

Prof. Dr Karthik Babu S., PT., PhD

Principal & Professor, KMCH College of Physiotherapy

Dr. Karthik Babu S, PT, PhD is a researcher, educator, clinician and administrator. He is the Principal and Professor of *KMCH College of Physiotherapy, Dr NGP Research and Educational Trust (Formerly KMCRET)*, Coimbatore, affiliated to The Tamil Nadu Dr. M.G.R. Medical University, India. He studied *Master of Physiotherapy in Neurosciences* and *PhD in "Trunk Rehabilitation Post-Stroke"* from *Manipal Academy of Higher Education (MAHE)*, Formerly Manipal University, India. He is the Co-Principal Investigator of *Biotechnology Industry Research Assistant Council (BIRAC)* joint funded project. He published 45 articles in PubMed, Scopus and WoS indexed journals. His Google-Scholar research metrics are 1320 citations, H-index of 16 and i-10 index of 20. He was the Topic Editor of *Frontiers in Human Neurosciences (2021-22)* and included in the international editorial board of *World Journal of Pediatrics*. He reviewed more than 70 papers for SCOPUS and WoS indexed journals. He contributed to the "Standardized measurement of mobility after stroke": Consensus based core recommendations from the *Stroke Recovery and Rehabilitation Roundtable*. He was the recipient of best lecturer award, scientist award, best conference paper award, as well copyrights from Government of India. He underwent upper limb stroke rehabilitation summer school in *University of Leuven - KU Leuven, Belgium* in 2018. He taught skill training on 'core business after stroke' in *Saxion University, Netherlands* in 2018. His major research interests are trunk training, physical activity, mobility training and hand functioning for people with stroke and Parkinson's disease. He established a play and art based motor skill training in children with developmental challenges. He underwent international certifications in *Constrained Therapy (University of Alabama at Birmingham, USA)*, *Vestibular Rehabilitation (Duke University, USA)*, *Proprioceptive Neuromuscular Facilitation (IPNFA)*, *Halliwick-Water Specific Therapy* and *Bad Razag Ring Method (Association of International Aquatic Therapy Faculty)*, *Wheelchair Service Provision International (Society of Wheelchair Professionals)*, *Cranio-Sacral Therapy (Upledger Institute International, USA)*, *Neuro-Developmental Therapy (IBITA, NDTA, USA)*, *Prechtl's General Movements (GM Trust, University of Graz, Austria)*, *Pediatric Bobath concepts and Movement Analysis and Educational Strategies Therapy*. His clinical expertise involves habilitation of children with developmental disabilities, and rehabilitation of people with stroke, head injury, spinal cord injury, Parkinson diseases and related neuromuscular conditions. He was born on 27th November 1978. Personal email: karthikbabu78@gmail.com office email: principal@kmchphysiotherapy.ac.in

Educational/ Academic Qualifications

- ✚ Bachelor of Physiotherapy. Sri Ramakrishna College of Physiotherapy, Coimbatore. Dr. M.G.R Medical University, TN. August 1996 - August 2000.
- ✚ Master of Physiotherapy in Neurosciences. Manipal University (MU), August 2003 - July 2006.
- ✚ Philosophy of Doctorate (PhD in Trunk Rehab Post Stroke). MU, Manipal. November 2010 - January 2017.

Current Academic and Administrative Role

- ✚ Principal and Professor, KMCH College of Physiotherapy, Kovai Medical Center Research & Educational Trust, Coimbatore, Since February 2022.

Previous Academic Experience

- ✚ Faculty, Kakatiya College of Physiotherapy, AP, August 2000- August 2003.
- ✚ Tutor, Manipal College of Allied Health Sciences, July 2005 - July 2006.
- ✚ Lecturer, Department of Physiotherapy, Kasturba Medical College, Mangalore, MU. November 2006 - July 2008.
- ✚ Assistant Professor, Department of Physiotherapy, Kasturba Medical College, Mangalore. August 2008 - August 2012.
- ✚ Assistant Professor - Selection Grade, Department of Physiotherapy, SOAHS, MU, Bangalore. August 2012 - January 2017.
- ✚ Associate Professor, Manipal College of Health Professions (MCHP), MAHE, Department of Physiotherapy, Bangalore. February 2017 - January 2022.

Previous Administrative Positions

- ✚ Academic coordinator for the Allied Health PG courses, MCHP, Bangalore
- ✚ NAAC coordinator/ NAAC committee member, MCHP
- ✚ Alumni relations coordinator, MCHP, Bangalore, MAHE
- ✚ PhD supervisor (MAHE Senate approval number - 201815)
- ✚ Research coordinator for MPT program, MCHP, Bangalore

Academic Experience: 22 years (BPT: 2000-2003; MPT: Since 2006)

Clinical Experience: 24 years (Since 2000)

Specialization in Major Field: Neurorehabilitation

Specialization in Fine Fields: Motor control; Motor learning; Motor development; Brain plasticity and neural repair; Trunk control; Arm recovery; Postural control; Mobility; Physical activity; Cognitive and behavioral neuroscience; Art and integrative therapy and technology-based rehabilitation.

Honorary Member - Academic Bodies, Research and Development

- ✚ Advisory member, Institutional Research Committee: Association of People with Disability, Karnataka (2015-22) & Chitkara University, Punjab (2015-22)
- ✚ Coordinator, Centre for Comprehensive Stroke Rehabilitation and Research, MCHP, Bangalore, MAHE (2015-22).
- ✚ Board of Studies, Academic Expert Member, Physiotherapy: Sikkim Manipal University (2019- 23).
- ✚ Member/ Subject Expert, DAC: Kasturba Medical College, Mangalore; Anatomy, Melaka Manipal Medical College (2017-2021).
- ✚ External Expert Member, Doctoral Advisory Committee: SRM University, Chennai (2019-23), Trichy (Since 2023), Yenepoya University (Since 2022). MS Ramaiah, RGUHS (Since 2023). SRIHER (Since 2022)
- ✚ External Member, Board of Studies, Faculty of Allied Health and Basic Sciences, Sri Devaraj Urs Academy of Higher Education and Research, Kolar, Karnataka (from 2024).
- ✚ Academic Expert Member, Board of Studies, Health Science & Allied Health Sciences. Kalasalingam Academy of Research & Excellence, Krishnankovil (from 2024).
- ✚ External Member, Board of Research Studies, Sri Ramachandra Institute Higher Education & Research (Since 2024),

Member in Professional Societies

- ✚ International Parkinson & Movement Disorders Society Member ID. 99141
- ✚ International Stroke Recovery and Rehabilitation Alliance (ISSRA)
- ✚ World Federation of Neuro Rehabilitation (WFNR)
- ✚ Indian Federation of Neuro Rehabilitation (IFNR) LM No: 167
- ✚ Indian Academy of Cerebral Palsy (IACP). Regd. No. LM26/PT/2014
- ✚ International Spinal Cord Society (ISCoS). Regd. No. 1608
- ✚ Indian Association of Physiotherapy (IAP). Regd. No. L-32031
- ✚ Special Interest Group -Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)
- ✚ International Society of Wheelchair Professionals (ISWP)

Editor and Member of Editorial Board

- ✚ Topics Editor of *Frontiers in Rehabilitation Sciences* - "Upper limb rehabilitation post-stroke" - 2021-2022
- ✚ The topic "Upper limb rehabilitation post-stroke" is cross-linking with "*Frontiers in Human Neuroscience*" - 2021-2022

- ✚ International editorial board member of *World Journal of Pediatrics* (Ranked 9/298 in Pediatrics and perinatology journals with an IF of 9.6).

Funded Research Projects

- ✚ BIRAC-PACE funded project titled "Enabling Functional Mobility through Advanced Gait Analysis and Virtual Reality". Collaborators: IIT, Chennai, MSRIT, Bangalore and APD, Karnataka.
- ✚ Dr. TMA Pai sponsored project titled "Effect of Enhanced Bilateral Hand Activity Training on Upper Limb Functional Recovery in People with Stroke - A Randomized Controlled Trial". (PhD Supervisor for Mr. Alexander).
- ✚ Theme Based Research Grant, TNMGRMU for the project titled "Development of Wearable Sensors for Real Time Monitoring of Movement and Gait Parameters".

IPR - Copyright

- ✚ Alexander D, Karthikbabu S, Solomon JM. Bilateral Hand Activity Training Manual - Government of India - Diary No. 29242/2021-CO/L
- ✚ Alexander D, Karthikbabu S, Solomon JM. Bilateral Hand Activity Training: Real World Home Activity Manual - Diary No. 16665/2024-CO/L

International Certifications, Organization

I. Biostatistics and Research Methodology

- ✚ Certificate course in Biostatistics, Epidemiology and Research Methodology: Dept. of Statistics, MAHE, July - December, 2008.

II. Assessment and treatment of adult neurological conditions, International Bobath Instructors Training Association.

- ✚ Bobath Concepts, IBITA, February 20 - March 9, 2012

III. Pediatric Neuro Developmental Training certification

- ✚ Certificate course in specialized treatment of cerebral palsy based on the Bobath concept: Asia Pacific Bobath Instructors Association (APBIA), Pasig, Philippines, April 21 - June 13, 2014.
- ✚ Advanced Handling & Problem Solving Course: NDTA, USA, Oct 6-8, 2015.

IV. Diploma in Fascial Manipulation

- ✚ Level I: Stecco L, Italy, July 3-9, 2015.

V. Cranio Sacral Therapy (CST), Upledger Institute International, USA

- ✚ CST I & II: November 16-19; 22-25, 2015.

VI. Neuro Developmental Therapy - NDTA

- ✚ Advanced Upper Extremity Course: Neuro Developmental Therapy Association (NDTA), USA, January 21-25, 2016.

VII. Prechtl's Method on Qualitative Assessment of General Movements: GM Trust, Austria.

- ✚ Basic GM training course, March 18-21, 2016.
- ✚ Advanced GM training course, March 24-27, 2016.

VIII. Management of Spinal Cord Injuries

- ✚ Physiotherapy for SCI: The International Spinal Cord Society, June, 2016.
- ✚ Basic course on Wheelchair Service Provision: International Society of Wheelchair Professionals, May, 2016.

IX. Pediatric Habilitation - Movement Analysis and Educational Strategies

- ✚ MAES Therapy, UK, January 16 to February 6, 2017.

X. Proprioceptive Neuromuscular Facilitation (PNF): International Proprioceptive Neuromuscular Facilitation Association (IPNFA)

- ✚ PNF Basic course level 1 & 2: August 18-27, 2016.
- ✚ PNF course level 3: August 26-30, 2017
- ✚ Advanced PNF 3b/4a: June 19-23, 2018.
- ✚ Advanced Neurological PNF level 4b: December 13-17, 2019.

XI. Aquatic Therapy - Association of International Aquatic Therapy Faculty

- ✚ Clinical Ai Chi and Aqua T Relax., March 31 & April 1-2, 2018.
- ✚ Bad Razag Ring Method, March 27-30, 2018.
- ✚ Water Specific Therapy - Halliwick, March 22-26, 2018.

XII. Upper Limb Stroke Rehabilitation Summer School - University of Leuven

- ✚ KU Leuven, Belgium, September 19-21, 2018.

XIII. Vestibular Rehabilitation Certification: Duke University

- ✚ Duke University, USA, October 27-31, 2018.

XIV. Certification in Constrained Induced Therapy for Health Professionals - The University of Alabama at Birmingham

- ✚ UAB, USA, May 31 - June 2, 2019.

XV. Systematic Review - Evidence Synthesis.

- ✚ Public Health Evidence South Asia (PHESA), Prasanna School of Public Health, MAHE. July 20 - August 1, 2020.

XVI. Movement Disorders Certification, International Parkinson & Movement Disorder Society

- ✚ Virtual Aspen course/ MDS online regional course - A Comprehensive Review of Movement Disorders for Clinical Practitioner, July 25-29, 2021
- ✚ MDS-AOS 4th Allied Health Course: Rehabilitation for Parkinson's disease and Other Movement Disorders, July 29, 2021

Website Links and Citation Sources of Research Database

ORCHID <http://orcid.org/0000-0002-7513-0606>

Web of Science ResearcherID - ABE-2873-2020

<https://publons.com/researcher/2953529/suruliraj-karthikbabu/>

Scopus ID - 44961060900

<https://www.scopus.com/inward/authorDetails.uri?authorID=44961060900&partne rID=5ESL7QZV&md5=d2e5dba1c932139588b96d3ab1306de4>

Kudos [Dr Suruliraj Karthikbabu - Kudos: Growing the influence of research \(growkudos.com\)](http://www.growkudos.com)

ResearchGate https://www.researchgate.net/profile/Suruliraj_KarthikBabu

S. Karthikbabu | Semantic Scholar

<https://www.semanticscholar.org/author/S.-Karthikbabu/4203178>

Loop profile - 1384391

http://loop.frontiersin.org/people/1384391/overview?referrer=orcid_profile

LinkedIn <https://in.linkedin.com/in/suruliraj-karthikbabu-12555367>

Topic Editor - Textbook

1. Proprioceptive Neuromuscular Facilitation in Neurorehabilitation. In: Physiotherapy for Adult Neurological Conditions. Springer Nature Publisher 2023.

Research Publications (Since 2011)

Articles Published in PubMed, SCOPUS & Web of Sciences

1. Karthikbabu S*, Nayak A, Vijayakumar K, Misri ZK, Suresh BV, Ganesan S, Joshua AM. Comparison of physio ball and mat trunk exercises regimens on trunk control and balance in acute stroke patients: A pilot randomized controlled trial. Clin Rehabil 2011;25(8):709-19. DOI: 10.1177/0269215510397393
ISSN: 0269-2155. Impact factor- 3.0
2. Karthikbabu S*, Rao BK, Manikandan N, Solomon JM, Chakrapani M, Nayak A. Role of trunkrehabilitation on trunk control, balance and gait in patients with chronic stroke. NeurosciMed 2011;2:61-67. 10.4236/nm.2011.22009
ISSN: 2158-2912. Impact Factor - 0.67

3. Prem V, Karvannan H, Kumar SP, Karthikbabu S, Syed N, Sisodia et al. Study of nurses' knowledge about palliative care: A quantitative cross-sectional survey. *Ind J PalliCare* 2012;18:122-27. DOI 10.4103/0973-1075.100832
ISSN: 0973-1075. Impact Factor - 1.0
4. Karthikbabu S*, Chakrapani M, Ganesan S, Rakshith KC, Nafeez S, Prem V. A review on assessment and treatment of trunk in stroke: a need or luxury. *Neural RegenRes* 2012;7(25):1974-1977. <https://doi.org/10.3969/j.issn.1673-5374.2012.25.008> ISSN: 1673-5374. Impact Factor - 3.96
5. Shashikumar CG, Syed N, Shareif M, Karthikbabu S. Position sense acuity across shoulder rotational range of movement in healthy adults. *J Musculoskelet Res* 2012;15. <https://doi.org/10.1142/S0218957712500145>
ISSN: 0218-9577. Impact Factor - 0.2
6. Karvannan H, Chakravarthy RD, Maiya GA, Prem V, Karthikbabu S, et al. Behavior graded activity in patients with hip and knee osteoarthritis. A systematic review. *Indian J Rheumatol* 2012;7:141-46. <https://doi.org/10.1016/j.injr.2012.05.002>
ISSN: 0973-3698. Impact factor - 0.7
7. Mohan U, Karthikbabu S, Vijayakumar K, Suresh BV, Misri ZK, Chakrapani M. Effectiveness of mirror therapy on lower extremity motor recovery, balance and mobility in patients with acute stroke: A randomized sham-controlled pilot trial. *Annals of Indian Academy of Neurology* 2013;16(4):634-39. DOI: 10.4103/0972-2327.120496. ISSN: 0972-2327. Impact factor - 1.7
8. Shah P, Karthikbabu S*, Syed N, Ratnavalli E. Effects of truncal motor imagery practice on trunk performance, functional balance, and daily activities in acute stroke. *J Sci Soc* 2016;43(3):127-134. DOI: 10.4103/0974-5009.190524
ISSN: 0974-5009. Impact factor - 0.3
9. Sneha BS, Karthikbabu S, Nafeez S, Prashanth LK. Effects of trunk proprioceptive neuromuscular facilitation on dynamic balance, mobility and quality of life in Parkinson's disease. *Parkinsonism Relat Disord* 2016;22(2):E68-E69. <https://doi.org/10.1016/j.parkreldis.2015.10.158>
ISSN: 1353-8020. Impact factor - 4.1
10. Karthikbabu S*, Chakrapani M, Ganesan S, Ellajosyula R. Pelvic alignment in standing, and its relationship with trunk control and motor recovery of lower limb after stroke. *Neurol Clin Neurosci* 2016;1-7. <https://doi.org/10.1111/ncn3.12092>
ISSN: 2049-4173. Impact factor - 1.4
11. Karthikbabu S*, Chakrapani M, Ganesan S, Ellajosyula R. Relationship between pelvic alignment and weight-bearing asymmetry in community-dwelling chronic stroke survivors. *J Neurosci Rural Pract* 2016;7(1):S37-S40. DOI: 10.4103/0976-3147.196460. ISSN: 0976-3147. Impact factor - 1.4

12. Dubey L, Karthikbabu S*. Trunk proprioceptive neuromuscular facilitation influences pulmonary function and respiratory muscle strength in a patient with pontine bleed. *Neurol India* 2017;65(1):183-184. DOI: 10.4103/0028-3886.198193 ISSN: 0028-3886. Impact factor - 2.7
13. Karthikbabu S*, Chakrapani M. Hand-held dynamometer is a reliable tool to measure trunk muscle strength in chronic stroke. An observational study. *J Clin Diagn Res* 2017;11(9):YC09-YC12. DOI: 10.7860/JCDR/2017/28105.10672 ISSN: 0973-709X. Impact factor - 1.148
14. Dubey L, Karthikbabu S*, Mohan D. Effects of pelvic stability on movement control, hip muscles strength, walking speed and daily activities after stroke. A randomized controlled trial. *Ann Neurosci* 2018;25(2):80-89. DOI: 10.1159/000486273. ISSN: 0976-3260. Impact factor - 1.32
15. Karthikbabu S*, Chakrapani M, Ganesan S, Ellajosyla R, Solomon JM. Efficacy of trunk regimes on balance, mobility, physical function and community reintegration in chronic stroke: A parallel-group randomized trial. *J Stroke CerebrovascDis* 2018;27(4):1003-1011. DOI: 10.1016/j.jstrokecerebrovasdis.2017.11.003. ISSN: 1052-3057. Impact factor - 2.5
16. Mehta M, Joshua AM, Karthikbabu S, Misri Z, Unnikrishnan B, Mithra P., et al. Effect of taping and abdominal muscles on pelvic alignment and forward reach distance among stroke subjects: A randomized controlled trial. *Ann Neurosci* 2020;26(3-4):10-16. DOI: 10.1177/0972753119887321 ISSN: 0976-3260. Impact factor - 1.32
17. Darak V, Karthikbabu S*. Lower limb motor function and hip muscle weakness in stroke survivors, and their relationship with pelvic tilt, weight-bearing asymmetry, and gait speed. A cross-sectional study. *Current Journal Neurology* 2020; 19(1): 1-7. <https://doi.org/10.18502/ijnl.v19i1.3275> ISSN: 2717-011X. Impact factor - 0.7
18. Kaur A, Balaji GK, Sahana A, Karthikbabu S*. Virtual reality game therapy versus task-specific neurodevelopmental treatment on motor recovery in stroke survivors. *International Journal of Therapy & Rehabilitation* 2020; 1-11. <https://doi.org/10.12968/ijtr.2019.0070> ISSN: 1759-779X. Impact factor - 0.42
19. Jayasree TJ, Karthikbabu S*. Gaze stability exercises incorporating physical activity on functional mobility and disability in unilateral peripheral vestibular hypofunction: a case report. *Indian Journal of Otology* 2020;26(2):93-94. DOI: 10.4103/indianjotol.INDIANJOTOL_106_19 ISSN: 0971-7749. Impact Factor - 0.14

20. Sharma S, Balaji GK, Sahana A, Karthikbabu S*. Effects of cognitive versus mind-motor training on cognition and function skills in the community-dwelling older adults. *Indian Journal of Psychological Medicine*. 2021; 43(4):300-305. doi: 10.1177/0253717620957517. ISSN: 0253-7176. Impact Factor - 2.8
21. Karthikbabu S*, Verheyden G. Relationship between trunk control, core muscles strength and balance confidence in community-dwelling patients with chronic stroke. *Top Stroke Rehabil* 2021;28(2):88-95. DOI: 10.1080/10749357.2020.1783896. ISSN: 1945-5119. Impact Factor - 2.79
22. Jha KK, Karunanithi GB, Sahana A, Karthikbabu S*. Randomized trial of virtual reality gaming and physiotherapy on balance, gross motor performance and daily functions among children with bilateral spastic cerebral palsy. *Somatosensory & Motor Research* 2021;38(2):117-126. doi: 10.1080/08990220.2021.1876016. ISSN: 0899-0220. Impact Factor - 1.11
23. Karthikbabu S*, Sharma S, Balaji GK, Sahana A. Responses to the comments on "Effects of Cognitive Versus Mind-Motor Training on Cognition and Functional Skills in the Community-Dwelling Older adults". *Indian Journal of Psychological Medicine*. 2021;43(6):564. ISSN: 0253-7176. Impact Factor - 2.8
24. Da Cunha CP, Rao PT, Karthikbabu S*. Motor and non-motor factors contributing to sit-to-stand transfer of people with Parkinson's disease: A systematic review. *Egyptian Journal of Neurology, Psychiatry Neurosurgery* 2021;57:143. <https://doi.org/10.1186/s41983-021-00396-z> ISSN: 1687-8329. Impact Factor - 1.3
25. Anand B, Karthikbabu S*. Effects of additional inspiratory muscle training on mobility capacity and respiratory strength for school-children and adolescents with cerebral palsy: A randomised controlled trial. *Brazilian Journal of Physical Therapy* 2021;25(6):891-899. DOI: 10.1016/j.bjpt.2021.10.006. ISSN: 1809-9246. Impact Factor - 4.762
26. Karthikbabu S*, Ganesan S, Ellajosyula R, Solomon JM, Rakshith K, Chakrapani M. Core stability exercises yield multiple benefits for patients with chronic stroke - Randomized controlled trial. *American Journal of Physical Medicine and Rehabilitation* 2022;101(4):314-323. doi: 10.1097/PHM.0000000000001794. ISSN: 0894-9115. Impact Factor - 3.0
27. Kolibylu M, Mohan D, Karthikbabu S*. Effects of traditional Indian dance on motor skills and balance in children with Down syndrome. *Journal of Motor Behavior* 2022;54(2):212-221. doi: 10.1080/00222895.2021. ISSN: 00222895. Impact Factor - 1.45
28. Mahmood A, Deshmukh A, Natarajan M, Marsden D, Vyslysel G, Padickaparambil S, Ts S, Direito A, Kumaran S, N G, Sachdev H, Kumar Veluswamy S, Karthikbabu

- S, Unnikrishnan B, English C, Solomon JM. Development of strategies to support home-based exercise adherence after stroke in Low- and Middle-income Countries: A Delphi Consensus. *BMJ Open* 2022;12(1):e055946. doi: 10.1136/bmjopen-2021-055946. ISSN: 20446055. Impact Factor - 3.006
29. Akhila RM, Karthikbabu S*, Mohan D, Prem V, Roy AK. Task-related trunk training on balance, trunk control, pulmonary function and quality of life in Parkinson's disease: A randomized controlled trial. *International Journal of Therapy & Rehabilitation* 2022; 29(3):1-12. DOI: 10.12968/ijtr.2020.0146 ISSN: 1759-779X. Impact factor - 0.42
30. Khushboo, Karthikbabu S, Rao PT. Review of Bruininks-Oseretsky Test of Motor Proficiency in children with attention deficit hyperactivity disorders. *Clinical and Experimental Pediatrics* 2022; 65(11):512-520. doi: 10.3345/cep.2021.00962. eISSN: 2713-4148. Impact factor - 4.2
31. Suresh V, Prem V, Karthikbabu S*. Proprioceptive neuromuscular facilitation in chronic low back pain and disability. A systematic review and meta-analysis. *Physiotherapy Practice & Research* 2022;43:157-172. DOI: 10.3233/PPR-210572. ISSN: 2213-0683. Impact factor - 0.3
32. Tunga A, Prem V, Karthikbabu S*. Comparison of yoga and physiotherapy on motor neuropsychiatric symptoms and quality of life in Parkinson's disease. *Annals of Movement Disord.* 2022;5:55-64. https://doi.org/10.4103/AOMD.AOMD_49_21 ISSN: 2590-3446. Impact factor - 0.37
33. Nawge S, Karthikbabu S*. Does bimanual task training benefit manual ability and hand function in children with bilateral spastic diplegia? *Journal of Pediatric Rehabilitation Medicine* 2023;16(1):49-57. doi: 10.3233/PRM-210109. ISSN (p): 1874-5393. Impact factor - 1.9
34. Nayak A, Bhave AC, Misri Z, Unnikrishnan B, Mahamood A, Joshua AM, Karthikbabu S. Facilitators and barriers of community reintegration among individuals with stroke: a scoping review. *European Journal of Physiotherapy* 2023;25:5, 291-304, DOI: 10.1080/21679169.2022.2156599 ISSN: 2167-9169. Impact factor - 1.4
35. Sunder S, Rao PT, Karthikbabu S*. Upper limb electromyographic analysis of manual wheelchair transfer techniques in individuals with spinal cord injury: A systematic review. *Journal of Bodywork & Movement Therapies* 2023;(35):385-93. doi: 10.1016/j.jbmt.2023.04.077. ISSN: 1360-8592. Impact factor - 1.4
36. Shilesh K, Karthikbabu S, Rao PT. Impact of Functional Strength Training on Muscle Strength and Mobility in Children with Spastic Cerebral Palsy - A Systematic Review and Meta-Analysis. *Developmental Neurorehabilitation* 2023;262-277. doi: 10.1080/17518423.2023.2218905. ISSN: 1751-8423. IF - 1.86

37. Gnanaprakasam A, Karthikbabu S*, Ravishankar N, Solomon JM. Effect of task-based bilateral arm training on upper limb recovery after stroke: A systematic review and meta-analysis. *Journal of Stroke and Cerebrovascular Diseases* 2023;32(7):107131. doi: 10.1016/j.jstrokecerebrovasdis.2023.107131. ISSN: 1052-3057. Impact factor - 2.5
38. Suresh V, Venkatesan P, Karthikbabu. Effect of proprioceptive neuromuscular facilitation and cranio-cervical flexor training on pain and function in chronic mechanical neck pain: A randomized clinical trial. *Physiotherapy Research International* 2024;29(1):e2058. doi: 10.1002/pri.2058. ISSN:1358-2267. Impact factor - 0.469
39. Nayak A, Misri Z, Choezom, Vasyani MS, Unnikrishnan B, Joshua AM, Karthikbabu S. Reviewing factors that predict community reintegration among community-dwelling subacute stroke subjects: A cross-sectional study. *Critical Reviews™ in Physical & Rehabilitation Medicine* 2024;36(2):1-11. DOI: 10.1615/CritRevPhysRehabilMed.2023049866 ISSN: 0896-2960. Citescor - 0.6
40. Van Criekinge T, Heremans C, Burridge J, Deutsch JE, Hammerbeck U, Hollands K, Karthikbabu S, Mehrholz J, Moore JL, Salbach NM, Schröder J, Veerbeek JM, Weerdesteyn V, Borschmann K, Churilov L, Verheyden G, Kwakkel. Standardized measurement of balance and mobility post-stroke: Consensus-based core recommendations from the third Stroke Recovery and Rehabilitation Roundtable. *Neurorehabil Neural Repair*. 2024;38(1):41-51. doi: 10.1177/15459683231209154. ISSN: 1545-9683. Impact factor - 4.2
41. Van Criekinge T, Heremans C, Burridge J, Deutsch JE, Hammerbeck U, Hollands K, Karthikbabu S, Mehrholz J, Moore JL, Salbach NM, Schröder J, Veerbeek JM, Weerdesteyn V, Borschmann K, Churilov L, Verheyden G, Kwakkel. Standardized measurement of balance and mobility post-stroke: Consensus-based core recommendations from the third Stroke Recovery and Rehabilitation Roundtable. *International Journal of Stroke*. 2024;19(2):158-168. DOI: 10.1177/17474930231205207. ISSN: 1747-4930. Impact factor - 6.7
42. Babu H, Sriraman S, Karthikbabu S, Sophia P, Kumar SNS. Factors Influencing Social and Community Participation of People with Spinal Cord Injury in Karnataka, India. *Indian Journal of Community Medicine* 2024;49(1): 52-55. https://doi.org/10.4103/ijcm.ijcm_421_22. ISSN. 0970-0218. Impact factor - 0.9
43. Tiwari S, Rao P, Karthikbabu S. Correlation between trunk control and balance in children with bilateral spastic cerebral palsy. *Perceptual and Motor Skills* 2024; 131 (2): 432-445. doi: 10.1177/00315125231226297. ISSN: 0031-5125. IF - 2.12.

44. Gnanaprakasam A, Solomon JM, Roy AK, Deshmukh AS, Karthikbabu S. Association between depression and adherence to upper limb exercises among community-dwelling stroke survivors: A cross-sectional study. *Health Science Reports* 2024. E70133. doi:10.1002/hsr2.70133. ISSN: 2398-8835. IF 2.212

* Corresponding author

Articles Published in Journals with less/No Cite Score

1. Nayak A, Vijayakumar K, Karthikbabu S. Does training on swiss ball improve trunk performance after stroke? A single blinded quasi experimental study design. *IJPOT* 2010;6(1):172-75.
2. Vijayakumar K, Karthikbabu S, Nayak A. Additional trunk training improves sitting balance following acute stroke: A randomized controlled trial. *Int J Cur Res Review* 2010;3(2):26-42.
3. Prem V, Chakravarthy RD, Maiya GA, Syed N, Karthikbabu S, Karvannan H. Physiotherapy assessment and management of obesity-clinical commentary. *IJCRR* 2011;12(3):194-200.
4. Nayak A, Karthikbabu S, Vijayakumar K, Ganesh S, Chakrapani M, Prem V. Sitting postural control is prerequisite for standing and stepping after stroke: A cross-sectional study. *POTJ* 2011;4(1):25-35.
5. Prem V, Chakravarthy RD, Karvannan H, Karthikbabu S, Syed N. Normative value for the unsupported upper limb exercise test in asymptomatic individuals: A cross-sectional study. *POTJ* 2012;5(1):35-38.
6. Karthikbabu S, Das B, Moodbidri D, Karnad S. Forward reach distance as a measure of dynamic stance postural control under six different sensory conditions in neurologically intact adults: Descriptive study. *POTJ* '12;5(1):27-33.
7. Aishwarya, Vijayakumar K, Karthikbabu S, BV Suresh, ZK Misri, M Chakrapani. Effects of pneumatic abdominal binder and calf compression Vs elastic compression bandaging on orthostatic hypotension during tilt table standing following acute stroke: A pilot randomized controlled trial. *Int J Neurol Neurosur* 2013;5:31-38.
8. Karvannan H, Prem V, Syed N, Karthikbabu S, Saroja. Prevalence of work-related musculoskeletal pain among Indian nurses: Field Survey. *IJCNE* 2014;15 (1):87-92.
9. Naval DS, Syed N, Karthikbabu S. Intra-rater and inter-rater reliability of measuring pelvic tilt using the palpation meter (PALMTM) device in stroke. *Int J Med Health Sci* 2016;5(4):276-280.
10. Toshniwal A, Joshua AM, Karthikbabu S. Modified Ashworth scale and alpha motor neuron excitability indicators of F-wave in spastic soleus muscle early after stroke. *Br J Med Med Res* 2016;13(5):1-7.

11. KarthikBabu S, Chaudhary S, Syed N, E Ratnavalli, M Chakrapani, Ganeshan S. Development and reliability of BalanceGrid and Walkmeter to measure limits of stability and spatial- temporal gait parameters in people post stroke. *Nig J Med Rehabil* 2015;18(2):1-15.
12. Patel B, Karthikbabu S, Syed N. Feasibility of multisensory training and its effects on balance control in children with cerebral palsy. *Indian J Cerebral Palsy* 2015;1(2):101-107.
13. Gnanaprakasama A, Karthikbabu S, Solomon JM. Unveiling the Potential: Task-Based Bilateral Arm Training in Stroke Neurorehabilitation. *J Ind Fed NR* 2024; 1 (1): 42-44.

Preprint Article

1. Talati D, Prem V, Rao PT, Karthikbabu S. Normative value of respiratory muscle strength in healthy children aged 8-12 years. (Published preprint 2020)

Reviewer for PubMed/SCOPUS/Web of Science Indexed Journals

1. Scientific Research Publications
2. Journal of Scientific Society
3. British Journal of Medicine and Medical Sciences
4. International Journal of Physical Therapy
5. Journal of Diagnostic and Clinical Research
6. Tohoku Journal of Experimental Medicine
7. Physiotherapy Research International
8. Neural Regeneration Research
9. Disability and Rehabilitation
10. Neuroscience
11. International Journal of Therapy and Rehabilitation
12. BMC Open
13. Clinical Rehabilitation
14. Topics in Stroke Rehabilitation
15. Brazilian Journal of Physical Therapy
16. Journal of Hand Therapy
17. Somatosensory Motor Research
18. Therapeutic Advances in Neurological Disorders
19. Journal of Medical Engineering and Technology
20. Journal of Bodywork & Movement Therapies
21. Journal of Neurosciences in Rural Practice
22. BMC Sports Science, Medicine and Rehabilitation

23. Journal of International Medical Research
24. Frontiers in Rehabilitation Sciences
25. Frontiers in Neurology
26. Frontiers in Human Neurosciences
27. Journal of Aging Research
28. World Journal of Pediatrics
29. Malaysian Journal of Medical Sciences
30. PLOS ONE
31. Journal of Pediatric Rehabilitation Research
32. Bio Medical Research International
33. F1000
34. Expert Review of Neurotherapeutics
35. Trials
36. Motor Control
37. Neurorehabilitation and Neural Repair

National Conference Paper Presentation (N = 23)

1. Karthikbabu S, Khullar S. **Best paper award** for 'Functional training effects on PEDI, balance and strength in diplegic cerebral palsy'. 3rd RECOUP International Conference on Cerebral Palsy, 2014, Bangalore.
2. Karthikbabu S, Chakrapani M, Ellajosyla R, Ganesan S. Comparison of Swiss ball and therapeutic mat exercises on trunk function in chronic stroke: RCT. ISACON 2014, Thiruvananthapuram, Kerala. **Top 5 podium presentations**
3. Karthikbabu S, Patel B. Effects of multi-sensory training on BESTest in children with cerebral palsy. IACP CON 2014, Hyderabad.
4. Darak V, Karthikbabu S. Airway clearance using acapella in Guillain - Barre syndrome: A case report. National ICU Physiotherapy Conference 2015, Manipal University, Bangalore.
5. Dubey L, Karthikbabu S. **First prize** for poster titled 'Motor function and quality of life in patients with stroke: A case series'. Neuro Update 2016, Manipal University, Manipal.
6. Mahesh A, Karthikbabu S, Mohan D. **Second prize** for poster titled 'Effect of task-related spinal mobility training on postural control and pulmonary function in Parkinson's disease'. IFNR conference 2016, NIMHANS, Bangalore.
7. Dubey L, Karthikbabu S, Mohan D. Influence of pelvic control training on lower extremity motor function and functional mobility in patients with stroke - A case series. IFNR conference 2016, NIMHANS, Bangalore.

8. Darak V, Karthikbabu S, Mohan D. Association of hip muscle function with weight symmetry, pelvic tilt in patients post stroke. IFNR conference 2016, NIMHANS, Bangalore.
9. Agrawal K, Mohan D, Karthikbabu S. Motor skills in children with profound hearing impairment aged 6 -10 years' pattern. IACP Conference 2016, Bangalore.
10. Murthy R, Mohan D, Karthikbabu S. Factors influencing participation in children with cerebral palsy: A narrative review. IACP Conference 2016, Bangalore.
11. Ravi S, Mohan D, Karthikbabu S. Profile of selective voluntary motor control deficits in children with cerebral palsy with crouch gait pattern. IACP Conference 2016, Bangalore.
12. Reethu E, Karthikbabu S, Syed N. Effect of motor imagery of truncal exercises on trunk function and balance in early stroke: RCT. Italy Conference 2016. Article abstract published in Int J Med Health Sci.
13. Jayasree P, Karthikbabu S. **Best paper award** for the work titled 'Physical exercise and physical activity profile in chronic vestibular hypofunction: A case report' in BPN Conference 2017, Bangalore.
14. Jayasree P, Karthikbabu S. **Best paper award** for 'Activity integrated relearning for chronic cervical dystonia and motor recovery in a young adult with subcortical bleed' in MIPCON 2017.
15. Talati D, Prem V, Karthikbabu S, Rao P. Maximum static respiratory pressure in healthy school going children in Bangalore, India. Amar Seva Sangam Early Intervention International Conference 2020, Chennai.
16. Ganachari P, Karthikbabu S, Rao P. Traditional Indian games and its implications for developing locomotor skills: A review. Amar Seva Sangam Early Intervention International Conference 2020, Chennai.
17. Kalwankar M, Prem V, Karthikbabu S, Rao P. Normative value of 20 meter shuttle run test in healthy school going children aged 8-12 years. Amar Seva Sangam Early Intervention International Conference 2020, Chennai.
18. Prabhu SJ, Karthikbabu S, Rao P. Screening of preterm and term infants for motor behavioral disability. Amar Seva Sangam Early Intervention International Conference 2020, Chennai.
19. Alexander G, Solomon JM, Karthikbabu S. Relationship between exercise adherence of upper extremity and depression in community dwelling stroke survivors: A cross sectional study. Indian Federation of Neurorehabilitation 2023.
20. Alexander G, Solomon JM, Karthikbabu S. Task-Based Bilateral Arm Training in Stroke Rehabilitation. IFNRCON 2024, JIPMER.
21. Saranya R, Karthikbabu S. Revelation of balance dysfunction among adult epileptic population. A narrative review. IFNRCON 2024, JIPMER.

22. Santhanalakshmi A, Karthikbabu S. Influence of ataxia and daily activities in Indian stroke survivors. A narrative review. IFNRCON 2024, JIPMER.
23. Suresh Kumar, Karthikbabu S. Relationship between trunk control, motor function, balance and daily activities among Indian stroke survivors. IFNRCON 2024, JIPMER.

International Conference Paper Presentation (N = 15)

1. Vijayakumar M, Aishwarya, Karthikbabu S. Effects of pneumatic abdominal binder and calf compression Vs elastic compression bandaging on orthostatic hypotension in patients with acute stroke: A RCT. WCNR '12, Melbourne, Australia.
2. Karthikbabu S, Rao BK, Chakrapani M. Does trunk training improve trunk control, balance, and gait in chronic stroke?. Singapore Rehabilitation Conference 2013, Singapore.
3. Karthikbabu S, Chakrapani M, Ganesan S, Ellajosyla R. Effectiveness of trunk regimes on trunk control, balance and gait in chronic stroke: RCT. AOCPRC 2014, Bangkok, Thailand.
4. Sneha BS, Karthikbabu S, Nafeez S, Prashanth LK. Effects of trunk proprioceptive neuromuscular fascilitation on dynamic balance, mobility and quality of life in Parkinson's disease. XXI World Congress on Parkinsonism & Related Disorders, 2015, Milan, Italy. **Travel grant to Europe.**
5. Manoj KM, Karthikbabu S. Kinesio-taping of shoulder complex influences sensory motor recovery of upper limb in stroke. World Stroke Congress 2016, Hyderabad. **Article abstract published in International Journal of Stroke.**
6. Karthikbabu S, Chakrapani M, Ganesan S, Ellajosyla R. Randomized trial of trunk training on trunk control and community participation in chronic stroke. WFNR 2018.*
7. Dubey L, Karthikbabu S, Mohan D. Influences of proximal hip muscles retraining on movement control of lower extremity and walking ability in ambulatory stroke individuals. WFNR 2018.*
8. Darak V, Karthikbabu S, Mohan D. Association of hip muscular strength with weight bearing asymmetry, pelvic tilt and gait speed in patients post stroke. WFNR 2018.*
9. Jayasree P, Karthikbabu S. Lower extremity surface EMG activity during functional mobility in a 22 year old lady with post-partum cerebral venous thrombosis - A case report. WCNR 2018.*
10. Gangai, Mohan D, Karthikbabu S. Correlation between DQ5 and DIS in children with CP. WCNR 2018.*

11. Manasa, Mohan D, Karthikbabu S. Holistic benefits of Indian semi-classical dance therapy in institutional children with Down syndrome. WCNR 2018.*
12. Koli J, Karthikbabu S, Mohan D. Indian semi-classical Kathak and Bharatnatyam movements for balance confidence and quality of life in Parkinson's disease: Pilot RCT. World Congress for Neuro Rehabilitation (WCNR) 2018, Mumbai.*
(*Abstract published in Neurorehabil Neural Repair)
13. Raghu A, Karthikbabu S. Effects of bimanual hand training with dynamic dorsal splint on hand function in stroke. RCT. Upper Limb Stroke Rehabilitation Summer School 2018, KU Leuven, Belgium.
14. Alexander G, Karthikbabu S. Bilateral hand arm functional training on upper limb recovery post stroke - A case series. Virtual World Stroke Congress 2020.
15. Manure S, Karthikbabu S. Benefits of circuit training on wheelchair skills in people with paraplegia. World Physiotherapy Congress online 2021.

Professional Contribution - Resource Person/ Guest Speaker

1. Lecture on "Trunk Impairment and Rehabilitation in Stroke" at MCOAHS, Manipal University, March 30-31, 2007.
2. Judge for paper presentation in PHYSIOCON[®] EAST-2008 conference at Bhubaneswar, Orissa, February 9, 2008.
3. Lectures on Neural Plasticity & MRP in PHYSIOCON[®] EAST-2008, Bhubaneswar, Orissa February 8-9, 2008.
4. Lecture on "Electroneuromyography" at Department of Physiotherapy, KMC, Mangalore, Nov 29-30, 2008.
5. Workshop on "Vestibular Rehabilitation" in JSSCP, Mysore, 2013.
6. Workshop on "NDT approach in neurological conditions" at NDMVP college of Physiotherapy, Nashik, Maharashtra, March 24-26, 2014.
7. Lecture on "Recent Trends in Stroke Rehabilitation" at RVS college of Physiotherapy, Coimbatore, Dec 5-6, 2014.
8. Workshop on "Trunk Control Influences Balance and Mobility Post Stroke; NDT/Bobath perspective" at Srinivas College of Physiotherapy and Research Center, Mangalore, March 15, 2015.
9. Workshop on "Facilitation of Functional Movements in Adult Hemiplegia: Bobath/NDT Concepts" at Department of Physiotherapy, SOAHS, Manipal University, Manipal Hospital, Bangalore, May 24, 2015 and June 14, 2015.
10. **Best Lecturer award**, Physiosummit 2015, IAP, Vellore, September 6, 2015.
11. Workshop on 'Sensory Integration for Developmental Disorders' at Department of Physiotherapy, SOAHS, Bangalore, September 19-20, 2015.

12. Lecture on "Stroke Management and Rehabilitation" at PSG & IMSJR Hospital, October 29, 2015.
13. Lecture on "Coma Stimulation" in National conference on physiotherapy management in intensive care unit at Department of Physiotherapy, SOAHS, Bangalore, December 9-10, 2015.
14. Neuro symposium on 'Assessment and Treatment of Trunk after Stroke' in the Joint Conference of IFNR and IAN, NIMHANS, April 1-3, 2016.
15. Lecture on 'Clinical Strategies in Spasticity Management' in Physiogala-16, Nandha College of Physiotherapy, May 7, 2016.
16. Workshop on 'Clinical Rehabilitation - Post Stroke' in PSG IMS & R Hospital, Coimbatore, May 11-12, 2016.
17. Organized NeuroTech Symposium in SOAHS, Manipal University, Manipal Hospital, Bangalore, June 19, 2016.
18. Lecture on 'Setting Rehab Goals in Spinal Cord Injury: Clinical Guidelines to Neurotechnology' in BPN Physiotherapy Conference, July 31, 2016.
19. Lecture on 'Recent Trends in NeuroRehabilitation' in Flair 16: Sri Venkateshwaraa College of Physiotherapy, Puducherry, September 29-30, 2016.
20. Workshop on 'Physiotherapy management in SCI' in Chitkara University, Chandigarh, November 3-4, 2016.
21. Workshop on 'Physiotherapy management in stroke' in Kamalam Viswanathan College of Physiotherapy, Trichy, April 7-8, 2017.
22. Lecture on "Potential for change: Children with CP" at Physiotherapy, SOAHS, Bangalore, May 7-8, 2017.
23. 'Vestibular Rehabilitation' training in SOAHS, Bangalore, May 21, 2017.
24. Workshop on 'PNF and its Clinical Implication' in NITTE University, Mangalore, September 23-24, 2017.
25. Lecture on 'Neuro Approaches: Overview and Critique' in Chitkara University, Chandigarh, October 28, 2017.
26. Judge for paper presentations in Synapse-17 physiotherapy conference, Chandigarh, October 27-28, 2017.
27. Workshop on 'Motor Relearning Program' in Chitkara University, Chandigarh, October 29, 2017.
28. Stroke rehabilitation symposium in Manipal International Conference, December 6-9, 2017.
29. Lecture on 'Constrain Induced Movement Therapy' at CME on 'Neural plasticity after Stroke: From restoration to rehabilitation' in KMC, Mangalore, Sep 1, 2018
30. Invited workshop on 'Core business after stroke' in Saxion University, Netherlands, September 25, 2018.

31. Workshop on 'Upper limb stroke rehabilitation' in Chitkara University, Chandigarh, October 12, 2018.
32. Workshop on 'An Overview of PNF Approach in Clinical Practice', SRIPMS, February 16-17, March 2-3, 2019.
33. Lecture on 'Task training of upper limb using dorsal splint in stroke' in 'Upper limb motor recovery in stroke' at CCSRR, Manipal, March 15, 2019.
34. Lecture on 'Physiotherapy training in elderly with stroke' in 'Comprehensive management of stroke in the elderly' at CMC, Vellore, June 29, 2019.
35. Vestibular rehab workshop in Chitkara University, Chandigarh, August 5, '19.
36. Symposium on 'Benign Paroximal Positional Vertigo' in MGM-PHYSIOCON, Aurangabad, September 21-22, 2019.
37. Lecture on 'Rehabilitation of BPPV' in PHYSIOCON-19, Sri Ramakrishna Institute of Para Medical Sciences, Coimbatore, October 12, 2019.
38. Lecture on "Prechtl's General Movement Assessment of Infants" in Cerebral Palsy Symposium in St. John's National Academy of Health Sciences, Bangalore, November 8-9, 2019.
39. Panel discussion on 'Static or dynamic AFO in neuro conditions'. BPN bimonthly meeting, Bangalore, February 29, 2020.
40. Webinar on "trunk after stroke". PT Teacher's consortium. April 21, 2020.
41. Webinar on "Trunk after stroke". 6th E-Neuraxis 2020, September 5-6, 2020.
42. Lecture on "Circuit Training for SCI" in National webinar series in spinal cord injury rehabilitation and research. Centre for SCI rehabilitation and research. The Association of People with Disability. September 19, 2020.
43. **IFNR 2021 Young Investigator Award** - Ms. Shreya Donakar, Mentor for the project titled "Telerehabilitation using facial expressions and neuromuscular exercises on hypomimia and social communication in Parkinson's disease".
44. Neurorehab webinar on "Setting Functional Rehabilitation Goal Based on Neurological Level of Spinal Cord Injury", College of Physiotherapy, Srinivas University, Mangalore, April 30, 2021.
45. Lecture on "Therapeutic assessment and rehabilitation. Novel Perspective. College of Health Sciences. University of Sharjah. August 31, 2022.
46. Lecture on "Integrated Neurological Approaches in Stroke" in Sree Abirami College of Physiotherapy. January 11, 2023.
47. Hands-on approach - Enhancing mobility after stroke. Physio One. Comprehensive NeuroRehabilitation for inpatients. Salem. April 16, 2023.
48. Webinar on "Neuro-Therapeutics in Stroke Rehabilitation". World Stroke Day 2023-Recent Advances in Stroke Rehabilitation, National Institute for Empowerment of Persons with Multiple Disabilities. 31st Coctober 2023.

49. Invited talk on "Core Business Post Stroke" in "Connect to Unlock the Potential of Physiotherapy - Mangalore Physiocon-2023" on 8th & 9th September 2023.
50. Invited talk on "Functional Outcome in Spinal Cord Lesions - Physiotherapy Perspective" in International Physiotherapy Colloquium 2023 on 30th November 2023 at Sri Ramachandra Faculty of Physiotherapy, Chennai.
51. Post Colloquium Workshop on "Proprioceptive Neuromuscular Facilitation" on 1st December 2023 at Sri Ramachandra Faculty of Physiotherapy, Chennai.
52. Invited talk on "Physiotherapy in Spinal Cord Injury", at 1st National Physiotherapy PG Convention - RVPGCON 2024 on 17th February 2024.
53. Post-convention workshop on "Trunk recovery after Stroke", at RVPGCON 2024 on 18th February 2024.
54. Focused symposium on "Neurotechnology in Stroke Rehabilitation" at IFNR-24, JIPMER, Pondicherry, April 12-14, 2024.
55. **IFNR 2024 - Young Investigator Award** - Mr Alexander, Mentor for the PhD project on Bimanual Hand Training after Stroke.
56. Workshop on "Nuances of research for Physiotherapy Professionals" at RVS College of Physiotherapy, Coimbatore, April 24, 2024.
57. Challenges and strategies for gait and balance restoration at NeurotechCon 2024, NIMHANS, May 18, 2024.
58. **Best Researcher Award 2024** conferred by TNMGRMU, September 26, 2024
59. **Best Academic PG Institution 2024** conferred by TNMGRMU, Sep 26, 2024
60. Webinar on "Stroke Rehabilitation - Present" - World Stroke Day, Neurophysiotherapy India, Oct 29, 2024

Continuing Professional Development

1. In-service Physiotherapy training for Leprosy: Schieffelin Leprosy Research and Training Centre. Karigiri, Tamil Nadu, May 31- June 5, 1999.
2. Orientation course in Leprosy Physiotherapy: The Leprosy Mission, Training School; Naini, Allahabad, UttarPradesh, 9th-14th February 2004.
3. Neurodevelopmental Therapy: Faculty of Oakland Children Hospital, USA; MAHE, Manipal, March 17- 27, 2004.
4. NDT course: The Spastic Society of Tamilnadu; August 23-17, 2004.
5. Neuro-pediatric Physiotherapy assessment and training: Sneh Centre for Pediatric Rehab; Mumbai, Jan 3-10, 2005.
6. Training on spinal cord injury: International workshop: Physiotherapy management of spinal injury. Feb 18-19, '11, March 6, '06, Lisa Harvey, International Network of SCI Physiotherapists; ISSICON '06; Wheelchair research and clinical

practice featuring wheelchair skills training. March 7, '16, Rory Cooper, ISSICON '06, New Delhi.

7. Enhancing trunk stability for children with movement dysfunction - Based on neuro developmental approach. Timmie Wallace, NDTA, September 17-18, 2007.

8. Physiotherapy for critically ill adult patients, Jennifer Paratz (University of Queensland, Australia), May 10-12, 2008.

9. Constrained induced movement therapy & locomotion training. Stacy Fritz (University of South Carolina), July 13-14, 2009.

10. Pedagogic and personal effectiveness for Physiotherapy teachers. Manipal, April 11-13, 2011.

11. Advances in motor control. Mindy Levin, MAHE, January 24, 2012.

12. Gait course. BIMRA, December 14-15, 2013.

13. Treatment strategies for Dyskinetic & Ataxic CP, Hyderabad, Dec 27-28, '14.

14. Appropriate paper-based technology. MAHE, Manipal, January 6-8, 2015.

15. Webinar series- Research 2020: Publishing Ethics in Biomedicine & Life Science Research of webinar series on "All about Scientific Publishing - Trends, Nuances, Tools, Ethics etc!" Springer Nature & DeLCON, September 16. Nuances & Tools of Scientific Publishing and Publishing Ethics & Misconducts. Springer Nature & Manipal Health Sciences Department, MAHE, August 31. Structuring your manuscript to impress journal editors and selecting a journal and preparing a great submission package. Editage, June 19.

16. Essentials of Medical Writing - 2020: Indian Association of Medical Journal Editors & Springer Nature. Ethics and Etcetera. October 9. Placing the Results in Perspective. September 25. Presenting the Findings. September 11. The Middle (Methods). August 28, 2020. The Beginning. August 21.

17. MDS Virtual Congress 2021, September 17-22, 2021.

18. NPTEL 12-week course on "Neuroscience of Human Movements", 2023-24.
