

CONTACT INFORMATION

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ADDRESS

M4/S1/58, College of Applied Medical Sciences, Alfara, King Khalid University, Abha, Kingdom of Saudi Arabia.

PHONE

+966 538901083

LANGUAGES

Telugu

Advanced

English

Advanced

Hindi

Advanced

Arabic

Moderate

Kannada

Advanced

Malayalam

Can talk and understand

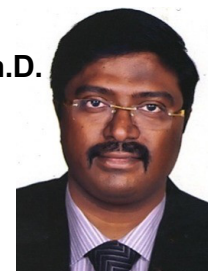
Tulu

Can talk and understand

SKILLS

- Certified Neuro Developmental
- Therapist – Pediatrics, NDTA, USA
- Certified Neuro Developmental
- Therapist – Adult, IBITA, Switzerland

Dr. Jaya Shanker Tedla PT, Ph.D.



Associate Professor with 18 years of Teaching and Clinical experience in the field of Physical Therapy.

EXPERIENCE

Assistant Professor King Khalid

University

Abha, Kingdom of Saudi Arabia

August-2012 - Currently

Headed the Department of Medical Rehabilitation Sciences in the College of Applied Medical Sciences, KKU, KSA

Currently working as program coordinator and heading the examination, measurement and evaluation and academic committees in the department and part of quality and curriculum development committees in the department. Conducted teaching for more than 20 semesters using blackboard software and traditional classrooms.

Served the Physical Therapy needed clients in the clinics of the University.

Gained grants worth more than 50000 \$ worth for performing research.

Published research articles in the reputed ISI journals.

Physical Therapy Consultant position in their hospital Accredited by Saudi Commission of Health Specialties with registration number 17-A-A0050895

Conducted teaching for bachelor and master students more than 16 semesters in this University (8 years).

Performed clinical services to the clients of Physical Therapy in the University attached hospitals.

Specialized in Pediatric and Neurological Rehabilitation services.

Guided Masters and PhD students for performing research.

Graduated with distinction marks

Associate Professor Manipal University

Manipal, India

September-2004 -
August-2012

EDUCATION

Bachelor of Physical Therapy Manipal University

Kasturba Medical College, Mangalore, India, 2002

Master of Physical Therapy, Manipal University MCOAHS, Manipal, India, 2004

Thesis entitled " Comparison of energy expenditure in community ambulating spastic diplegia children with and without walker: A cross sectional study"

- Certified Sensory Integration Therapist – University of Southern California, USA
- Certified in NDT Advanced Handling and Problem Solving – NDTA, USA
- Certified Kinesio Taping Practitioner – KTAI, USA
- Certified PNF Therapist - IPNFA, USA
- Certified Osteopath from OMT, UK
- Certificate course in biostatistics, epidemiology and research methodology -Manipal, India
- Certified Basic Life Supporter - AHA, USA
- Certified Yoga Therapist - India Diploma in Accupuncture - India

PhD Guide and Evaluator

Editorial board/ Advisory board member for

Ph.D. In Physical Therapy

Manipal University

Kasturba Medical College, Mangalore, India
2011

New York City

College tDCS

Fellowship

Medical Society of the State of the New York

New York, USA
2014

Post-Doctoral

Fellowship from the Centro Universitario Augusto Motta (UNISUAM), Rio De Janeiro, Brazil

Thesis entitled "Effect of strength training on balance in children with spastic diplegia cerebral palsy; A randomized controlled trial."

Conducted trials on Trans Cranial Direct Current Stimulation.

Transcranial direct current stimulation combined with trunk-targeted, proprioceptive neuromuscular facilitation in subacute stroke: A randomized controlled trial

1. Manipal University, Manipal, Karnataka, India.
2. RK University, Rajkot, Gujarat, India.
3. NITTE University, Mangalore, Karnataka, India.
4. Savitha University, Chennai, Tamilnadu, India.

1. Indian Journal of Physical and Occupational Therapy.
2. Journal of Physical Therapy
3. International Journal for Rehabilitation Sciences and Research
4. Indian Journal of Physical Therapy and Research

Grants Obtained

1. Reference values for functional and lateral reach test among young adults: Deanship of Scientific Research, King Khalid University, Abha, Kingdom of Saudi Arabia [G.R.P – 67 – 39]. [Completed and closed]
2. Effect of patient specific three-dimensional spinal mobilization and traction on pain, range of motion, functional disability and quality of life in patients with lumbar inter vertebral disc prolapse: Deanship of Scientific Research, King Khalid University, Abha, Kingdom of Saudi Arabia [G.R.P – 135 – 39]. [Completed and closed]
3. Effect of low-level laser therapy on hyperglycemia and insulin levels in individuals with prediabetes and diabetes. A randomized controlled trial. Deanship of Scientific Research, King Khalid University, Abha, Kingdom of Saudi Arabia [R.G.P.1/133/40]. [Completed and closed]
4. Effect of hydro galvanic bath on pain, strength, function and pressure pain threshold in subjects with chronic pain syndromes. [G.R.P – 3 – 40]. [Completed and closed]
5. Transcranial direct current stimulation combined with trunk-targeted, proprioceptive neuromuscular facilitation in subacute stroke: A randomized controlled trial [R.G.P.1/98/42] [Completed and closed]]
6. Cross cultural adaptation of physical activity questionnaires into Arabic language and testing their psychometric properties [R.G.P.1/52/42] [Completed and closed]]
7. Ankle and foot posture index [G.R.P/59/42] [Completed and closed]]
8. Knee osteoarthritis effect on proprioception and its management [G.R.P/75/42] [Completed and closed]]
9. Cervical proprioception and its management in neck pain population [R.G.P.2/40/42] [Completed and closed]]
10. Vestibular disorders and Rehabilitation [R.G.P.2/64/42] [Completed and closed]
11. Quality of life among children with disabilities in the Aseer region of the Kingdom of Saudi Arabia. [KSRG-2022-005] [External Grant]

Papers published

1. Tedla JS, Sangadala DR, Reddy RS, Gular K, Kakaraparthi VN, Asiri F. Transcranial direct current stimulation (tDCS) effects on upper limb motor function in stroke: an overview review of the systematic reviews. *Brain Injury*. 2023 Jan 9:1-2.
2. Asiri F, Reddy RS, Alshahrani MS, Tedla JS, Dixit S, Alshahrani A, Gular K, Raizah A. Mediation Effect of Pain on the Relationship between Kinesiophobia and Postural Control: Comparison and Correlations in Individuals with Fibromyalgia Syndrome and Asymptomatic Individuals—A Cross-Sectional Study. *Life*. 2023; 13(1):175. <https://doi.org/10.3390/life13010175>
3. Nambi G, Alghadier M, Ebrahim EE, Vellaiyan A, Tedla JS, Reddy RS, Kakaraparthi VN, Aldhafian OR, Alshahrani NN, Saleh AK. Comparative Effects of Mulligan's Mobilization, Spinal Manipulation, and Conventional Massage Therapy in Cervicogenic Headache—A Prospective, Randomized, Controlled Trial. *InHealthcare* 2022 Dec 29 (Vol. 11, No. 1, p. 107). MDPI.
4. Tedla JS, Sangadala DR, Reddy RS, Gular K, Dixit S. High-definition trans cranial direct current stimulation and its effects on cognitive function: a systematic review. *Cerebral Cortex*. 2022 Dec 17.
5. Taşvuran Horata E. , Kalkan S. , Taşkın G. , Tedla J. S. Validity and reliability of the turkish version of the questionnaire for physical therapy students' attitudes toward their profession and education (q-ptsape). *Türk Fizyoterapi ve Rehabilitasyon Dergisi*. 2022; 33(3): 219-226.
6. Saeed Alshahrani M, Reddy RS, Asiri F, Tedla JS, Alshahrani A, Kandakurti PK, Kakaraparthi VN. Correlation and comparison of quadriceps endurance and knee joint position sense in individuals with and without unilateral knee osteoarthritis. *BMC Musculoskeletal Disorders*. 2022 Dec;23(1):1-7.
7. Reddy RS, Alshahrani MS, Tedla JS, Dixit S, Asiri F, Al-Otaibi ML, Kakaraparthi VN, Assiri SM. Comparison of Cervical Joint Position Sense in Computer Users with Neck Pain, Forward Head Posture, Asymptomatic and Non-Computer Users—A Cross-Sectional Study. *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2022 Sep 6.
8. Asiri F, Tedla JS, Reddy RS, Alshahrani MS, Alshahrani A, Sangadala DR, Gular K, Kakaraparthi VN, Dixit S. Cross-Cultural Adaptation of the Godin-Shephard Leisure-Time Physical Activity Questionnaire for Arabic Population and Testing its Psychometric Properties. *Medical Science Monitor: International Medical Journal of Experimental and Clinical Research*. 2022 Aug 25;28:e937245-.
9. Reddy RS, Alshahrani MS, Tedla JS, Asiri F, Nambi G, Kakaraparthi VN. Cervical Joint Position Sense in Individuals With Type 2 Diabetes and Its Correlations With Glycated Hemoglobin Levels: A Cross-Sectional Study. *Journal of Manipulative and Physiological Therapeutics*. 2022 Aug 19.
10. Rao VK, Tedla JS, Sangadala DR, Reddy RS, Kakaraparthi VN, Gular K. Development and cross-cultural adaptation of the vestibular disorders activities of daily living scale in the kannada language and testing its psychometric properties. *Nigerian Journal of Clinical Practice*. 2022 May 1;25(5):605.
11. Alshahrani AA, Tedla JS, Alshehri AA, Abbas ZY. Management of Neglected Patellar Tendon Rupture via the Ilizarov Apparatus and Patellar Transport Following Multistage Reconstruction using Contralateral Patella Tendon Bone Autograft: A Case Study. *Indian Journal of Orthopaedics*. 2022 May;56(5):933-7.
12. Tedla JS, Rodrigues E, Ferreira AS, Vicente J, Reddy RS, Gular K, Sangadala DR, Kakaraparthi VN, Asiri F, Midde AK, Dixit S. Transcranial direct current stimulation combined with trunk-targeted, proprioceptive neuromuscular facilitation in subacute stroke: a randomized controlled trial. *PeerJ*. 2022 Apr 28;10:e13329.
13. Reddy RS, Tedla JS, Alshahrani MS, Asiri F, Kakaraparthi VN. Comparison and correlation of cervical proprioception and muscle endurance in general joint hypermobility participants with and without non-specific neck pain—a cross-sectional study. *PeerJ*. 2022 Mar 11;10:e13097.

14. Tedla JS, Gular K, Reddy RS, de Sá Ferreira A, Rodrigues EC, Kakaraparthi VN, Gyer G, Sangadala DR, Qasheesh M, Kovala RK, Nambi G. Effectiveness of Constraint-Induced Movement Therapy (CIMT) on Balance and Functional Mobility in the Stroke Population: A Systematic Review and Meta-Analysis. *InHealthcare* 2022 Mar 8 (Vol. 10, No. 3, p. 495). MDPI.
15. Kakaraparthi VN, Vishwanathan K, Gadhavi B, Reddy RS, Tedla JS, Samuel PS, Dixit S, Alshahrani MS, Gannamaneni VK. Application of the rapid upper limb assessment tool to assess the level of ergonomic risk among health care professionals: A systematic review. *Work*. 2022 Feb 26(Preprint):1-4.
16. Tedla JS, Sangadala DR, Reddy RS, Gular K, Kakaraparthi VN, Samuel PS. Lower extremity muscle strength reference values for young Saudi male adults aged 21 to 23 years and their correlation with anthropometric parameters and balance. *FACETS*. 2022 Jan 27.
17. Reddy RS, Tedla JS, Alshahrani MS, Asiri F, Kakaraparthi VN, Samuel PS, Kandakurti PK. Reliability of hip joint position sense tests using a clinically applicable measurement tool in elderly participants with unilateral hip osteoarthritis. *Scientific reports*. 2022 Jan 10;12(1):1-9.
18. Kakaraparthi VN, Alshahrani MS, Reddy RS, Samuel PS, Tedla JS, Dixit S, Gautam AP, Rengaramanujam K, Gular K, Kakaraparthi L, Ahmad I. Anxiety, depression, worry, and stress-related perceptions among antenatal women during the COVID-19 pandemic: Single group repeated measures design. *Indian Journal of Psychiatry*. 2022 Jan 1;64(1):64-72.
19. Alshahrani, M.S., Reddy, R.S., Tedla, J.S., Asiri, F. and Alshahrani, A., 2022, January. Association between Kinesiophobia and Knee Pain Intensity, Joint Position Sense, and Functional Performance in Individuals with Bilateral Knee Osteoarthritis. In *Healthcare* (Vol. 10, No. 1, p. 120). Multidisciplinary Digital Publishing Institute.
20. Reddy RS, Gautam AP, Tedla JS, Ferreira AD, Reis LF, Bairapareddy KC, Kakaraparthi VN, Gular K. The Aftermath of the COVID-19 Crisis in Saudi Arabia: Respiratory Rehabilitation Recommendations by Physical Therapists. *InHealthcare* 2021 Nov (Vol. 9, No. 11, p. 1560). Multidisciplinary Digital Publishing Institute.
21. Tedla JS, Reddy RS. Evaluation of psychometric properties of the segmental assessment of trunk control (SATCo) in children with spastic quadriplegic cerebral palsy. *Nigerian Journal of Clinical Practice*. 2021 Jul 1; 24(7):1077.
22. Samuel PS, Alahmari KA, Adam M, Reddy RS, Ahmad I, Kakaraparthi VN, Rengaramanujam K, Tedla JS, Hussein A, Alshahrani MS. Influence of Smartphone Overuse on Grip Strength, Pinch Strength, and Cross-Sectional Area of Flexor Pollicis Longus Tendon and Median Nerve. *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2021 Jul 27.
23. Asiri F, Reddy RS, Tedla JS, ALMohiza MA, Alshahrani MS, Govindappa SC, Sangadala DR. Kinesiophobia and its correlations with pain, proprioception, and functional performance among individuals with chronic neck pain. *PloS one*. 2021 Jul 8; 16(7):e0254262.
24. Panchal A, Tedla JS, Ghatamaneni D, Reddy RS, Sangadala DR, Alshahrani MS. Normative reference values for the timed up-and-go test in Indian children aged four to 11 years old and their correlation with demographic characteristics: A cross-sectional study. *Nigerian Journal of Clinical Practice*. 2021 Apr 1; 24(4):569.
25. Tedla JS, Sangadala DR, Gular K, Reddy RS, Alshahrani MS, Ahmad I, Abohashrh M. Normative reference values for functional, lateral, and oblique direction reach tests in Saudi children aged six to 15 years old and psychometric properties of the oblique direction reach test. *Nigerian Journal of Clinical Practice*. 2021 Apr 1; 24(4):576.
26. Functional Independence Measure (WeeFIM) normative data in Indian children aged three to seven years. Krima Chokshi, Jaya Shanker Tedla, Amitesh Narayan, Sai Lakshmi Ganesan. *National Medical Journal of India*. (Accepted)
27. Reddy RS, Meziat-Filho N, Ferreira AS, Tedla JS, Kandakurti PK, Kakaraparthi VN.

Comparison of neck extensor muscle endurance and cervical proprioception between asymptomatic individuals and patients with chronic neck pain. *Journal of Bodywork and Movement Therapies*. 2021 Apr 1; 26:180-6.

28. Kandakurti PK, Reddy RS, Kakarparthy VN, Rengaramanujam K, Tedla JS, Dixit S, Gautam AP, Silvian P, Gular K, Eapen C, Cg SK. Comparison and Association of Neck Extensor Muscles' Endurance and Postural Function in Subjects with and without Chronic Neck Pain—A Cross-Sectional Study. *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2021 Mar 31.

29. Alahmari KA, Kakarparathi VN, Reddy RS, Samuel PS, Tedla JS, Rengaramanujam K, Ahmad I, Sangadala DR, Mukherjee D. Foot Posture Index Reference Values among Young Adults in Saudi Arabia and Their Association with Anthropometric Determinants, Balance, Functional Mobility, and Hypermobility. *BioMed research international*. 2021 Mar 28; 2021.

30. Alahmari KA, Rengaramanujam K, Reddy RS, Silvian Samuel P, Ahmad I, Nagaraj Kakarparathi V, Tedla JS. Effect of Disability-Specific Education on Student Attitudes Toward People With Disabilities. *Health Education & Behavior*. 2021 Mar 11:1090198121995774.

31. Dixit S, Ahmad I, Gular K, Eid RA, Reddy RS, Ribeiro IL, Abohashrh M, Alshahrani MS, Tedla JS, Dixit NA. Efficacy of single versus multiple exposure by electromagnetic modalities on gram-negative and positive bacterial strains in an in-vitro model. *Saudi Journal of Biological Sciences*. 2021 Mar 1; 28(3):1678-86.

32. Alshehri S, Tedla JS, Reddy RS, Silvian PS, Rengaramanujam K, Kakarparathi VN, Ahmad I, Alahmari KA. Development of Arabic Version of Vestibular Disorders Activities of Daily Living Scale: Cross-Cultural Adaptation and Assessment of Psychometric Properties. *Med Sci Monit*. 2021:e928977

33. Tedla JS, Asiri F, Alshahrani MS, Gular K. Hypermobility among children with autism spectrum disorders and its correlation with anthropometric characteristics. *JPMMA*. 2021; 71(1076).

34. Hakami AR, Alasmari S, Makkawi M, Mansour AA, Ahmad I, Al Shahrani M, Alkhathami A, Dera AA, Tedla JS, Almane S, Abudahish A. Effects of Photobiomodulation Therapy on Glycemic and Lipid Profiles In Vitro. *Medical Lasers; Engineering, Basic Research, and Clinical Application*. 2020 Dec 31;9(2):172-8.

35. Alahmari KA, Reddy RS, Tedla JS, Samuel PS, Kakarparathi VN, Rengaramanujam K, Ahmed I. The effect of Kinesio taping on cervical proprioception in athletes with mechanical neck pain—a placebo-controlled trial. *BMC Musculoskeletal Disorders*. 2020 Dec; 21(1):1-9.

36. Alahmari KA, Reddy RS, Samuel PS, Tedla JS, Kakarparathi VN, Rengaramanujam K. Intra-rater and inter-rater reliability of neutral and target lumbar positioning tests in subjects with and without non-specific lower back pain. *Journal of Back and Musculoskeletal Rehabilitation*. 2020 Nov 27(Preprint):1-1.

37. Reddy RS, Maiya AG, Rao SK, Alahmari KA, Tedla JS, Kandakurti PK, Kakarparathi VN. Effectiveness of kinaesthetic exercise program on position sense, pain, and disability in chronic neck pain patients with cervical spondylosis—A randomized comparative trial. *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2020 Nov 23; 23.

38. Alahmari KA, Silvian SP, Ahmad I, Reddy RS, Tedla JS, Kakarparathi VN, Rengaramanujam K. Impact of smartphone usage on efficacy of physiotherapy exercises and intervention measures for mechanical neck pain: a quasi-experimental study. *South African Journal for Research in Sport, Physical Education and Recreation*. 2020 Nov 1; 42(3):11-28.

39. Mastour Saeed Alshahrani, Jaya Shanker Tedla, RAVI SHANKAR REDDY, Faisal Asiri. Effectiveness of Hydro-galvanic Bath on Improving Pain, Disability, and Quality of Life in Subjects with Chronic Nonspecific Neck Pain: A Randomized Controlled Trial. *Evidence-Based Complementary and Alternative Medicine*. Volume 2020. Article ID 7974816. <https://doi.org/10.1155/2020/7974816>

40. KHALID A ALAHMARI, Kanagaraj Rengaramanujam, RAVI SHANKAR REDDY, Paul Silvian Samuel, Jaya Shanker Tedla, Venkata Nagaraj Kakaraparthi, Irshad Ahmad. The immediate and short-term effects of dynamic taping on pain, endurance, disability, mobility and kinesiophobia in individuals with chronic non-specific low back pain: A randomized controlled trial. PLOS One. 29th September 2020. <https://doi.org/10.1371/journal.pone.0239505>
41. Khalid A. Alahmari, Paul Silvian, Irshad Ahmad, Ravi Shankar Reddy, Jaya Shanker Tedla, Venkata Nagaraj Kakaraparthi, and Kanagaraj Rengaramanujam. Effectiveness of Low-Frequency Stimulation in Proprioceptive Neuromuscular Facilitation Techniques for Post Ankle Sprain Balance and Proprioception in Adults: A Randomized Controlled Trial. BioMed Research International. 24th September Volume 2020. Article ID 9012930. <https://doi.org/10.1155/2020/9012930>
42. KHALID A ALAHMARI, Kanagaraj Rengaramanujam, RAVI SHANKAR REDDY, Paul Silvian Samuel, Venkata Nagaraj Kakaraparthi, Irshad Ahmad, Jaya Shanker Tedla. Cardiorespiratory fitness as a correlate of cardiovascular, anthropometric and physical risk factors: Using the Ruffier test as a template. Canadian Respiratory Journal. 8th September Volume 2020. Article ID 3407345. <https://doi.org/10.1155/2020/3407345>
43. Khalid, Nagaraj, Ravi Shankar, Jaya Shanker, Kanagaraj, Irshad. Combined Effects of Strengthening and Proprioceptive Training on Stability, Balance, and Proprioception Among Subjects with Chronic Ankle Instability in Different Age Groups: Evaluation of Clinical Outcome Measures. Indian Journal of Orthopedics 2020; <https://doi.org/10.1007/s43465-020-00192-6>
44. Ayed A Alshahrani, Mohaned Saeed Argan, Waleed Ali A Alqahtani, Majed Abdullah M Al Hoban, Jaya Shanker Tedla, Irshad Ahmed. The Management of Massive Tibial Bone Defect Using Unifocal Bone Transport with Ilizarov Apparatus: A case study. Integrative Journal of Medical Sciences. 2020; 7. <https://mbmj.org/index.php/ijms/article/view/165>
45. The Effectiveness of Hand-Arm Bimanual Intensive Therapy on Hand Function Among Children with Unilateral Spastic Cerebral Palsy: A Meta-analysis. European Neurology. 2020;83(2): 131-137
46. Alshahrani MS, Reddy RS, Tedla JS. Effectiveness of Hydro-Galvanic Bath Therapy on Global Health Status, Quality of Life, Depression, and Pain in Individuals with Fibromyalgia—A Quasi-Experimental Study. Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin. 2020 Apr 1.
47. Asiri F, Tedla JS, Alshahrani MD, Ahmed I, Reddy RS, Gular K. Effects of patient-specific three-dimensional lumbar traction on pain and functional disability in patients with lumbar intervertebral disc prolapse. Nigerian Journal of Clinical Practice. 2020 Apr 1; 23(4):498.
48. Tedla JS, Sangadala DR, Gular K, Mukherjee D, Gyer G. Oblique direction reach test: a pilot test to measure limits of stability in oblique direction and its psychometric properties. Chulalongkorn Medical Journal. 2020; 64(1):65-73.
49. Tedla JS, Sangadala DR. Proprioceptive neuromuscular facilitation techniques in adhesive capsulitis: a systematic review and meta-analysis. Journal of Musculoskeletal & Neuronal Interactions. 2019; 19(4):482.
50. Jaya Shanker Tedla, Snehil Dixit, Kumar Gular. Robotic-assisted gait training effect on function and gait speed in subacute and chronic stroke population: a systematic review and meta-analysis of randomized controlled trials. European Neurology 2019; 81: 103-111.
51. Jaya Shanker Tedla, Devika R. Sangadala, Kumar Gular, Kanagaraj Rengaramanujam, Debjani Mukherjee. Reference values for functional and lateral reach test among young

- adults: Their psychometric properties and correlation with anthropometric parameters. *Medical Science Monitor*. 2019; 25: 5683-5689.
52. Ravi Shankar Yerragonda Reddy, Jaya Shankar Tedla, Snehil Dixit, Abohashrh Mohammed. Cervical proprioception and its relationship with neck pain intensity in subjects with cervical spondylosis. *BMC Musculoskeletal Disorders* 2019; 20: 447.
 53. Snehil Dixit, Irfan Ahmad, Kumar Gular, Jaya Shanker Tedla. Comparison of anti-microbial effects of low-level laser Irradiation and microwave diathermy on gram positive and gram-negative bacteria's in vitro model. *Medicina*. 2019; 55: 330.
 54. Giles Gyer, Jimmy Michael, James Inklebarger, Jaya Shanker Tedla. Spinal Manipulation Therapy: Is it all about the brain? A current review of the neurophysiological effects of manipulation. *Journal of Integrative Medicine*. 2019; 17(5): 328-337.
 55. Dixit S, Tedla JS. Effectiveness of robotics in improving upper extremity functions among people with neurological dysfunction: A Systematic Review. *The International journal of neuroscience*. 2018 Oct 12:1.
 56. Abdulrahman M. Alamri, Jaya Shanker Tedla, Irshad Ahmad, Abdullah Laftal, Abdul hamid AlGhamdi. Musculoskeletal disorders among ophthalmologists in the kingdom of saudi arabia: a cross-sectional study. *KKU Journal of Health Sciences* 2018;3(1): p 7-12.
 57. Alahmari K, Shanker J, Gular K. Physical therapy student's satisfaction during their practical and clinical training sessions at Abha, Saudi Arabia. A cross-sectional study. *General and Professional Education*. 2017 Mar; (1):3-7.
 58. Midde AK, Panigrahi M, Kumari M, Tedla JS. Normative Values for Cervical Lordosis: A Cross Sectional Study. *Journal of Musculoskeletal Research*. 2017 Dec; 20(04):175
 59. Jaya Shanker Tedla. Construction of a new questionnaire for assessing Physical Therapy student attitude towards their education and profession and testing its validity and reliability. *Phys Ther Rehabil Sci* 2017; 6 (1):20-25.
 60. Jaya Shanker Tedla, Kumar Gular, Jhansi Rani. Effectiveness of motor task interference during gait in subjects with Parkinson's Disease: a randomized controlled trail. *Int J Physiother* 2017; 4(2):101-105.
 61. Hussain AM, Salowa H, Jaya Shanker Tedla, Saleh AM, Rizvi SA, ALRammah TY. Radiography student's satisfaction during their practical and clinical training sessions at King Khalid University, Saudi Arabia: A cross-sectional study. *Biomedical Research*. 2016; 27(4): 1374-1377.
 62. Ayed S, Jaya ST, Irshad A. Effect of ilizarov frame fixation on functional outcome in aseptic tibial non-union cases at Abha, Kingdom of Saudi Arabia: An experimental study design. *Journal of Taibah University Medical Sciences* 2015;10(2): 216-22
 63. Dixit S, Chakravarthy K, Reddy RS, Tedla JS. Comparison of two walk tests in determining the claudication distance in patients suffering from peripheral arterial occlusive disease. *Adv Biomed Res* 2015; 4: 123.
 64. S Paul Silvian, Khalid Alahmari, Faisal Asiri, Jaya Shankar Tedla, Irshad Ahmad Abdul Hameed, Ravishankar Reddy. Perceived Readiness to Practice (PRTTP): A Study among Physiotherapy Students in Abha, Saudi Arabia. *Mediterranean Journal of Social Sciences* 2015; 6(4) S3: 175-181
 65. Venkata NK, Khalid A, Irshad A, Jaya ST. Normal Q-Angle Values in Asymptomatic Young Adults in Abha, Aseer Region, Kingdom of Saudi Arabia. *J Pharma Biomed Sci* 2015;05(04):272-275.
 66. Das, Baisakhi, Vijaya Kumar.K, Jaya Shanker Tedla, Amitesh Narayan. Normative Data

- for Foot Posture Index (FPI-6) and Association of Foot Posture with Anthropometric Parameters in School Children from Mangalore: A Cross Sectional Study. *International Journal of Research and development of Health* 2014; 2 (3): pp. 107-115
67. Jaya Shanker Tedla, Anupama Bajaj, Abraham M Joshua, Ganesh Kamath. Psychometric Properties of Hammersmith Infant Neurological Examination in 12 Months Old High-Risk Infants: A Cross Sectional Study. *Indian Journal of Physiotherapy and Occupational Therapy* 2014; 8(2): 169-177.
 68. Vaishali K, Tedla J, Bhat K, Kumar SP, Sisodia V. Craniosacral Therapy for Pediatric Neurodevelopmental Disorders: A Critical Review. *Indian Journal of Medical & Health Sciences*. 2014 Jan 1;1(1):31.
 69. Jaya Shanker Tedla. Strength training effects on balance in spastic diplegia subjects: a randomized controlled trial. *J Pediatr Neurol* 2014;12(1)
 70. Jaya S. Tedla, Sai L. Ganesan, Jahir Abbas, Shyam Krishnan, Jane S. Acevedo; Effect of foot plate on foot posture in children with cerebral palsy: An experimental study. *International Journal of Physiotherapy Research & Practice* 2013;1(1):23-27.
 71. MY Wong, Sai L Ganeshan, U V Shenoy, Jaya S Tedla, VS Binu. Reliability of INFANIB among normal and high-risk term neonates: A cross sectional study. *Majmaah Journal of Health Sciences* 2013; 1 (2):7-12.
 72. Jaya S Tedla. Irshad Ahmad, Ultrasound and Phonophoresis effect on eczema lesion in a 37-year-old male patient: A single case study. *Majmaah Journal of Health Sciences* 2013; 1(2): 49-52.
 73. Rahul S.Bisen, Jaya Shanker Tedla, K. Vijaya Kumar. Reference Values of Isometric Trunk Muscle Strength in School Age Children using a Hand-Held Dynamometer: A cross- sectional study. *Physiotherapy and Occupational Therapy Journal*, July - Sept 2012; 5(3):107-115.
 74. Jaya Shanker Tedla, Sourav Saha, Sailakshmi Ganeshan. Normative Data for the Bruininks-Oseretsky Test of Motor Proficiency in Indian Children 6½ to 9½ Years Old: A Cross-Sectional Study *Critical Reviews in Physical and Rehabilitation Medicine*.2012; Vol 24 (1-2): 125–136
 75. Jahir Abbas, Jaya Shanker Tedla and Shyam Krishnan. Normative data of BOTMP in children of 9 ½ to 14 ½ years: Across sectional study. *Critical Reviews in Physical and Rehabilitation Medicine*. 2011; 23(1-4): 125-133.
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Books Published

1. Health-Related Quality of Life in Patients with Cerebral Palsy. Jaya Shanker Tedla, Himani Dalmia, Sai Lakshmi Ganesan. ISBN: 978-613-9-44334-5. Lambert Publication. 2018

Papers under Review

1. High-Definition Trans Cranial Direct Current Stimulation and its effects on cognitive functions: A systematic review.
2. Diagnostic trends and treatment choices for benign paroxysmal positional vertigo among medical professionals. (CMJ)
3. Carrying angle and its correlation with age, height, weight, and BMI in a Saudi population
4. The upper quarter muscle imbalances in stiff shoulder conditions- a systematic review.
5. Effect of transcranial direct current stimulation (tDCS) on upper limb motor function in patients after stroke: An overview review of systematic reviews
6. Correlation and Comparison of quadriceps endurance and knee joint proprioception errors in individuals with and without unilateral knee osteoarthritis.

7. Effect of Lower-Limb Constraint-Induced Movement Therapy on Gait, Balance, and Cardiovascular parameters – A Systematic Review and Meta-Analysis"

Research projects completed

- Effect of cryotherapy on ankle joint proprioception in non-symptomatic subjects; an Interventional study
- Effect of bridging exercise on cardiovascular parameters in hypertensive patients
- Measurement of diastases recti in post-natal period
- Drooling impact scale in children with cerebral palsy
- The effect of Kinesio-taping on hand function in children with Cerebral Palsy
- Comparison of Physical Therapy Educational Curriculum between Various Universities of Kingdom of Saudi Arabia
- Reliability and validity of hand held dynamometer in checking trunk muscle strength
- Effect of aerobic versus breathing exercises in decreasing hypoxia effects and improving the acclimatization process in the newcomers of the Abha: A randomized controlled trial
- Normative data for cubitus valgus in Saudi population.
- Normative data for gait speed in Saudi population.
- Validation of the Arabic version of WOMAC

Conference Presentations

1. WCPT-AWP & PTAT Congress 2017, Bangkok, Thailand, 28 to 30 June 2017. Presented a paper on Effectiveness of robotics in improving lower extremity functions among people with neurological problems: A systematic review.
2. Strength Training in Children with Spastic Diplegia Cerebral Palsy the Past, Present and Future" Presented in 2nd International Conference and Exhibition on Physical Medicine & Rehabilitation. Held on 14-16th July 2014 at Baltimore, Maryland, USA
<https://www.omicsonline.org/2329-9096/2329-9096.S1.006-014.pdf>
3. Presented a Poster at the 11th Annual Research Day of the Health Colleges held on 31st August 2015 at King Khalid University, Abha, and KSA. Topic of the poster is "Reliability of INFANIB among normal and high risk term neonates: A cross sectional study".

Currently working projects

1. Effect of low-level laser therapy on hyperglycemia and insulin levels in individuals with pre diabetes and diabetes. A randomized controlled trial.
2. Effect of hydrogalvanic bath on pain, strength, function and pressure pain threshold in subjects with chronic pain syndromes.
3. Transcranial direct current stimulation combined with trunk targeted proprioceptive neuromuscular facilitation and its effects on impairments, activity limitations and participation restrictions of subjects with sub-acute stroke: A randomized controlled trial

Workshops conducted

- Neural mobilization -2 Times
- Proprioceptive neuromuscular facilitation – 7 Times
- Strength training for stroke patients
- Stroke rehabilitation
- Electroneuromyography
- Sensory integration – 11 Times
- Autism and sensory integration – 4 Times
- Guest lectures in International Brain Research Organization workshop
- Training the rehabilitation faculty in Ministry of Health, Iraq
- Neuro Developmental Treatment – 7 Times
- Learning Disability – 4 Time
- Myofascial Release – 3 Times
- Urinary Incontinence – 2 Times
- Trans-cranial Direct Current Stimulations – 2 times

Guest speaker

- Given a Lecture on 17 April 2013, in the Physiotherapy department of Aseer Central Hospital about “Rehabilitation of Cerebral Palsy Patients”
- Contributed a seminar about Rehabilitation of Military Patients in the “Determined Medical Teams Respond to Decisive Storm Symposium” on 20-04-2015 at King Khalid University.
- Speaker of the following topics two at Armed Forces Hospital, Khamis Mushiyath World Physiotherapy Day-2015 “Fulfilling Potential” on 16-09-2015. Topic-1: Recent Advances in Physical Therapy Management of Cerebral Palsy, Topic-2: Key principles of Therapy for obtaining optimal fulfilling potential in Pediatric Habilitation.
- Provided a talk for Neurosurgery Department at Aseer Central Hospital on 05-11-2015 about “Rehabilitation of Head Injury Patients”
- Provided a talk about “Physical Therapy management of children with Spastic Diplegia Cerebral Palsy. In Physiotherapy Department, Armed Forces Hospital, Southern Region on March 2016
- Physical Therapy for spinal cord injury patients
- Strength training in spastic diplegia past, present and future
- Speaker for transcranial direct current stimulations. Manipal University, India, 2020
- Speaker for transcranial direct current stimulations. Gulf Medical University, UAE, 2021

Community programs conducted

- Rehabilitation of children with neuromuscular disorders in Children Rehabilitation Centre and Kurdistan Save the Children organization, Sulaimaniya, Iraq
- Prevention of back pain, Mobility in old age
- How to prevent osteoporosis old women
- Talk for Parents on Understanding mentally challenged children
- Talk for community on how to prevent disability
- Community program conducted for individuals in Bareq, Aseer, KSA

CMEs, Courses and workshops attended

- Hands on Workshop on exclusive stroke rehabilitation based on Bobath/NDT Concepts held on 3rd and 4th September 2016 at Sri Siddhartha Physiotherapy and Rehabilitation Center, Hyderabad, India (16 credit hours)
- Workshop on Excel and SPSS held on 18th and 19th of November 2015 at College of Applied Medical Sciences, King Khalid University, Guraiger, Abha
- Attended “Contemporary NDT treatment of the Baby and Young Child” Held on 16th and 17th of August 2015 (13 credit Hours)
- Attended course on “Arabic Language for non-native speakers” from 01-02-2015 to 08-04- 2015 at deanship of Community Service and Continuing Education , King Khalid University, Abha, KSA (72 Credit hours)
- Participated in Workshop on Blended course held on 18th February 2015 at College of Applied Medical Sciences, King Khalid University, Guraiger, Abha
- Participated in E-Learning workshop held on 5th November 2014 at College of Applied Medical Sciences, King Khalid University, Guraiger, Abha
- Attended workshop on Stem Cell in Regenerative Medicine held on 30th April 2013 at College of Medicine, King Khalid University, Guraiger, Abha
- Participated in workshop titled “ Students Assessment Via Blackboard 9.1” held on 25-12- 2012 at E-Learning Deanship, King Khalid University, Guraiger, Abha
- Participated in workshop titled “ Enhancing Communication and Participation Via Blackboard 9.1” held on 23-12-2012 at E-Learning Deanship, King Khalid University, Guraiger, Abha
- Participated in workshop titled “ Virtual Classes System (Elluminate)” held on 28-11- 2012 at E-Learning Deanship, King Khalid University, Guraiger, Abha
- Participated in workshop titled “ Students and Assessment Higher education” held on 19th and 20th November 2012 at Academic Development and Quality Deanship, King Khalid University, Guraiger, Abha
- Participated in workshop titled “ Basic course of LMS Via Blackboard 9.1” held on 11-11- 2012 at E-Learning Deanship, King Khalid University, Guraiger, Abha
- Workshop on Hydrotherapy and Neurorehabilitation, King Khalid University, Abha, by Johan Lambeck, November 2012.
- Certified Neuro Developmental Therapist – Adult from International Bobath Instructors Training Association, Amstelveen, Netherlands Course instructor John D Moor March 2012
- Certification in Neuro Developmental Therapy from Neuro Developmental Treatment Association, USA, Certificate #: PED N-9AFF0-031, Jane Stayer Acevedo, March 2011
- Certification in sensory integration from university of southern California, USA. CSI certificate no 3288, Susan Smith Roley, Erna I Blanche Feb. 2010
- Constrained induced movement therapy and locomotor training - Resource person Dr. Stacy Fritz from University of South Carolina, USA, July 2009
- Certificate course in Biostatistics, epidemiology and research methodology, December 2008 from Manipal University
- Enhancing trunk stability for children with movement dysfunction based on NDT approach Resource person - Ms. Timmie Wallace New Mexico USA September 2007
- National level workshop on Gait analysis, September 2007
- Intensive course in the management of the developmentally disabled child: emphasizing handling dynamics to promote postural control using Neuro

developmental treatment and myofascial release techniques. Resource person - Elisa M Penn University of New Mexico, USA August 2007

- Sensory integration and self-regulation: examining the evidence and applying to autism. Resource person - Susanne Smith Roley USC, USA May 2007
- MOVE (Mobility opportunities via education) basic course of MOVE international, USA Resource persons - Dr Keith Whinnery and D Linda Bidabe. January 2006
- Post-surgical rehabilitation for cerebral palsy by Dr Deepak Sharan September 2006
- Integrated treatment (NDT and SI): advanced planning course work Resource person - Nancy C Rasch, University of New Mexico, USA December 2005
- Oral – Motor and Oral - Sensory disorders with focus on Feeding and Swallowing issues Assessment and Intervention. Resource person - Alyx Medlock, Therapy Solutions , USA January 2005
- Neurodevelopment therapy and myofascial release techniques in the treatment of multiply handicapped children. Resource person - Kathy Patten, USA January 2004
- Sensory integration therapy combining NDT and SI techniques. Resource person - Nancy Campell Rasch, University of New Mexico, USA January 2004
- Workshop on application of principles of Neuro developmental therapy for adult and pediatric rehabilitation. Resource persons - Karen Matsuura and Annie Verghese, Oakland, USA, March 2004
- Continuing rehabilitation education in Skill enhancement course in handling children with neuromotor system Pathology. Resource person - Mr. Raj Kumar Rajan India November 2003
- Evidence Based Physical Therapy intervention for adult hemiplegia following a stroke. Resource person - Nicole Charlebois-Refae, Kuwait University, Jan 2003
- Developmental aids for children with developmental delay.
- An introduction to Vojta's method.
- Administration of research tools for the developmental assessment of children (Bayley I, II & Wechler's I, II).
- Pediatric Rheumatology
- Urinary Incontinence
- Neuro developmental therapy.
- Sports Medicine, Muscle energy techniques, Hand therapy, Fitness and sports therapy.
- Cardio pulmonary resuscitation and ICU physical therapy.
- Cardiac rehabilitation, Oncology for physical therapists.
- An introduction to Vojta's method.
- Administration of research tools for the developmental assessment of children (Bayley I, II & Wechler's I, II).
- Electrophysiology
- Evidence based practice in physiotherapy
- Teaching methodology
- Basic course on Pub Med search
- Research and data analysis using SPSS 18 version
- Trends in neuroscience research
- Physiotherapy management of people with spinal cord injuries.
- Research methodology
- Physiotherapy for Critically ill Adult Patient

Achievements

- Alka Verma memorial award for mock (1st prize) and quiz (2nd prize) in 39th annual IAP conference.
- Best poster award titled Innovative Approaches to Frontal Lobe Deficits in Scientific session on January 2001, 3rd Annual Physiotherapy student's conference, Karnataka.

Conferences attended

- 11th Annual Research Day of the Health Colleges held on 31st August 2015 at King Khalid University, Abha, KSA
- International Spinal Cord Injury Conference held on 4-6th March 2014 at Sultan Bin Abdulaziz Humanitarian City, Riyadh, Kingdom of Saudi Arabia.
- 2nd International Conference and Exhibition on Physical Medicine & Rehabilitation. Held on 14-16th July 2014 at Baltimore, Maryland, USA.
- 2nd, 3rd, 4th and 5th annual Karnataka Physiotherapy students' conferences.
- 1st All India physiotherapy student conference.
- 39th Annual IAP conferences.
- 43rd IAP conference & presented paper on Comparison of Energy expenditure in Community ambulating Spastic Diplegia children with and without walker.
- 45th IAP conference & presented paper on Reliability of hand held dynamometer in knee muscles in children
- History of Indian science, Technology and Medicine.
- 48th IAP conference & speaker for the symposium on "Pediatrics"
- South Indian Physiotherapy Conference - STRING'08

Memberships

- Life membership (Reg. No.7610) in Indian Association of Physiotherapists, India.
- Membership in Neurodevelopmental Therapy Association, U.S.A
- Fellow in academy of general education (No.9847), India.
- Membership in International Brain Research Organization.

Camps attended:

- Screening, evaluation, counseling, management of multiply handicapped children in Angavikalara Ashakirana Trust, Davanagiri and in Manasa Rehabilitation and Training Center, Udupi.
- Karnataka state level Special Olympics conducted in Udupi in March 2004.
- Physiotherapy camp at Suryapet, Nalgonda (AP)
- Rotary club Cerebral Palsy camp at Cheruvattur, Kerala. 25th September 2011.

Extra-Curricular Activities

- Participated in sporting activities such as athletics, swimming, chess, etc., and won prizes.
- Participated in various cultural activities like singing, dancing, drama, variety show, painting and clay molding and won prizes.

References:

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I hereby declare that the information furnished above is true to the best of my knowledge.

Sincerely,

Dr. Jaya Shanker Tedla