

Narasimman Swaminathan

2012 Fellowship of Foundation for Advancement of International Medical Education and Research (FAIMER)

PSG Regional Institute, Coimbatore

2003 Master Degree in Physiotherapy (Cardio Pulmonary)

Hamdard University, New Delhi, India

1999 Bachelors in Physiotherapy

The Tamil Nadu Dr. MGR Medical University, Chennai, India

Pursuing PhD in Digital teaching and Health Professional Education currently.

Awards and Honors

2019 *Adjunct Research Associate, University of South Australia*

2019 *Visiting Professor, Bournemouth University, United Kingdom*

2017 *Research Publication award, Laureate Network*

2017 *Internationalization recognition – Mayor of Zgorzelec, Poland*

2016 *Nominee, National Educator award, Malaysia Private Education*

2015 *STARS Award, INTI International University, Nilai, Malaysia*

(Student Centric, Trust worthy, Accountable, Respectable and Spirited)

2013 *Best Academician Saveetha Award, Saveetha University Chennai*

2013-2016 *Adjunct Senior Lecturer, University of South Australia.*

2012 Developing Country stipend to attend 20th Cochrane Colloquium, Auckland, New Zealand

2012 *Golden Badge, Polish Society of Physiotherapists*

2010 CP Nair Oration 48th Annual Conference of Indian Association Physiotherapists

1999 *Best outgoing student, Angammal Educational Trust*

Editorial Board member

- *Polish society of Physiotherapy Journal*
- *Indian Journal of Physiotherapy and Occupational Therapy*
- *Physiotherapy and Occupational therapy journal*
- *Muller Journal of Medical Sciences and Research*
- *Othopedica Traumatologica*

Reviewer

- *Cochrane data base of Systematic Reviews*
- International Journal of Chronic Obstructive Pulmonary Disease
- Journal of Sports Medicine
- International Journal of Health and Allied sciences
- World Confederation of Physiotherapy Congress (2011,2015 &2017)

Professional Memberships

- ✓ Life Member Indian Association of Physiotherapists
- ✓ Member Society of Indian Physiotherapists
- ✓ Guidelines International Network - Member
- ✓ European Association of Cardio Vascular Prevention & Rehabilitation
- ✓ Member International Society of Physiotherapy Journal Editors
- ✓ International Society of Spinal Cord Injury Physiotherapists

Subcommittee member of Spinal Cord Injury E – learning project of International Spinal Cord injury society.

Research Grants

1. Effect of a novel multipronged approach in introducing physical activities among school children. Gate Grants Sri Ramachandra Institute of Higher Education and Research 2018 85,000 INR (Narasimman Swaminathan, Elaiyaraja, Latha Ravichandran, R. Sivakumar)
2. Advanced MOOC (LMOOC) to improve learning experience and teaching efficiency among Laureate network, Laureate Digital Teaching & Learning (DTL) Research Grant 11,500 USD (Narasimman Swaminathan and collaborators from St Augustine and Walden University USA)
3. Development, Validation and evaluation of Pro – CP to measure clinical competency of Physiotherapy a mixed method and multi-centered study (Yusoff BSM, Maria Justin,

- Narasimman Swaminathan, Devinder K). University Sains Malaysia Research Grant. (100000 MYR)
4. Improving learning outcomes through video conference. INTI International University Seed grant (5000 MYR)
 5. Physical activity and physical fitness of urban School Children. (Punitha Kumar, Narasimman Swaminathan, Balaraman T). INTI International University Grant (9000 MYR)
 6. Prevalence of Metabolic Syndrome among university employers. (Praveen JS, Narasimman Swaminathan). INTI International Seed University Grant (8000 MYR)
 7. Physical activity level and the risk factors for lifestyle disorders among Postgraduate Medical students – (2013) Funded by Father Muller Research center (75000 INR)
 8. Establishing tele rehabilitation (2013) a feasibility study. Funded by Father Muller Research center (100000 INR)
 9. Effects of home-based Resistive band exercise in subjects with shoulder disorders- Industry sponsored research (Sanctband Malaysia and Father Muller research center) (50000 INR)
 10. Physical activity level of urban and rural school children. (2011) Funded by Father Muller Research Centre (100000 INR).
 11. A study to evaluate the effect of exercises in reducing the risk factors of coronary artery diseases, in patients with Metabolic Syndrome. (2011) (In collaboration with Bucks New University, UK).
 12. OSCE/OSPE as an assessment tool in physiotherapy education (2011) Supported through a grant by Rajiv Gandhi University of Health Sciences, Bangalore, India. (75,000 INR)
 13. Uniform Entry-level physiotherapy curriculum based on the community need (2010) (99,000 INR – Supported through grant by Rajiv Gandhi University of Health Sciences, Bangalore, India.

Postgraduate Supervision

Supervised 16 Post graduate studies since 2006.

PhD Thesis evaluator – Two universities

Peer Reviewed Publications

Researcher ID D-3725-2012

Scopus ID 36678180300

Vidwan – ID 100912

<https://vidwan.inflibnet.ac.in//profile/100912/MTAwOTEy>

1. Jacob P, Surendran PJ, Alief EM, Pappasavvas T, Praveen R, **Swaminathan N**, Milligan F. Early mobilisation of patients receiving vasoconstrictive drugs in critical care units- a systematic review. **Journal of Acute Care Physical Therapy**, 2020
2. Swaminathan, N., Ravichandran, L., Ramachandran, S., & Milanese, S. (2020). Blended learning and health professional education: Protocol for a mixed-method systematic review. *Journal of education and health promotion*, 9, 46. https://doi.org/10.4103/jehp.jehp_489_19
3. Yean, L., Balaraman, T., & Swaminathan, N. (2020). Physiotherapy practice of early mobilization in intensive care units of selected west Malaysian hospitals: a cross-sectional survey. *Physiotherapy Quarterly*, 28(1), 16-23. <https://doi.org/10.5114/pq.2020.89812>
4. **Swaminathan N**, Praveen R, Surendran PJ. The role of physiotherapy in intensive care units: a critical review. *Physiother Quart.* 2019;27(4):1–5
5. Anbu V, **Swaminathan N**. Content analysis of mobile health applications on pregnancy yoga. *Port Harcourt Med J* 2019; 13:63-6
6. Ravichandran L, Sivaprakasam E, Balaji S, **Swaminathan N**. Effectiveness of the 1-Minute Preceptor on Feedback to Pediatric Residents in a Busy Ambulatory Setting. *J Grad Med Educ.* 2019 Aug;11(4 Suppl):204-206. doi: 10.4300/JGME-D-19-00440
7. M.Kumarasamy, **N. Swaminathan**, M. Kiljański, Z. Śliwiński – Compliance to home exercise program (HEP) among subjects under physiotherapy care: Report of a qualitative study. *Fizjoterapia Polska* 2019; 19(1); 70-74
8. **Swaminathan N**, Grimmer KA, Milanese S. Next-generation Solutions for Indian Health Care: Strengthening the Impact of Allied Health. *The Internet Journal of Allied Health Sciences and Practice.* 2019 Mar 26;17(2), Article 12.

9. **Swaminathan N.** Understanding Bibliometrics (Commentary) Sri Ramachandra Journal of Medicine, Jan-Dec 2017
10. Hannah C Yahui, **Swaminathan N.** Knowledge, attitudes, and barriers towards evidence-based practice among physiotherapists in Malaysia. Hong Kong Journal of Physiotherapy. 2017; 37, 10- 18
11. Balaraman T, **Swaminathan N**, Slivinski Z, Kilijanski M. Blended Learning in Physiotherapy Education: Magic Mix That Improves Quality of Student **Learning**. Physiotherapy Journal of Poland. 2016; 4, 24-28
12. Radhakrishnan J, **Swaminathan N**, Pereira N, Henderson K, Brodie AD. Relationship between body adiposity and arterial stiffness in young Indian adults. J Obes Metab Res 2016; 3:3-10.
13. Gupte P, **Swaminathan N.** Nurse's perceptions of physiotherapists in critical care team: Report of a qualitative study. Indian J Crit Care Med 2016; 20:141-5.
14. R.P. Ramamoorthy R.P, **Swaminathan N**, J. Dsa, V. Joan. A survey on the use of standardized Outcome measures among Physiotherapists in India. Physiotherapy 2015; 101, Supplement 1 eS633–eS832
15. **Swaminathan N**, Niranjana G, Joan V. Entry Level Physiotherapy Curriculum in Indian Subcontinent—an Analysis and Feed Forward. Physiotherapy 2015; 101, Supplement 1 eS633–eS832
16. Smriti J. S., **Swaminathan N**, D'Silva C. Acute Effect of Active Cycle Breathing Techniques (ACBT) and Autogenic Drainage for Airway Clearance in Bronchiectasis: Randomized Crossover Trial. Physiotherapy and Occupational Therapy Journal 2015; 17; 8 (1): 17-21.
17. Radhakrishnan J, **Swaminathan N**, Pereira N, Henderson K, Brodie AD. "Effects of an IT-supported home-based exercise programme on metabolic syndrome in India". J Telemed Telecare. 2014 May 14;20 (5):250-258.
18. **Swaminathan N**, Cyriac AM, Lobo EM. Rasterstereography a reliable tool in scoliosis measurement – a critical review of literature. *Scoliosis* 2014, **9** (Supp 05 doi:10.1186/1748-7161-9-S1-O5)
19. Prabhu RK, **Swaminathan N**, Harvey LA. Passive movements for the treatment and prevention of contractures. Cochrane Database Syst Rev. 2013 Dec 28;12:CD009331

20. Karkera A, **Swaminathan N**, Pais SM, Vishal K, Rai BS. Physical fitness and activity levels among urban schoolchildren and their rural counterparts. *Indian J Pediatr.* 2014;81(4):356-61.
21. Kumar S, **Swaminathan N**. Evidence-Based Practice and Allied Health Professions: A Modern Take on Ancient India. *The Internet Journal of Allied Health Sciences and Practice.* 2014 Apr 01;12(2), Article 3
22. **Swaminathan N**. Publishing in an indexed journal. Editorial. *Muller Journal of Medical Sciences and Research* 2013; 4; 2; 51
23. Johnsey T, **Swaminathan N**, Rebello S, Vishal K. Awareness of physiotherapy among the Anganwadi workers in Dakshina Kannada: A survey. *Muller Journal of Medical Sciences and Research* 2013; 4; 2; 57-63
24. Benjamin V, Rengaramanujam K, **Swaminathan N**, Kavitha V, Melisa R. Knowledge and Perception about Physiotherapy among Final Year Students of Various Health Care Professions- a Survey. *International Journal of Therapy and rehabilitation.* 2012; 19: 613 - 617
25. Bezbaruah P, **Swaminathan N**, D'silva C, Kidyoor S. "Effect of Graded Early Mobilization versus Routine Physiotherapy on the Length of Intensive Care Unit Stay on Mechanically Ventilated Patients- A Randomized Controlled Study". *International Journal of Health and allied sciences.* 2012; 3:172-177
26. Kavitha V, **Swaminathan N**, Benjamin V, Pais S Pattern of Orthopedicians referral to physiotherapy in a tertiary care hospital. *Indian Journal of Physiotherapy and Occupational therapy* 2011; 5 (3): 79 – 82
27. Ray A, Ray S, George AT, **Swaminathan N**. Interventions for prevention and treatment of vulvovaginal candidiasis in women with HIV infection *Cochrane Database of systematic Reviews* 2011, issue 10;(8):CD008739
28. Swagata De, **Swaminathan N**. Short term effect of body positions on dynamic lung compliance in mechanically ventilated patients with lung pathology- a randomized cross over study *Indian Journal of Physiotherapy and Occupational Therapy.* 2011: 5 (3): 83 – 88.

29. **Swaminathan N**. How well do pain scales correlate with each other and with the Oswestry Disability Questionnaire? (Invited Commentary) *International Journal of Therapy and Rehabilitation*, 2011;18: 2
30. Das KA, **Swaminathan N**, Praveen R, D'Souza V. "Effect of Routine Physiotherapy Vs early mobilization in preventing postoperative pulmonary complications in subjects with specific risk factors - a randomized controlled Study". *Journal of Physiotherapy and occupational therapy*. 2010; 3(3): 119 -130.
31. Vishal K, **Swaminathan N**, Benjamin V, Prabu RG. "Use of Cryotherapy in sports injury rehabilitation – report of a survey". *Journal of Physiotherapy and Occupational therapy*. 2010: 3 (1):76-82.
32. **Swaminathan N**, Praveen J.S, Praveen R. Physiotherapy following cardiac surgery: A national survey. *Journal of Physiotherapy and occupational therapy* 2009: 2(4); 183 – 192.
33. Prabu RG, D'Souza V, **Swaminathan N** Interpretation of Nerve Conduction Tests – implication to therapists. *The Physiotherapy Post*, 2010;2: 3
34. **Swaminathan N**, Aggarwal R, Praveen R. Effect of various positions on pulmonary functions in different age groups of normal individuals. *Journal of Physiotherapy and Occupational therapy*. 2009: 2(4); 173 - 181
35. Das BS, **Swaminathan N**. ACL injury rehabilitation – Over view of three reviews. *Indian Journal of Physiotherapy and Occupational Therapy*. 2009: 3; 80-88
36. Praveen R, **Swaminathan N**, Praveen JS. Inspiratory Muscle Training is Effective in Improving Respiratory Muscle Functions in Patients who have Undergone Coronary Artery Bypass Graft. *Poland Journal of Physiotherapy* 2009; 4(4); 9, 285-292
37. Rebello S, **Swaminathan N**, D'Souza V. A comparison of Chedoke arm and hand activity inventory and mot or assessment scale in the assessment of Upper limb function following stroke. *The Physiotherapy Post* 2009; 1:2.
38. D' Souza V, **Swaminathan N**, Rebello S. A study to evaluate the correlation of trunk performance with functional outcome in stroke patients. *Journal of Physiotherapy & Occupational Therapy* 2009; 2(2): 83-87
39. **Swaminathan N**, Praveen JS, Vishal V, Praveen R T. Effect of Inspiratory Muscle

Training in Early rehabilitation of Gullian Barre Syndrome: Case reports. The Physiotherapy Post 2009 1: 1; 13-15

40. George JK, Vishal K, **Swaminathan N**. Physiotherapy assessment findings may not correlate with MRI findings in neurologically impaired patient – A case report. Indian Journal of Physiotherapy and Occupational therapy.2009 3(2);31-33.
41. Kavitha Vishal K, **Swaminathan N**, Nagarajan M. A proposed protocol for the physiotherapy management of osteoarthritis. Indian Journal of Physiotherapy and occupational therapy. 2009; 3(1); 33-37.
42. **Swaminathan N**, Praveen JS, Subramanian. Efficacy of Chest physiotherapy in reversing Atelectasis following Pediatric Heart surgery - A case report. Indian journal of Physiotherapy. 2008; 4; 21-23
43. **Swaminathan N**, Shenoy KV, Natraj R, Andrade AM. Efficacy of Chest Physiotherapy in post extubation atelectasis – a case study. Indian Journal of Physiotherapy and Occupational Therapy. 2008; 2: 3(28 – 29)
44. **Swaminathan N**. Airway clearance techniques in Pediatrics – A review Karnataka J of Pediatrics 2007; 2. 12 - 16

Conference Presentations (Since 2010)

1. *January 2020: 5th Annual conference National Conference. Moderator. Panel discussion “Educating the Millennial Physiotherapists”. Society of Indian Physiotherapists, Mumbai.*
2. *November 2019: National Health Professional Education Conference, Moderator. Panel discussion on Competency Based Allied Health Professionals Education. KLEHER, Belgaum.*
3. *June 2019: Bournemouth University, Students conference, UK
Key note address: Innovative methods to promote physical activities*
4. *February 2019: SIPCON-2019, Society of Indian Physiotherapists National Conference
Symposium speaker: Promoting physical activity in School*
5. *December 2018: Eyan 2018, International Physiotherapy Conference, organized by SRM Institute of Physiotherapy, Chennai, India*

Keynote speaker: Professional autonomy and Evidence Informed clinical practice

6. *September 2018: World Physiotherapy Day Symposium, Organized by Indian Physiotherapy Forum Qatar, Doha, Qatar.*

Plenary Speaker: Role of Physiotherapy in Critical Care

7. *March 2018: 24th Edition of International Disabled People's Day – Zgorzelec, Poland*

Invited talk: Role of physiotherapy in Vascular Disease

8. *November 2017: International Center for Allied Health Evidence International Conference, University of South Australia, Adelaide.*

Plenary speaker: Teaching Evidence Based Practice for Entry Level Graduates - Strategies, Challenges and Impact

9. *September 2017: Conjoint 6th National Cardiac Rehabilitation conference and 9th Malaysian Rehabilitation Medicine conference, Kuching, Malaysia*

Symposium speaker: Exercise prescription in Cardiac Rehabilitation- and Evidence based approach

10. *October 2016: Asian Confederation of Physiotherapy Conference, Kuala Lumpur, Malaysia.*

Symposium session: Critical care physiotherapy – a paradigm shift

11. *March 2016: 23rd edition International Disabled People's Day – Zgorzelec, Poland.*

Invited lecture: Technology and physiotherapy education (Dean's forum)

Invited lecture: Critical care physiotherapy

12. *May 2015: World Confederation of Physiotherapy Congress, Singapore*

How to do seminar: Making the most of EBP resources - What's out there to make life easier?

13. *March 2014: Malaysian Physiotherapy Association's National Conference, Kuala Lumpur, Malaysia.*

Invited lecture: Evidence informed Cardio- Pulmonary Physiotherapy.

14. *March 2014: 22nd edition International Disabled People's Day – Zgorzelec, Poland*

Invited lecture: Physiotherapy profession in India.

15. *February 2014: National Physiotherapy Colloquium, Hyderabad.*

Invited lecture: Role of physiotherapy in critical care- a practical approach.

16. September 2013: 6th World Confederation of Physiotherapy – Asia Western Pacific Conference Taichung, Taiwan.
Symposium speaker: How less resourced countries of Asia western pacific region of WCPT use PEDro?
17. August 2013: Postgraduate physiotherapy conference, JSS University, Mysore, India.
Keynote address: Physiotherapy Research in India.
18. March 2013: National symposium on Research Methodology for physiotherapists Punjabi university, Patiala. India.
Invited lecture: Research in Physiotherapy – global scenario and the lessons to learn.
19. February 2013: 51st Indian Association of physiotherapists National Conference, Goa, India.
Invited lecture: Critical care physiotherapy – Expanding the Horizon
20. January 2013: National Physiotherapy conference, AIIMS, New Delhi, India
Invited lecture: Cardio-pulmonary physiotherapy, expanding the scope.
21. October 2012: 20th Cochrane colloquium, Auckland, New Zealand.
Poster: Introducing Cochrane systematic reviews to the final year physiotherapy students- a preliminary report.
22. August 2012: International Sports Medicine Conference, Colombo, Sri Lanka.
Invited lecture: Sports physiotherapy- an evidence-based approach.
23. March 2012: *20th edition International Disabled People's Day – Zgorzelec, Poland*
Invited lecture: Towards professional autonomy.
24. *November 2011: 15th National conference of Polish Physiotherapy Society, Lodz, Poland.*
Invited lecture: Role of physiotherapy in preventing postoperative pulmonary complications.
25. *November 2011: National Physiotherapy conference, AIIMS, New Delhi, India.*
Invited lecture: Role of physiotherapy in metabolic syndrome.
26. *February 2011: 1st Regional Nursing and Allied health sciences conference University of Technologica Mara, Malaysia.*

Invited lecture: Critical care and Allied health professions.

27. October 2010: National conference on pulmonary rehabilitation, KLE institute of Physiotherapy, Belgaum.

Invited lecture: Clinical exercise testing, Adjuncts to physiotherapy.

28. May 2010: 7th Singapore National Physiotherapy Conference, Singapore.

Symposium speaker: Critical care Physiotherapy

Poster: Effects of exercises and physiotherapy in the management of health disorders- an over view of Cochrane systematic reviews.

collaborative project, funded by Laureate network (11000 USD)

2016 Development, Validation and evaluation of Pro – CP to measure clinical competency of Physiotherapy a mixed method and multi-centered study (Yusoff BSM, Maria Justin, Narasimman Swaminathan, Devinder K). University Sains Malaysia Research Grant. (100000 MYR)

2016 *Improving learning outcomes through video conferencing (Ongoing)*

2015 *Peer assessment to improve learning outcomes (Completed)*

2015 *Analytics to improve learning outcomes and to provide meaning feedback (presented in INTI international university academic conference)*

2013 *Is there any difference in learning styles of entry level physiotherapy graduates of India compared to their Australian counterparts. (Under review for publication)*

2012 Uniform Entry level physiotherapy curriculum based on the community need – 99,000 INR – Supported through grant by Rajiv Gandhi University of Health Sciences, Bangalore, India. (2010)

2012 OSCE/OSPE as an assessment tool in physiotherapy education – Supported through a grant by Rajiv Gandhi University of Health Sciences, Bangalore, India

Higher Educational activity related appointments

2020 Member, Academic council, SRIHER

2018 Member, Board of Studies, Allied Health Sciences, Physiotherapy Sri Ramachandra Institute of Higher Education, Chennai

2018 Member, Sri Ramachandra Center for Health Professional Education

2018	Member, Board of Studies, SRM Institute of Physiotherapy, Chennai
2017	Chair, Academic Equivalency Portfolio Committee (INTI IU)
2016 - 2017	Member, Senate, INTI International University (INTI IU)
2016 - 2017	Member Senate Executive Board, INTI IU
2016 -2017	Member Academic committee, INTI IU
2016 -2017	Member Academic Equivalency committee, INTI IU
2015 -2017	Chairman, Curriculum review committee, INTI IU
2015 - 2017	Chairman, Question paper moderation committee, INTI IU
2012 – 2014	Chairman Board of Studies- Kerala University of Health Sciences
2011 – 2013	Member Board of Studies NITTE University, Mangalore
2011 – 2013	Member Board of Studies Yenopoya University, Mangalore
2012- 2013	Member Board of Studies, Goa University
2011 – 2014	Member Board of Studies, Rajiv Gandhi University of Health Sciences