

## Curriculum Vitae

**Name** Mantana Vongsirinavarat  
**Position** Assistant Professor  
**Work** Faculty of Physical Therapy, Mahidol University  
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### Education

2016	D.PT.	University of Montana, Missoula, Montana, USA
2003	Ph.D. (Physical Therapy)	Texas Woman University, Houston, Texas, USA
1995	M.Sc. (Physical Therapy)	Mahidol University, Bangkok, Thailand
1991	B.Sc. (Physical Therapy)	Mahidol University, Bangkok, Thailand

### Supplementary Education (Selected list)

- March 2017. Smart Living International School 2017. Koashieng, Taiwan.
- July 2016. DNS A, B, and Skill Scoliosis Course. Kuala Lumpur, Malaysia.
- March 2016. Movement System Impairment of the Knee, and Foot and Ankle. Faculty of Health Science, Srinakarinwirot University, Bangkok, Thailand.
- June 2015. Policy Communication Workshop, Mahidol University Global Health, Nakornpathom, Thailand.
- April 2015. Vestibular Rehabilitation. Faculty of Health Science, Srinakarinwirot University, Bangkok, Thailand.
- April 2015. Clinical Application of Adhesive Tape and Kinesiotape. StLouis Collage, Bangkok, Thailand.
- January 2015. Movement System Impairment of the Shoulder. Faculty of Allied Health, Chulalongkorn University, Bangkok, Thailand.
- July 2014. Movement System Impairment of Lumbar and Hip Joint. Faculty of Health Science, Srinakarinwirot University, Bangkok, Thailand.
- April 2014. Qualitative Research Data Analysis, Institute of Population and Social Research, Mahidol University, Nakhornpathom, Thailand.
- March 2014 Qualitative Research Design. Institute of Population and Social Research, Mahidol University, Nakhornpathom, Thailand.
- April 2014. Clinical Decision Making in Physical Therapy. The Physical Therapy Association of Thailand.

- May 2010. English-Training-Course with Certification for scoliosis treatment. Bad Sobernheim, Germany.
- June 2009. Manual Therapy for Lymphatic Drainage. Faculty of Physical Therapy, Rangsit University, Pathumthani, Thailand.
- July 2008. Diagnoses and Treatment of Movement Impairments of the Lower Quarter. Faculty of Physical Therapy, Mahidol University, Thailand.
- June 2007. Participatory Research. ASEAN Institute for Health Development, Mahidol University, Nakhornpathom, Thailand.
- September 2006. Health Research, data management and Advanced Statistics Application. Medical Sciences Research Institution, Chulalongkorn University, Bangkok, Thailand.
- December 2004. Outcome and Health Service Research. Medical Research Center, Chulalongkorn University, Bangkok, Thailand.
- January 2003. Mechanical Diagnosis and Therapy (Part A-Lumbar). Houston, Texas. USA.

### Research Interests

- Physical Therapy in Musculoskeletal Conditions
- Disability in Elderly
- Physical Therapy Education
- Health Policy Relevant to Physical Therapy

### Research Funding

- Principal investigator. Thai Physical Therapy Association. The survey of uses and teaching/learning and of evidence based practice in physical Therapists in Thailand. 2017.
- Principal investigator. Faculty of Physical Therapy, Mahidol University. Patterns, Validity, Reliability, and Responsiveness of Evaluations using the International Classification of Function, Disability and Health in the Patients Receiving Physical Therapy. 2015.
- Co-investigator. National Research Council of Thailand: Physical Disability, Prevention, and Treatment in Thai Elderly in Community. 2011.
- Chair of Expert Panel. Office of Higher Education Commission. The Qualification Standards for Higher Education: Physical Therapy. 2010.
- Principal investigator. National Research Council of Thailand: The Study of Book Sharing System in Small Primary Schools. 2009.
- Co-investigator. Insurance System Research Office. Reviews of the benefit packages for rehabilitation under the health security system. As a part of research projects to develop the rehabilitation system. 2008.
- Co-investigator. Health System Research Institute. Thai Physical Therapy System in the Next Decade (2005-2015). 2004.

## Positions & Working Experiences

2004 - present Assistant Professor, Faculty of Physical Therapy, Mahidol University  
2007- 2009 Physical Therapist (owner), Mantana Physical Therapy Clinic, Bangkok, Thailand  
1995 – 2004 Lecturer, School of Physical Therapy, Mahidol University  
1993-1995 Physical Therapist (part-time), Central General Hospital, Bangkok, Thailand

## Licensure

1991-present Physical Therapist, Thailand  
2000-2003 Physical Therapist, NY, USA

## Professional Memberships

1991 – present Member, The Physical Therapy Association of Thailand  
2000 – 2003 Member, The American Physical Association

## Professional Service

2020-2024 President, The Physical Therapy Association of Thailand  
2018 Consultant, The Education Framework Committee, Thai Physical Therapy Education Consortium.  
2018-2019 Education Policy and Guidelines Expert Working Group, World Confederation of Physical Therapy  
2014 - 2017 Consultant, The Physical Therapy Council, Thailand  
2011 - 2014 President, The Physical Therapy Council, Thailand  
2008 - 2011 Manpower Taskforce, The Physical Therapy Council, Thailand  
2004 - 2008 Secretary General, The Physical Therapy Council, Thailand  
1996 - 1997 Public Relation, The Physical Therapy Association of Thailand  
1994 - 1995 Secretary General, The Physical Therapy Association of Thailand

## Publications

1. Srisuk S, Vongsirinavarat M, Limpasuteerat K. The Planning of Health Manpower in Next Two Decades: Physical Therapy. In: The Planning of Health Manpower in next two decades. Bangkok: Health Systems Research Institution, 1997: 300-315.
2. Vongsirinavarat M, Phisutvimol P, Suwanmaneerat P, Trithong C, Boonprakong Y. The Effect of Leg Starting Positions on Spinal Movement in Sitting. Thai Journal of Physical Therapy 1997; 19(1): 33-41.
3. Sakulsriprasert P, Vachalathiti R, Vongsirinavarat M, Kantasorn J. Cross-Cultural Adaptation of Modified Oswestry Low Back Pain Disability Questionnaire to Thai and Its Reliability. Journal of the Medical Association of Thailand 2006; 89(10): 1694-701.

4. พรพิมล จันทรวีโรจน์, สุวิทย์ อริยชัยกุล, น้อมจิตต์ นวลเนตร, ผกาวัลลี พุ่มสุทัศน์, มณฑนา วงศ์ศิรินวรรตน์, สลิตา สุริยประภาดิติก, ฉัตรวรัญ อองคสิงห์. ระบบกายภาพบำบัดของคนไทยในทศวรรษหน้า (พ.ศ. 2548-2557). สถาบันวิจัยระบบสาธารณสุข กรุงเทพฯ 2549.
5. พรพิมล จันทรวีโรจน์, สุวิทย์ อริยชัยกุล, น้อมจิตต์ นวลเนตร, ผกาวัลลี พุ่มสุทัศน์, มณฑนา วงศ์ศิรินวรรตน์. การทบทวนสิทธิประโยชน์ บริการฟื้นฟูสมรรถภาพทางการแพทย์ภายใต้หลักประกันสุขภาพถ้วนหน้า เป็นส่วนหนึ่งของชุดโครงการวิจัยเพื่อพัฒนาระบบบริการฟื้นฟูสภาพ (Rehabilitation) ภายใต้ระบบประกันสุขภาพ. สำนักงานวิจัยเพื่อการพัฒนาหลักประกันสุขภาพไทย. กรุงเทพฯ 2551.
6. Sakulsriprasert P, Vachalathiti R, Vongsirinavarat M, Pichaisak W, Sophonratanapokin B. Effects of physical therapy treatments with and without spinal mobilization in individuals with acute nonspecific low back pain: A randomized trial. Indian Journal of Physiotherapy and Occupational Therapy 2010; 4(4).
7. Bovonsunthonchai S, Hiengkaew V, Vachalathiti R, Vongsirinavarat M. Gait Symmetrical Indexes and Their Relationships to Muscle Tone, Lower Extremity Function, and Postural Balance in Mild to Moderate Stroke. J Med Assoc Thai 2011; 94 (4): 476-84.
8. Sakulsriprasert P, Vongsirinavarat M, Thammajaree C, Khoblueng D, Sunthornwiriawong K. Effect of superficial heating duration on plantarflexor extensibility. Songklanagarin Medical Journal 2010; 28(6): 295-304.
9. Jorrakate C, Vachalathiti R, Vongsirinavarat M, Sasinontonkul S. Lower Extremity Joint Posture and Peak Knee Valgus Moment during Side-step Cutting Performed by Males and Females. Journal of Physical Therapy Science 2011;23(4): 585-89.
10. Ainpradub K, Vachalathiti R, Vongsirinavarat M. Correlation between level of lumbar stability, leg strength and vertical jump height in health male subjects. Thai Journal of Physical Therapy 2011: 33(3); 108-113.
11. Sangpring P, Vongsirinavarat M, Hiengkaew V, Kaewkungwan J. Development of a Geriatric Fear of Falling Questionnaire for Assessing the Fear of Falling of Thai Elders. Journal of Physical Therapy Science 2012; 24 (4): 359-65.
12. Bavonsunthonchai S, Hiengkaew V, Vachalathiti R, Vongsirinavarat M, Tretriluxana J. Effect of speed on the upper and contralateral lower limb coordination during gait in individuals with stroke. Kaohsiung J Med Sci. 2012 Dec;28(12):667-72.
13. พรพิมล จันทรวีโรจน์, น้อมจิตต์ นวลเนตร, ผกาวัลลี พุ่มสุทัศน์, สุวิทย์ อริยชัยกุล, มณฑนา วงศ์ศิรินวรรตน์. ชุดสิทธิประโยชน์ของการบริการกายภาพบำบัดเพื่อการฟื้นฟูสมรรถภาพทางการแพทย์สำหรับผู้ที่มีความบกพร่องด้านการเคลื่อนไหวในชุมชน. วารสารกายภาพบำบัด 2555; 34: 96-104.
14. วิมลวรรณ เหียงแก้ว, ภครตี ชัยวัฒน์, มณฑนา วงศ์ศิรินวรรตน์. ภาวะความบกพร่องทางกายของผู้สูงอายุไทย ในชุมชนภาคกลาง. วารสารระบบบริการปฐมภูมิและเวชศาสตร์ครอบครัว 2556; 3(2): 12-24.
15. Utsahachant N, Sakulsriprasert P, Vongsirinavarat M. Comparisons of foot posture and ankle and knee strength between athletes with and without chronic ankle instability. Journal of Sports Science and Technology 2012;12 (2): 107 – 116.

16. Suttiwong J, Vongsirinavarat M, Vachalathiti R, Chaiyawat P. Impact on Participation and Autonomy Questionnaire: Psychometric Properties of the Thai Version. *J Phys Ther Sci*. 2013; 25:769-774.
17. Borisut S, Vongsirinavarat M, Vachalathiti R, Sakulsriprasert P. Effects of strength and endurance training of superficial and deep neck muscles on muscle activities and pain level in females with chronic neck pain. *J Phys Ther Sci*. 2013;25(9):1157-62.
18. Kraiwong R, Vongsirinavarat M, Soonthorndhada K. Physical therapy workforce shortage for aging and aged societies in Thailand. *J Med Assoc Thai*. 2014;97 Suppl 7:S101-6.
19. Cheawthamai K, Vongsirinavarat M, Hiengkaew V, Saengrueangrob S. A comparison of home-based exercise programs with and without self-manual therapy in individuals with knee osteoarthritis in community. *J Med Assoc Thai*. 2014;97 Suppl 7:S95-100.
20. Earde P, Vongsirinavarat M, Sakulsriprasert P, Vachalathiti R. Immediate effects of trunk stabilizer muscles training on muscle response time in individuals with non-specific chronic low back pain. *J Med Assoc Thai*. 2014;97 Suppl 7:S89-94.
21. Vongsirinavarat M, Hiengkaew V. Factors determining functional ability of individuals with stroke in community. *J Med Assoc Thai*. 2014;97 Suppl 7:S60-4.
22. Hiengkaew V, Vongsirinavarat M, Chaiyawat P. Weight and body mass index in men and age and height in women relate to difficulty and ability in performing activities in community-living Thai elders. *J Med Assoc Thai*. 2014;97 Suppl 7:S26-32.
23. Suttiwong J, Vongsirinavarat M, Vachalathiti R, Chaiyawat P. Predicting community participation after SCI in Thailand. *Journal of Rehabilitation Medicine*. *J Rehabil Med* 2015; 47: 00–00.
24. Saetang L., Sakulsriprasert P., Vongsirinavarat M. The adaptive patterns of pelvic alignment in individuals with adolescent idiopathic scoliosis. *Journal of the Medical Association of Thailand*. 2015;98(S5): S119-24 6.
25. Kaewsawang S, Chongsuvivatwong V, Vongsirinavarat M. Capacity of physiotherapy workforce production in Thailand: Public–Private mix, secular trend and geographic distribution. *Physiotherapy Research International*. Article first published online: 17 APR 2015. DOI: 10.1002/pri.1629.
26. Hiengkaew V, Vongsirinavarat M. Home-Based Physical Therapy for Individuals With Stroke in Thailand. Article first published online: February 2016 · *Home Health Care Management & Practice* 02/2016; DOI:10.1177/1084822316630278.
27. Vongsirinavarat M, Hiengkaew V. Predictors of the functional abilities in individuals with stroke after home physical therapy program. *Journal of the Medical Association of Thailand*. 2016;99(10): 1147-52.
28. Vongsirinavarat M, Wahyuddin W, Adisaiphaopan R. The agreement of clinical examination for low back pain with facet joint origin. *Hong Kong Physiotherapy Journal*. 2018; 38 (2): 1–7. DOI: 10.1142/S1013702518500105

29. Nunthapornsak A, Vongsirinavarat M, Kraiwong R. The Reliability of the Michigan Neuropathy Screening Instrument Thai version. *J Med Assoc Thai.* 2018; 101 (6): 753-7.
30. Suttiwong J, Vongsirinavarat M, Hiengkaew V. Predictors of Community Participation Among Individuals with First Stroke: A Thailand Study. *Ann Rehabil Med.* 2018 Oct;42(5):660-669. doi: 10.5535/arm.2018.42.5.660.
31. Htut TZC, Hiengkaew V, Jalayondeja C, Vongsirinavarat M. Effects of physical, virtual reality-based, and brain exercise on physical, cognition, and preference in older persons: a randomized controlled trial. *Eur Rev Aging Phys Act.* 2018 Oct 2;15:10. doi: 10.1186/s11556-018-0199-5.
32. Nilmart P, Vongsirinavarat M, Somprasong S, Apinonkul B. Development of an extensive assessment list for knee osteoarthritis based on the International Classification of Functioning, Disability and Health: a Delphi study. *Int J Rehabil Res.* 2019;42(3):240-248. doi: 10.1097/MRR.0000000000000361.
33. Vongsirinavarat M, Jitree K. Validity and application of the international classification of functioning, disability and health core set for stroke in Thailand. *J Pub Health Dev.* 2019;17(2):19-34.
34. Kraiwong R, Vongsirinavarata M, Hiengkaewa V, and Heideken Wågertb P. Sensory impairments, balance performances and muscle strength in older people with type 2 diabetes. *Ann Rehab Med.* 2019 Aug;43(4):497-508.
35. Torwichien P, Vongsirinavarat M, Sakulsriprasert P, Somprasong S. Intertester reliability of a movement impairment-based classification system for individuals with shoulder pain. *Hong Kong Physiotherapy Journal* 2020;40 (1):51-62.
36. Wahyuddin W, Vongsirinavarat M, Mekhora K, Bovonsunthonchai S, Adisaipoapun R. Immediate effects of muscle energy technique and stabilization exercise in patients with chronic low back pain with suspected facet joint origin: A pilot study. *Hong Kong Physiotherapy Journal.* 2020;40(2):1–11. DOI: 10.1142/S1013702520500109.
37. Vongsirinavarat M, Nilmart P, Somprasong S, Apinonkul B. Identification of knee osteoarthritis disability phenotypes regarding activity limitation: a cluster analysis. *BMC Musculoskeletal Disorders.* 2020;21: Article number: 237. Doi: 10.1186/s12891-020-03260-y.
38. Vongsirinavarat M, Mathiyakom W, Kraiwong R, and Hiengkaew V. Fear of Falling, Lower Extremity Strength, and Physical and Balance Performance in Older Adults with Diabetes Mellitus. *Journal of Diabetes Research.* 2020; Article ID 8573817 | 8 pages | <https://doi.org/10.1155/2020/8573817>.
39. Vongsirinavarat M, Mathiyakom W, Krityakiarana W, Hengsomboon N, Kraiwong R. Survey of Attitudes, Knowledge, and Barriers to Evidence-Based Practice Among Thai Physical Therapists. *The Internet Journal of Allied Health Sciences and Practice.* 2020; 18 (4):1-15.
40. Vongsirinavarat M, Kraiwong R. Falls among Older People with Type 2 Diabetes Mellitus with Peripheral Neuropathy. *Siriraj Medical Journal* 2021, 73(2), 92-28. <https://doi.org/10.33192/Smj.2021.13>

41. Kraiwong R, Vongsirinavarat M, Rueankam M, Sumalrot T. Effects of physical-cognitive training on physical and psychological functions among older adults with type 2 diabetes and balance impairment: a randomized controlled trial. J Exerc Rehabil. 2021;17(2):120-130. Published 2021 Apr 27. doi:10.12965/jer.2142106.053
42. Petviset H, Sakulsriprasert P, Vongsirinavarat M, Wattananon P. Comparison of scapulothoracic muscles onset and deactivation time between individuals with and without inferior angle type of scapular dyskinesis: A cross-sectional study. Songklanakarin J. Sci. Technol 2021. 43 (2), 512-519.

### Peer-reviewed Conference Proceeding Papers/Presentations

1. Vongsirinavarat M, Sangvichian S, Chaipackdee K, Akamanon C. Anthropometric Survey of Primary Schoolchildren in Bangkoknoi District, Bangkok, for Classroom Furniture Determination. The 18th Annual Conference, The Society of Anatomy of Thailand, 1995.
2. Bovonsunthonchai S, Hiengkaew V, Vachalathiti R, Vongsirinavarat M. Joint velocity during gait in patients with stroke. The 2010 Asian Congress of NeuroRehabilitation, 5-8 December 2010, Pattaya, Thailand.
3. Vongsirinavarat M, Nunthapornsak A, Somprasong S. Relationships of Clinical Competencies and Cognitive (Panna) Skills in Physical Therapy Students. 27th-30th June 2017, WCPT-AWP & PTAT Congress 2017. Bangkok, Thailand.

### Textbooks and Book Chapters (in Thai):

1. มณฑนา วงศ์ศิรินวรัตน์, วิทยา เมธิยาคม. กายภาพบำบัดในภาวะข้อไหล่: การจัดการโดยอิงหลักฐาน. กรุงเทพฯ 2562. ISBN 978-616-443-317-5.
2. มณฑนา วงศ์ศิรินวรัตน์. การดัดตั้งข้อไหล่ ใน: ข้อ-ไหล่ การรักษาทางคลินิกกายภาพบำบัด. นวลอนงค์ ชัยปิยะพร บรรณาธิการ, โรงเรียนกายภาพบำบัด คณะแพทยศาสตร์ศิริราชพยาบาล, 2539: หน้า 77- 94
3. มณฑนา วงศ์ศิรินวรัตน์. การทดสอบกำลังกล้ามเนื้อคอ กล้ามเนื้อลูกตา กล้ามเนื้อที่ใช้ในการเคี้ยวและกล้ามเนื้อใบหน้า ใน: การทดสอบกำลังกล้ามเนื้อด้วยมือ. นวลอนงค์ ชัยปิยะพร บรรณาธิการ, บริษัทพิวงษ์ ทราเนอมีเดีย จำกัด กรุงเทพฯ, 2540: 97-126.
4. สุรศักดิ์ ศรีสุข , วิมลวรรณ เหียงแก้ว, มณฑนา วงศ์ศิรินวรัตน์. กายภาพบำบัดในผู้ป่วยอัมพาตครึ่งซีก 2548.
5. สุรศักดิ์ ศรีสุข, มณฑนา วงศ์ศิรินวรัตน์, วิมลวรรณ เหียงแก้ว. หยุดปวดด้วยตัวเอง. สำนักพิมพ์หมอชาวบ้าน, 2549.
6. มณฑนา วงศ์ศิรินวรัตน์. ดูแลตัวเองด้วยกายภาพบำบัด: ข้อเข่าเสื่อม. สำนักพิมพ์ผีเสื้อ กรุงเทพฯ 2550.
7. มณฑนา วงศ์ศิรินวรัตน์. ดูแลตัวเองด้วยกายภาพบำบัด: ปวดหลัง. สำนักพิมพ์ผีเสื้อ กรุงเทพฯ 2551.
8. มณฑนา วงศ์ศิรินวรัตน์. ดูแลตัวเองด้วยกายภาพบำบัด: ปวดคอ. สำนักพิมพ์ผีเสื้อ กรุงเทพฯ 2552.

### Invited Lecturer, Workshop Instructor and Symposium Speaker (Selected list)

- Enhance Clinical Reasoning Skill of Musculoskeletal Problems and Intervention in Clinical setting (Online lecture). 19 November 2020, Stikes Aisyiyah University, Yogyakarta, Indonesia.

- Physical Therapy Management in Shoulder Movement Impairments. 4-6 March and 4-6 November 2020, Phutthashinaraj Hospital, Phissanulok, Thailand.
- Physical Therapy Management in Persons with Scoliosis, Intensive course. 8-12 July 2019, , Thailand. Khonkan Central Hospital, Khonkan, Thailand.
- Evidence Based Practice for Physical Therapy. 20-21 June 2019. Srisaket Hospital, Thailand.
- Body of Knowledge of Physiotherapy Science: A perspective from Thailand. The National Conference: The Association of Indonesian Physiotherapy Higher Education. 18-19 January 2018, Surakarta, Java, Indonesia.
- Clinical thinking process in Physical Therapy. 21<sup>st</sup> November 2017. 1-2 November 2013. Stikes Aisyiyah University, Yogyakarta, Indonesia.
- Clinical thinking process in musculoskeletal Physical Therapy. 18<sup>th</sup> November 2017. Esa Ungul University, Jakarta, Indonesia.
- Transform Physical therapists from Clinicians to Exemplary Clinical Instructors in the 21st Century. 29<sup>th</sup> June 2017. Focused Symposium, WCPT-AWP & PTAT Congress 2017. Bangkok, Thailand.
- Smart Living in Thailand: Aging society management and Physical Therapy roles. 22 March 2017. Smart Living International School 2017. Koashieng, Taiwan.
- The Quality of Physical Therapy Services toward SDGs. 29 September 2016. Universitas Muhammadiyah, Palembang, Indonesia.
- Physical Therapy Management in Persons with Scoliosis. 6-8 July 2016, Naresuan Univeristy, Thailand.
- Sports Biomechanics: Upper Limb Movements. 29 June 2016, Sport Authority of Thailand. Bangkok, Thailand.
- Physical Therapy Management in Elderly with Knee Problems. 26 May 2016, Universitas Muhammadiyah, Surakarta, Indonesia.
- Promote Healthy Lives and Well-being for All at All Ages: Bringing theoretical concepts into practices, Physical Therapy Perspective. 28 May 2016, Universitas Muhammadiyah, Surakarta, Indonesia.
- Scapular dyskinesia and shoulder injury. 28 Jan 2016, Sport Intensive Day, Thai Orthopedic Society for Sports Medicine. Bangkok, Thailand.
- Management of Shoulder Sport Injuries. 25-28 August 2015. Sport Authority of Thailand. Bangkok, Thailand.
- Physical Therapy Management in Persons with Scoliosis. 22-24 July 2015, St. Louis Collage, Thailand.
- Shoulder Movement Impairment Syndrome. The 5th Annual Meeting of Thai Orthopedic Society for Sports Medicine. 10 July 2015. Hua Hin, Thailand.



- Physical Therapy Management in Persons with Scoliosis. 29-31 May 2015, Indonesian Orthopedic Musculoskeletal Physical Therapist Special Interest Group, Surakarta, Indonesia.
- Understanding ICF model and its uses in Physical Therapy. 22 October 2014. Ayutthaya Physical therapy Network. Ayutthaya, Thailand.
- Principle of evaluation, diagnosis and management of persons with neurological conditions with ICF model Application. The Physical Therapy Association of Thailand. Bangkok, Thailand, 9 August 2014.
- Roles of Thai MT-PT Association for one ASEAN. International Medical Sciences Conference 2014, 15 July 2014. Khonkan University, Khonkan, Thailand.
- Physical Therapy Management of Spinal Deformity. 22-23 May 2014. Nakornsrihammaraj Center Hospital, Nakornsrihammaraj, Thailand.
- Evidence-based Physical Therapy Practice in Shoulder Problem. 6-7 March 2014, Naresuan University, Thailand.
- Physical Therapy Management for Musculoskeletal Conditions in Community. Capacity Building Workshop for Community Physical Therapists in National Health Security Office Area 8. 26-28 January 2014, Udonthani, Thailand.
- The Concept of Mechanical Diagnosis & Therapy. 1-2 November 2013. Stikes Aisyiyah University, Yogyakarta, Indonesia.
- Physical Therapy Management of Shoulder Dysfunction. 25-29 October 2013. Esa Unggul University, Jakarta, Indonesia.
- Physical Therapy Management for Neck, Back, Shoulder, and Knee Pain in Community. Capacity Building Workshop for Community Physical Therapists in National Health Security Office Area 7. 9-11 October, 2013. Khonkan, Thailand.
- Physiotherapy Education in Asia. 50 years Dies Natalies Stikes Aisyiyah the Seminar National, 8 June 2013, Yogyakarta, Indonesia.
- Physical therapy management for scoliosis. Indonesia Physiotherapy Association. 10-11 June 2013, Palembang, Indonesia.
- Physical Therapy Management of Shoulder Dysfunction. 21-23 September, 4-6 October 2013, 5-7 April 2014. Physical Therapy Council, Bangkok, Thailand.

### **Service Project**

- 2005- present: Project Manager: Community Physical Therapy Service in Bangkok Area. Funded by the Office of National Health Security, Bangkok Branch.
- 2006: Project Manager: Call Center for Persons with Disability in Bangkok Area. Funded by the Office of National Health Security, Bangkok Branch.