatomy (theory and practical).
 - ❖ Clinical Practice in Orthopedics Physical Therapy I and II.
 - ❖ Physical Therapy in Orthopedics I and II.
 - ❖ Prosthetics and Orthotics for Physical Therapy (BSc)
 - ❖ Physical Therapy in Sports Injuries (BSc)
 - ❖ Diseases of Muscles and Bones (BSc)
 - ❖ Therapeutic Exercises.
 - ❖ Research graduation projects.
 - ❖ Disability and the Society ((BSc, elective course for all university students)
- **Part-time instructor at Israa University. 2021.**
 - Therapeutic Exercises.
 - Physical Therapy in Orthopedics.

- **Graduate Teaching Assistant.** 2008-2013.
Department of Physical Therapy and Rehabilitation Science, Doctor of Physical Therapy Program
The University of Kansas Medical Center, USA
 - Musculoskeletal Physical Therapy I
 - Musculoskeletal Physical Therapy II
 - Neurologic Physical Therapy I
 - Health Promotion through the Life Span
 - Physical therapy Interventions
 - Cardiopulmonary Physical Therapy
 - Applied Kinesiology & Biomechanics
 - Neuroscience Analysis of Occupational Performance.
 - Physical Therapy Tests and Measures
 - Neurologic Physical Therapy I
 - Co-mentoring graduation projects

- **Full-Time Lecturer.** 2006-2007.
Department of Rehabilitation Sciences
Jordan University of Science and Technology, Irbid, Jordan
 - Electrotherapy
 - Cardiopulmonary Rehabilitation
 - Clinics in Physical Therapy II
 - Sports Physical Therapy
 - Clinics in Physical Therapy I
 - Exercise physiology
 - Cardiopulmonary Rehabilitation

- **Teaching Assistant.**
Department of Rehabilitation Science
Jordan University of Science and Technology, Irbid, Jordan
 - Electrotherapy
 - Clinics in Physical Therapy II
 - Therapeutics Exercises
 - Clinics in Physical Therapy I
 - Physical Agents
 - Physical Therapy Assessment

ACADEMIC ACCREDITATION AND CURRICULUM DEVELOPMENT

- Invited speaker. (2018). “WCPT Accreditation: Our Experience at Jordan University of Science and Technology”. 1st International Health Sciences Education and Accreditation Congress. Ankara, Turkey.
- A member of the academic curriculum committee, department of rehabilitation sciences, Jordan university of science and technology. 2013-2016, 2017-2018.
- 2016- present: Participate in Erasmus Plus project for the establishment of a new master program in interdisciplinary clinical rehabilitation sciences in partnership with five other universities (two universities from Jordan and three universities from Europe). Participated in needs assessment, the establishment of mission and vision, curriculum and courses development.
- 2016-present: Active and ongoing role in World Congress of Physical Therapy (WCPT) accreditation for the bachelor physical therapy program at JUST.

RESEARCH INTEREST

- Validity and reliability of physical rehabilitation outcome measures.
- The effect of psychosocial factors on disability and rehabilitation.
- Spine rehabilitation.
- Musculoskeletal disorders among pregnant women.
- Health professions education research.

RESEARCH EXPERIENCE

- **Principal investigator and master's students' dissertation mentor.** 2013-present.
Jordan University of Science and Technology.
- **PhD Dissertation.** February, 2011-August, 2013.
Orthopedic Rehabilitation and Research Laboratory.
Mentor: Neena Sharma, PT, PhD
 - Research project: Predicting health care needs after lumbar spine surgery
- **Graduate Research Assistant.** February, 2011 –August, 2013.
Clinical Orthopedic Rehabilitation and Research Laboratory.
Mentor: Neena Sharma, PT, PhD
 - Research Project: Biochemical changes with magnetic resonance spectroscopy following exercise training in chronic low back pain.
 - Research Project: Cortical changes following physical therapy intervention in subacute low back pain: a pilot study
- **Graduate Research Assistant.** August, 2011 –January, 2013.
Survivorship Optimization Laboratory and Clinic.
Mentor: Lisa VanHoose, PT, PhD
 - Research Project: Feasibility study of sequential Pneumatic compression therapy in the treatment of lymphedema of the morbidly obese
- **Graduate Research Assistant.** December, 2007 –2012.
Functional Performance Laboratory.
Mentor: Patricia Pohl, PT, PhD
 - Research project: The effect of mode of delivery in cognitive training in subjects with mild Alzheimer's disease.
- **MSc Dissertation.** December, 2005- September, 2006.
Sheffield Hallam University, Sheffield, UK;
Mentor: Kate Grafton MSc, PhD
 - Research project: Ulnar nerve mechanosensitivity after push-up exercise: a comparison between keyboard users and non-keyboard users.

CLINICAL EXPERIENCE

- **Physical Therapist.** December, 2017 – present.
 - King Abdullah University Hospital, Irbid, Jordan.
- **Clinical supervisor.** 2013 – present.
 - Princess Bassma Teaching Hospital, Irbid, Jordan.

- King Abdullah University Hospital, Irbid, Jordan.
- **Clinical supervisor.** September, 2006 – May, 2007.
 - King Abdullah University Hospital.
 - Princess Basma Teaching Hospital.
 - Royal Medical Services (Farah Royal Rehabilitation Center).
- **Clinical supervisor.** June, 2004 – September, 2005.
 - King Abdullah University Hospital.
 - Cerebral Palsy Foundation (pediatrics).
 - Royal Medical Services (Farah Royal Rehabilitation Center).
- **Physical Therapist.** July, 2003 – June 2004.
 Department of Physical Medicine and Rehabilitation
 King Abdullah University Hospital, Irbid, Jordan.

PEER REVIEWED MANUSCRIPTS

1. Oteir AO, **Kanaan SF**, Alwidyan MT, Almhdawi KA, Williams B. Validity and Reliability of a Cardiopulmonary Resuscitation Attitudes Questionnaire Among Allied Health Profession Students. *Open Access Emerg Med.* 2021;13:83-90.
2. Khalil H, Allataifeh E, **Kanaan S**, Al-Sharman A, Al Mhdawi K, El-Salem K. Translation, cross cultural adaptation, and construct validation of the Arabic version of the Frenchay Activities Index in people with multiple sclerosis. *Physiotherapy Research International.* 2021;26(3).
3. Khalil H, Aburubb A, **Kanaan S**, et al. Convergent and criterion-related validity of the short form of the International Physical Activity and the Incidental and Planned Physical Activity Questionnaires in people with multiple sclerosis. *NeuroRehabilitation.* 2021.
4. **Kanaan SF**, Melton BL, Waitman LR, Simpson MH, Sharma NK. The effect of age and gender on acute postoperative pain and function following lumbar spine surgeries. *Physiother Res Int.* 2021;26(2):e1888.
5. **Kanaan SF**, Khraise H, Almhdawi KA, Darlow B, Oteir AO, Mansour ZM. Arabic version of the Back Pain Attitudes Questionnaire: Translation, cross-cultural adaptation, and psychometric properties. *Journal of back and musculoskeletal rehabilitation.* 2021;34(1):59-67.
6. **Kanaan S**, Khraise H, Almhdawi KA, Natour J, Oteir AO, Mansour ZM. Arabic translation, cross-cultural adaptation, and psychometric properties of the low back pain knowledge questionnaire. *Physiotherapy Theory and Practice.* 2021.
7. Almhdawi KA, Obeidat D, **Kanaan SF**, et al. University professors' mental and physical well-being during the COVID-19 pandemic and distance teaching. *Work.* 2021;69(4):1153-1161.

8. Almhdawi KA, **Kanaan SF**, Khader Y, et al. Mental and physical health-related quality of life and their associated factors among students of a comprehensive allied health institution. *Work*. 2021;70(1):63-73.
9. Almhdawi KA, Jaber HB, Khalil HW, **Kanaan SF**, et al. Post-stroke fatigue level is significantly associated with mental health component of health-related quality of life: a cross-sectional study. *Quality of life research : an international journal of quality of life aspects of treatment, care and rehabilitation*. 2021;30(4):1165-1172.
10. Almhdawi KA, Alrabbaie H, Obeidat DS, **Kanaan SF**, et al. Sleep quality and its predictors among hospital-based nurses: a cross-sectional study. *Sleep and Breathing*. 2021.
11. Almhdawi KA, Alrabbaie H, **Kanaan SF**, et al. The prevalence of upper quadrants work-related musculoskeletal disorders and their predictors among registered nurses. *Work*. 2021;68(4):1035-1047.
12. Almhdawi KA, Alazrai A, **Kanaan S**, et al. Post-stroke depression, anxiety, and stress symptoms and their associated factors: A cross-sectional study. *Neuropsychological rehabilitation*. 2021;31(7):1091-1104.
13. Oteir AO, Almhdawi K, **Kanaan SF**, Alwidyan MT, Williams B. Attitudes towards cpr among allied health students in Jordan: A cross-sectional study. *Australasian Journal of Paramedicine*. 2020;17.
14. Kan'an A, **Kanaan SF**. Knowledge, attitude, and perception of covid-19 among university students: A cross-sectional study. *International Medical Journal*. 2020;27(5):512-515.
15. Almhdawi KA, Obeidat DS, **Kanaan SF**, Oteir AO, Mansour ZM, Alrabbaie H. Efficacy of an innovative smartphone application for office workers with chronic non-specific low back pain: a pilot randomized controlled trial. *Clin Rehabil*. 2020;34(10):1282-1291.
16. Almhdawi KA, Alrabbaie H, **Kanaan SF**, et al. Predictors and prevalence of lower quadrant work-related musculoskeletal disorders among hospital-based nurses: A cross-sectional study. *Journal of back and musculoskeletal rehabilitation*. 2020;33(6):885-896.
17. Oteir AO, Almhdawi KA, **Kanaan SF**, Alwidyan MT, Williams B. Cardiopulmonary resuscitation level of knowledge among allied health university students in Jordan: a cross-sectional study. *BMJ Open*. 2019;9(11):e031725.
18. Altarifi AA, Kalha Z, **Kana'an SF**, Alfaqih MA, Alsalem MI. Effects of combined swimming exercise and non-steroidal anti-inflammatory drugs on inflammatory nociception in rats. *Experimental and therapeutic medicine*. 2019;17(5):4303-4311.
19. Almhdawi KA, **Kanaan SF**, Khader Y, Al-Hourani Z, Almomani F, Nazzal M. Study-related mental health symptoms and their correlates among allied health professions students. *Work (Reading, Mass)*. 2018;61(3):391-401.

20. Mansour ZM, Martin LE, Lepping RJ, **Kanaan, SF**, Brooks, WM, Yeh, HW, Sharma, N. K.. Brain Response to Non-Painful Mechanical Stimulus to Lumbar Spine. *Brain sciences*. 2018;8(3).
21. Almhdawi KA, Mathiowetz V, Al-Hourani Z, Khader Y, **Kanaan SF**, Alhasan M. Musculoskeletal pain symptoms among allied health professions' students: Prevalence rates and associated factors. *Journal of back and musculoskeletal rehabilitation*. 2017;30(6):1291-1301.
22. Melton BL, Moqbel M, **Kanaan S**, Sharma NK. (2016). Structural Equation Model of Disability in Low Back Pain. *Spine*. 41(20). 1621-1627.
23. **Kanaan, S. F.**, Arnold, P. M., Burton, D. C., Yeh, H. W., Loyd, L., & Sharma, N. K. (2015). Investigating and predicting early lumbar spine surgery outcomes. *J Allied Health*, 44(2), 83-90.
24. **Kanaan, SF.**, Waitman, R., Yeh, H., Arnold, P., Burton, D., and Sharma, NK (2015). Structural Equation Model Analysis of the Length of Hospital Stay Following Lumbar Spine Surgery. *The Spine Journal*, 15(4), 612-621.
25. **Kanaan S**, Siengsukon C, Arnold P, Burton D, Emmanuel N, Sharma N. Relationship between sleep quality and functional and psychological symptoms in patients with chronic low back pain. *Physiotherapy*. 2015;101:e713-e714.
26. Gras, L., **Kanaan, SF.**, McDowd, JM., Colgrove, Y., and Pohl, PS. Balance and Gait of Adults with Very Mild Alzheimer's Disease. *Geriatric Physical Therapy Journal*. 2015; 38(1), 1-7.
27. **Kanaan, SF.**, Yeh, H., Waitman, R., Burton, D., Arnold, P., and Sharma, NK. Predicting Discharge Placement and Health Care Needs After Lumbar Spine Laminectomy. *Journal of Allied Health*. 2014; 43(2): p. 88-97.
28. **Kanaan, SF.**, McDowd, J., Colgrove, Y., Burns, J., Gajewski, B., and Pohl, PS. Feasibility and Efficacy of Intensive Cognitive Training in Early-Stage Alzheimer's Disease. *American Journal of Alzheimer's Disease and Other Dementias*. March 2014; 29 (2): 150 – 158.

PEER-REVIEWED SCIENTIFIC AND PROFESSIONAL PRESENTATIONS

1. **Kanaan SF**, Alhendi Z. Effects of Low Back Pain Knowledge-Related Education on Attitudes and Knowledge in Patients with Low Back Pain. 1st International Congress of Health Sciences and Multidisciplinary Approaches. Erzurum Technical University, Turkey 2021.
2. **Kanaan SF**, Almhdawi K. Predictors of Neck Disability in Undergraduate Medical Students. World Confederation for Physical Therapy Congress 2019: Geneva, SA, 2019. (Platform Presentation).

3. **Kanaan SF.** Meniscal and Articular Cartilage Lesion: Evidence on Examination and Intervention. 4th Jordanian International Physiotherapy Conference. Amman, Jordan 2018.
4. Khrais H, Alqadi F, **Kanaan SF.** The Effect of Mobilization with Movement in a Patient with Fibromyalgia: A Case Report. 4th Jordanian International Physiotherapy Conference. Amman, Jordan 2018.
5. **Kanaan SF,** Khreis H. Mulligan Concept for Cervicogenic Headache: Current Level of Evidence. 6th Biennial Emirates Physiotherapy Conference: Dubai, UAE, 2018. (Platform presentation)
6. **Kanaan SF.** Cervicogenic Headache Management: Current Level of Evidence. Fizyoterapi ve Rehabilitasyonda Gelişmeler Konferansı: Antalya, Turkey, 2018. (Platform presentation)
7. **Kanaan SF,** Almhdawi KA. Predictors of Quality of Life of Applied Medical Sciences' Students. 3rd International Conference: Physical Therapy Services in Conflict Affected Countries: Amman, Jordan, 2018. (Platform Presentation).
8. **Kanaan SF,** Almhdawi KA. Predictors of Quality of life of rehabilitation sciences' students. World Confederation for Physical Therapy Congress 2017: Cape Town, SA, 2017. (Platform Presentation).
9. **Kanaan SF,** Siengsukon C, Arnold P, Burton D, Emmanuel N, Sharma N. Relationship between sleep quality and functional and psychological symptoms in patients with chronic low back pain. *Physiotherapy.* 2015;101, Supplement 1(0):e713-e4.
10. Mansour, Z., Lepping, RJ., Honea, R., **Kanaan, SF.**, Brooks, W., and Sharma, NK. Structural Brain Differences in Patients with Chronic Low Back Pain, American Physical Therapy Association Combined Section Meeting: Indianapolis, IN, 2015. (Poster Presentation)
11. Mansour, Z., Martin, LE., Lepping, RJ., **Kanaan, SF.**, Cowley, B., Papa, VB., Brooks, W., and Sharma, NK. Brain responsiveness to mechanical pressure in patients with sub-acute low back pain. Annual Meeting of the Society for Neuroscience: Washington, DC, 2014. (Poster Presentation)
12. Gras, L., **Kanaan, SF.**, Colgrove, Y., McDowd, J., and Pohl, PS. Balance and Gait Deficits in Adults with Very Mild Alzheimer's Disease. Combined Section Meeting Geriatric Section, Las Vegas, Nevada. February, 2014. (Platform presentation)
13. Cowley, B., Martin, L, **Kanaan, SF.**, Lepping, R., Cirstea, C., and Sahrma, NK. Cortical Response to Lumbar Spine Mechanical Stimulus in Healthy and Subacute Low Back Pain. Student Research Forum, The University of Kansas Medical Center, Kansas City, Kansas. April, 2013. (Platform presentation)

14. Sharma, NK., **Kanaan, SF.**, Cirstea, CM., Sanchez, K., Gorman, P., Singh, G., Mehvar, F., Mansour, Z., and Brooks, W. Investigating Low Back Pain and Effects of Exercise Training with MRS. Integrating Technology into Translational Research Symposium. Kansas City, Missouri. May, 2013 (Platform presentation)
15. Sharma, NK., **Kanaan, SF.**, Cirstea, CM., Sanchez, K., Singh, G., Mehvar, F., Mansour, Z., Gorman, P., Cowley, C., and Brooks, W. "Effects of Exercise Training on Affective Pain Regions in Chronic Low Back Pain". Translational Science 2013, Washington, DC. April 2013 (Poster presentation)
16. **Kanaan, SF.**, Waitman, R., Yeh, H., Loyd, L., Sanchez, K., and Sharma, N. K. Inpatient Physical Therapy Assessment Predicting Discharge Placement After Lumbar Spine Surgeries: Retrospective Analysis. Kansas Physical Therapy Association Spring Conference, Wichita, Kansas. April, 2013. (Platform presentation)
17. Sharma, NK., Cirstea, CM., **Kanaan, SF.**, Gajewski, B., Popescu, A., McCarson, K., Van Dillen, L., Gorman, P., Sanchez, K., and Brooks, W. Biochemical Changes with Magnetic Resonance, Spectroscopy Following Exercise in Chronic Low Back Pain. Faculty Research Day, The University of Kansas Medical Center, Kansas City, Kansas, 2012 (Poster presentation)
18. **Kanaan, SF.**, Haynes, E., Messer, T., VanHoose, L. The Impact of Sequential Pneumatic Compression Therapy on the Lymphedema Treatment of the Severely Overweight: a Case Series Analysis. The National Lymphedema Network - 2012 NLN Conference, Dallas, Texas. September, 2012. (Poster presentation)
19. **Kanaan, SF.**, Arnold, P., Burton, D., Sanchez, K., Emmanuel, N., and Sharma, N. Assessment of Health Care Needs during Hospital Stay Following Lumbar Spine Surgeries. Kansas Physical Therapy Association Spring Conference, Wichita, Kansas. April, 2012. (Poster presentation)
20. McDowd, J., **Kanaan, SF.**, & Pohl, P. Intensive Individual Cognitive Training in Alzheimers Disease: Evidence for Limited Effects. Gerontological Society of America National Meeting, New Orleans, LA. November, 2011. (Poster presentation)
21. **Kanaan, SF.**, and Pohl, P, S. Balance and Gait in Adults with Very Mild Alzheimer's Disease: a Pilot Study. Kansas Physical Therapy Association Spring Conference, Wichita, Kansas. April, 2010. (Poster presentation)
22. **Kanaan, SF.**, McDowd, J., Burns, J., Savage, C., and Pohl, P, S. Brain Activation in Adults with Alzheimer's after Intense Cognitive Training. Student Research Forum, THE UNIVERSITY OF KANSAS MEDICAL CENTER, Kansas City, Kansas. April, 2010 (Platform presentation)

23. **Kanaan, SF.**, McDowd, J., Pohl, P, S. Practice Effects on Task Switching in Adults with Early Alzheimer's Disease. Cognitive Aging Conference, Atlanta, Georgia. April , 2010 (Poster presentation)

MENTORSHIP FOR GRADUATE STUDENTS

Advisor

1. Alaa Abandeh. (Current). Prevalence and associated factors of leg cramps in the Third Trimester of Pregnancy in Jordan. Master's degree in Physical Therapy. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
2. Tasneem Rjoub. (Current). The effect of psychosocial intervention following whiplash: A meta-analysis. Master's degree in Physical Therapy. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
3. Sara Obeidat. (Current). Living with Scoliosis: a biopsychosocial analysis. Master's degree in Clinical Rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
4. Zainab Mahmoud Alhendi. (2021). Effect of Low Back Pain Knowledge-Related Education on Low Back Pain Treatment Outcomes: A Randomized Controlled Trial. Master's degree in Physical Therapy. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
5. Hadeel Alissa. (2020 Completed). Attitudes and Knowledge Related to Low Back Pain and Associated Factors: A Cross-Sectional Study. Master's degree in physical therapy. Faculty of Applied Medical Sciences, Jordan University of Science and technology.
6. Mohammad Al-Karasneh. (2020 Completed). Translation and cross-cultural adaptation of low back pain treatment belief questionnaire and its clinimetric properties. Master's degree in Clinical Rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
7. Mus'ab Alzrigat. (2020 Completed). A survey of physical therapists low back pain practice patterns in Jordan and their adherence to standard of practice. Master's degree in Clinical Rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
8. Advisor: Hana'a Khraise (2019 completed). Translation and cross-cultural adaptation of the low back pain knowledge questionnaire and back pain attitudes questionnaire. Master's degree in physical therapy. Faculty of Applied Medical Sciences, Jordan University of Science and technology.

Co-advisor

1. Zaina Zain Qapooq. (2021 completed). Foot arch asymmetry and its correlations with physical fitness level and body mass index among school-aged children. Master's degree in clinical rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
2. Lamis Al Gharram. (2020 completed). The Effect of Marital Support on Pain Perception, Depression Level and Function of Patients with Chronic Low Back Pain. Master's degree in physical therapy. Faculty of Applied Medical Sciences, Jordan University of Science and technology.
3. Alza H. Al-Azrai. (2019). Exploring mental health symptoms and their correlates among stroke survivors in Jordan. Master's degree in clinical rehabilitation

Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.

4. Donia S. Obeidat (2019 completed). The efficacy and compliance in using a smartphone application in treating non-specific low back pain among office employees: a randomized controlled trial. Master's degree in clinical rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
5. Hassan Al-Rabbaie (2019 completed). The Prevalence of Work-Related Musculoskeletal Disorders and Their Associated Factors among Practicing Nurses in Jordan. Master's degree in clinical rehabilitation Sciences. Faculty of Applied Medical Sciences, Jordan University of Science and Technology.
6. Zain Kalha (2017 completed). Effect of swimming exercise in combination with non-steroidal anti-inflammatory drugs on inflammatory nociception in rats. Master's degree in pharmacology. Faculty of Medicine, Jordan University of Science and technology.
7. Co-advisor: Mohammad Darabseh (2016 completed). The effect of pedometer-based intervention on patients after total knee replacement surgeries. Master degree. Physical Education Faculty, Yarmouk University.

RESEARCH GRANTS

1. Prevalence and associated factors of leg cramps in the Third Trimester of Pregnancy in Jordan. (2021). Deanship of Research/Jordan University of Science and Technology. (JD 6440). Grant # (432/2021).
2. The efficacy of therapeutic exercises delivered by smartphone application for Urinary incontinence among women: a randomized controlled trial. (2021). (JD 5560). Grant # (408/2021).
3. Living with Scoliosis: a biopsychosocial analysis. (2021). Deanship of Research/Jordan University of Science and Technology. (JD 3000). Grant # (400/2021).
4. Patient's low back pain treatments preference: its determinant, level of agreement with the treatment provided, and its effect on treatment outcomes. (2021). Deanship of Research/Jordan University of Science and Technology. (JD 2900). Grant # (46/2021).
5. A survey of Physical Therapists Low Back Pain Practice Patterns and Adherence to Standard of Practice. (2020). Deanship of Research/Jordan University of Science and Technology. 2020. (JD 1600). Grant # (260/2020).
6. Effects of Low Back Pain Knowledge-Related Education on Attitudes and Knowledge in Patients with Low Back Pain. (2020). Deanship of Research/Jordan University of Science and Technology. (JD 2500). Grant # (165/2020).
7. Attitudes and Knowledge related to Low Back Pain and associated factors: Population-Based Survey in Jordan. (2020). Deanship of Research/Jordan University of Science and Technology. (JD 6380). Grant # (85/2020).
8. Translation and cross-cultural adaptation of the low back pain treatment belief questionnaire and its psychometric properties. (2019). Deanship of Research/Jordan University of Science and Technology. (JD 7480). Grant # (447/2019).
9. Psychometric properties of the Arabic version of Low Back Pain Knowledge and Back Pain Attitudes Questionnaires. (2018). Jordan University of Science and Technology. (JD 2000). Grant # (477/2018).

JOURNAL REVIEWER

1. BMC musculoskeletal disorders
2. BMC Medical Education
3. Work
4. Scientific Reports
5. Clinical Rehabilitation
6. Journal of Back and Musculoskeletal Rehabilitation
7. Journal of Manipulative and Physiological Therapeutics

ADMINISTRATIVE SERVICE

1. Member of Internal Review Board (IRB). King Abdullah University Hospital and Jordan University of Science & Technology 2021-present.
2. Representative of department of rehabilitation sciences in the council committee of faculty of applied medical sciences, Jordan university of science and technology. 2020-2021.
3. A member of the scientific research committee, department of rehabilitation sciences, faculty of applied medical sciences, Jordan university of science and technology. 2018-present
4. Head of scientific research committee, department of rehabilitation sciences, Jordan University of Science and Technology. 2017-2018.
5. A member of the scientific research committee, faculty of applied medical sciences, Jordan university of science and technology. 2017-present.
6. Dean assistant. Faculty of applied medical sciences, Jordan university of science and technology. 2015-2016.
7. Director of Clinical Education Unit. Faculty of applied medical sciences, Jordan university of science and technology. 2015-2016.
8. Member of the community service committee at the faculty of applied medical sciences. Jordan university of science and technology. 2013-2015.

LEADERSHIP AND AWARDS

- James P. Cooney Leadership Award. School of Health Professions Alumni Association. The University of Kansas Medical Center. 2013.
- Student Senate Scholarship Award from School of Health Professions, The University of Kansas Medical Center. 2013.
- Research Travel Award - Student Governing Council, The University of Kansas Medical Center. 2012
- Scholar, The Honor Society of Phi Kappa Phi, University of Kansas. 2012.
- Bittel Family Scholarship- Physical Therapy and Rehabilitation Science, The University of Kansas Medical Center. 2012.
- Outstanding Graduate Research Assistant Award- Physical Therapy and Rehabilitation Science, The University of Kansas Medical Center. 2012.
- Outstanding Graduate Teaching Assistant Award- Physical Therapy and Rehabilitation Science, The University of Kansas Medical Center. 2012.
- Founder and President-elect- The University of Kansas Medical Center Orthopedic Seminar Series. 2011-2012.
- Outstanding Doctoral Student Award from the Graduate Studies and Academic Affairs Office, The University of Kansas Medical Center. 2011.

- Outstanding Graduate Teaching Assistant Award- Physical Therapy and Rehabilitation Science. The University of Kansas Medical Center. 2010.
- Member, International Affairs Committee- The University of Kansas Medical Center. 2010.
- President- The University of Kansas Medical Center Muslim students Organization. 2008-2010.
- Scholar, Golden Key International Honor Society. 2009.
- Scholar, The National Leadership and Honor organizations of Sigma Alpha Lambda, University of Kansas. 2009.
- Scholarship for PhD degree. Jordan University of Science and Technology. 2007
- Sheffield Hallam University Alumni of the month, UK. 2007.
- Dean's Appreciation Letter, JUST, Jordan. 2006.
- Scholarship for master's degree, JUST, Jordan. 2005
- Dean's list for outstanding academic semester achievement. JUST, Jordan. Spring 2002.

MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL ORGANIZATIONS

- Head of Scientific Committee. Jordanian Physiotherapy Society. 2016-2017.
- Head of Scientific Committee. Jordanian Physiotherapy Society. March 2016- Present.
- Member, American Society of Neurology, 2013.
- Member, Society for Neuroscience, 2011-2012.
- Member, American Physical Therapy Association, 2011-2012
- Member, Orthopedic Section of the American Physical Therapy Association, 2011 –2012
- Member, American Association of Advancement of Science. 2008
- Member, Jordanian Physiotherapy Society, 2005-present.

CONTINUING EDUCATION TAUGHT

- Low Back Pain: Evidence-Based Approach. Jordanian Physiotherapy Society. Irbid, Jordan. September 2019.
- Cerviothoracic Management. Evidence-Based Approach. Jordanian Physiotherapy Society. Amman, Jordan. August, 2021.
- Cervicothoracic Assessment and Management. Jordanian Physiotherapy Society. Irbid, Jordan. March, 2018.
- Physical Agents for Occupational Therapists. Irbid, Jordan. May, 2017
- Assessment and Innovative Teaching Methods in Applied Medical Sciences. Jordan University of Science and Technology. Irbid, Jordan. 2016.
- Neurodynamic Concept Approach in Assessment and Management of Upper Quadrant. Amman, Jordan. June 2015.

CONTINUING EDUCATION ATTENDED

- Wheelchair Service Training Package: Managers and Stakeholders Level. Amman, Jordan. September, 2017.
- Manual Therapy Diploma. Amman, Jordan. March 2016.
- Internal Quality Management System Training course. Jordan University of Science and Technology, September 2015.
- Mulligan's Concepts: Mobilisations with Movements part D: Certification and Examination. Amman, Jordan. August 2015.

- Clinical Orthopedic Manual Therapy (COMT)/ cervical spine. Amman, Jordan. March 2015.
- Scientific Manuscript Writing Workshop. Dead Sea, Jordan. December 2014.
- Mulligan's Concepts: Mobilisations with Movements part C: Advanced level. Amman, Jordan. November 2014.
- Mulligan's Concepts: Mobilisations with Movements part B: Lumbar and Lower Quadrant. Amman, Jordan. September 2014.
- Mulligan's Concepts: Mobilisations with Movements part A: Cervical and Upper Quadrant. Amman, Jordan. September 2014.
- Development of curriculum and study plans. Irbid, Jordan. January 2014
- Advanced Statistical Analysis using SPSS. Irbid, Jordan. September 2013
- Kinesio Taping KT1/KT2. Kansas City, KS. July 2013.
- Role of physical therapy in Spinal Pain Management. Kansas City, MO. July 2011.
- Anterior Knee Pain: Diagnosis and Treatment. Peterborough, UK. September 2006.
- Grade V Spinal Manipulation Course. Harrogate, UK. May 2006.
- Cervical Arterial Dysfunction and Manual Therapy Workshop. Sheffield, UK. April 2006.

PROFESSIONAL SERVICE

- Member of the National Rehabilitation Strategy. Ministry of Health in collaboration with Handicapped International. 2018-present.
- Abstract mentor for WCPT congress (Dubai, 2021).
- Abstract review team for WCPT congress (Geneva, 2019).
- Member of Scientific Committee. Jordanian Physiotherapy Society. March 2017-March 2019.
- Head of the Scientific Committee. Jordanian Physiotherapy Society. March 2016-March 2017.

COMMUNITY SERVICE

- Volunteer, Open Medical Day organized by Jordan University of Science and Technology. Jordan. April, 2013-present.
- Invited Speaker, "Classroom Culture in USA": International Students Orientation, The University of Kansas Medical Center. 2009 and 2012.
- Volunteer, International Students Orientation- The University of Kansas Medical Center. 2009- 2012.
- Volunteer, Sport is Medicine Conference- The University of Kansas Medical Center, 2012.
- Invited Speaker, Cultural awareness presentations- Counseling & Educational Support Services, The University of Kansas Medical Center. 2010.
- Volunteer, Medical students' orientation- The University of Kansas Medical Center. 2009.
- Volunteer, Culturefest'09, The University of Kansas Medical Center
- Volunteer, The University of Kansas Medical Center Street Fair 2009
- Graduate Student Council representative at Student education and advocating of diversity. 2009.
- Volunteer, Student Research Forum. 2008
- Volunteer, Geriatric Day. Amman- Jordan. 2006

TECHNICAL SKILLS

- HERON system: Navigation and extraction of healthcare outcome measures from large database. Designing and implementing retrospective study using the HERON system including research questions, data mining, and data analysis.
- Large data set mining.
- SPSS software: descriptive analysis, General Linear Model, regression analysis, Multivariate analysis, and nonparametric analysis.
- Amos software: statistics modeling (principal components analysis and structural equation modeling).
- Neuroimaging: fMRI analysis with Brain voyager software.
- Other research skills: Physical, behavioral and cognitive testing.

PROFESSIONAL WEBSITES AND ACCOUNTS

- Personal web page: <https://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=sfkanaan>
- Google Scholar: <https://scholar.google.com/citations?user=iUanOF8AAAAJ&hl=en&oi=ao>
- Researchgate: <https://www.researchgate.net/profile/Saddam-Kanaan>
- LinkedIn: <https://www.linkedin.com/in/saddam-kanaan-789a6228/>
- ORCID: <https://orcid.org/my-orcid?orcid=0000-0003-1062-7993>
- Publons: <https://publons.com/researcher/2502202/saddam-f-kanaan/>