

Curriculum Vitae

Name Assoc Prof. Dr. Chutima Jalayondeja (Wanichayakonkul)
Position -
Work Faculty of Physical Therapy, Mahidol University
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Education

2010: Doctor of Public Health (Epidemiology), Mahidol University
2008: Visiting researcher at Massachusetts General Hospital Institute of Health
Profession, Boston, MA
1999: M.Sc. (Physiotherapy) Mahidol University
1996: B.Sc. (Physiotherapy) Mahidol University

Awards & Funding

Year	Awards & Funding
2012	<ul style="list-style-type: none">• Research funds 2012 by Faculty of Physical Therapy, Mahidol University, Thailand: topic “ Association between muscles strength and supine-to-sitting among the person post stroke in acute stage”
2013	<ul style="list-style-type: none">• Research funds 2013 by Thailand Health Promotion Foundation: topic “Public policy for prevention the people with knee osteoarthritis by risk factor area focus in Bangbo”
2014	<ul style="list-style-type: none">• Research funded 2014 by PTT Exploration and Production Public Company Limited• Research award 2014 from Faculty of Physical Therapy, Mahidol University• Research funds 2014 by the NCD network under the Royal Thai government and WHO collaboration: topic “Development of Thailand Physical Activity Guideline (TPAG)”
2015	<ul style="list-style-type: none">• Research funded 2015 by PTT Exploration and Production Public Company Limited• Research funds 2015 by Thailand Health Promotion Foundation: topic “Development of strategies for creating environments for the prevention of children obesity; Identification of problem (year 1)”• Research funds 2015 by World Health Organization (WHO): topic “Development of curriculum for physical activity promotion
2016	<ul style="list-style-type: none">• Research funds 2016 by the NCD network under the Royal Thai government and WHO collaboration: topic “Comparison of learning

outcomes and using TPAG for modifying physical activity between short course and full course groups”

- 2017**
 - Research funds 2017 by Thailand Health Promotion Foundation: topic “Survey and Guideline for Physical Activity Promotion of Employees and Entrepreneurial Projects of Software Park Thailand under the Office of Science and Technology (NSTDA.): a prospective study for 6 months”
 - Research funds 2017 by PTT Exploration and Production Public Company Limited
- 2018**
 - Research funds 2018 by Thailand Health Promotion Foundation: topic “Development of multicomponent intervention model for reducing sedentary behavior and encouraging physical activity in office workers”
- 2019**
 - Research funds 2019 by Thailand research fund: The Royal Golden Jubilee Ph.D. Program

Research Interests

- Epidemiology and Physical activity
- Stroke and people with physical disability
- The International Classification Functioning Disability and Health model
- Functional outcome measures

Positions & Working Experiences

- 2012-present Chair of Diploma Postgraduate (Clinical Physical Therapy) of Faculty of Physical Therapy, Mahidol University, Thailand
- 2002-present Lecturer of Faculty of Physical Therapy , Mahidol University, Thailand
- 2002 Physical Therapy Department and Pulmonary test at Bumrungrad International Hospital, Bangkok, Thailand
- 2002 Physical Therapy Department at Ladprao General Hospital, Bangkok, Thailand
- 2001 Lecturer of Faculty of Health Science, Srinakharinwirot University, Thailand
- 2001 Invited lecturer of Faculty of Physical Therapy, Hoachiew Chalermprakiet University Samutprakan, Thailand
- 2000 Lecturer of Faculty of Physical Therapy, Rungsit University, Thailand
- 1998- 2001 Physical Therapy at Jitsomnongkun Private Clinic, Samutprakan, Thailand
- 1997-1998 Physical Therapy Department at Piyamin Hospital, Bangkok, Thailand

National and International Invited Reviewer

- 2013 Archives Physical Medicine and Rehabilitation, Journal of Medical Technology and Physical Therapy, Thai Journal of Thai
- 2014 Journal of Neurological Physical Therapy, Journal of Medical Association Thailand

National and International Invited Speaker

- 2018 2018 International Conference on Health Science and Technology (ICHST) October 10th -11th, 2018 Universitas 'Aisyiyah Yogyakarta'
- 2017 "7th Asia Remote Site Health and Corporate Wellness Conference" on the topic: "ROI in Addressing Sedentary Lifestyle" at Fairmount Hotel, Singapore on 30-October, 2017
- 2016 "50th Anniversary of Physical Therapy Profession". Faculty of Physical Therapy Mahidol University, Thailand
- 2015 "NCD forum 2015" Department of Disease Control, Ministry of Public Health Thailand
- 2014 "Physical Therapy in Stroke". Faculty of Physical Therapy Mahidol University Thailand
- 2013 "Management in Parkinson disease" Faculty of Physical Therapy, Mahidol University
- 2013 "Health and exercise in Thai elderly population" Faculty of Physical Therapy Mahidol University, Thailand
- 2012 "Physical Therapy in Stroke". Faculty of Physical Therapy Mahidol University Thailand
- 2012 "Using ICF model to research" Physical Therapy Association of Thailand Annual Conferences 4th, Thailand
- "Using Timed Up and Go for falling screening in elderly" Prasat Neurological Institute, Thailand
- "Physical Therapy in neurological update" Faculty of Physical Therapy, Esa Unggul University, Indonesia

Teaching Course

- PTPT 102 Basic knowledge and skill in physical therapy
- PTPT 237 Physical therapy assessment and diagnosis 2
- PTPT 238 Therapeutic skill 1
- PTPT 320 Exercise 2

PTPT 322 Basic movement
 PTPT 335 Neurological physical therapy 1
 PTPT 362 Clinical practice 3
 PTPT 435 Neurological physical therapy 2
 PTPT 495 Research project
 PTPT 556 Specialized physical therapy practice 1
 PTPT 557 Specialized physical therapy practice 2
 PTPT 565 Conceptual framework for physical therapy in individuals with stroke
 PTPT 566 Update in physical therapy in individual with stroke
 PTPT 569 Overseas internship
 PTPT 597 Research projects in physical therapy
 PTPT 553 Measurements
 PTPT 554 Research methodology and statistics
 PTPT 657 Advanced motor control and learning
 PTPT 591 Critical reading in physical therapy reports
 PTPT 605 Contemporary topics
 PTPT 607 Research methodology
 PTPT 608 PT seminar
 PTPT 635 Independent study

Professional Memberships

American Congress for Rehabilitation Medicine (ACRM)

Physical Therapy Association of Thailand (PTAT)

Physical Therapy Congress, Thailand

Asian Council for Health Physical Activity and Fitness (ACHPAF)

Publications

1. Pinupong C, Jalayondeja W, Mekhora K, Bhuanantanondh P, **Jalayondeja C**. The effect of ramp gradients and pushing-pulling technique son lumbar spinal load in healthy workers. Saf Health Work. 2020. <https://doi.org/10.1016/j.shaw.2020.05.001>
2. Kadli S, Lekskulchai R, **Jalayondeja C**, Hiller CE. Cross-cultural Adaptation of the Cumberland Ankle Instability Tool-Youth Thai version. *Pediatr Int*. 2020. <https://doi.org/10.1111/ped.14320>
3. Tipwareerom W, **Jalayondeja C**, Hanrungcharotorn U. Predicting factors of condom use among high school boys. *JBCN_Bangkok*. 2020; 36(3).
4. Aranyavalai, T., **Jalayondeja, C.**, Jalayondeja, W. et al. Association between walking 5000 step/day and fall incidence over six months in urban community-dwelling older people. *BMC Geriatr*. 2020; 20 (194).<https://doi.org/10.1186/s12877-020-01582-z>.
5. Phoemsangsuwan P, Anuraktam K, **Jalayondeja C**. Effect of counting book program on work performance in library of Faculty of Physical Therapy, Mahidol University. *Interdisciplinary Studies Journal*. 2020; 19(2): 126-39.

6. Kongwattanakul K, Hiengkaew V, **Jalayondeja C**, Sawangdee Y. A structural equation model of falls at home in individuals with chronic stroke, based on the international classification of function, disability, and health. PLoS ONE. 2020;15(4): e0231491. <https://doi.org/10.1371/journal.pone.0231491>.
7. Liangruenrom N, Craike M, Dumuid D, Biddle SJH, Tudor-Locke C, Ainsworth B, **Jalayondeja C**, et al. Standardised criteria for classifying the International Classification of Activities for Time-use Statistics (ICATUS) activity groups into sleep, sedentary behaviour, and physical activity. Int J Behav Nutr Phys Act. 2019; 16:106. doi: <https://doi.org/10.1186/s12966-019-0875-5>
8. Jalayondeja W, **Jalayondeja C**, Kaewkhuntee W, Nuntapornsak A. Effect of physical activity promotion and break prolonged sitting program on health and physical fitness in office workers. Journal of Nursing and Health Science. 2019. 13(4).
9. Jalayondeja W, Mekhora K, **Jalayondeja C**, Samae H, Bhuanantanondh P. Upper and lower crossed syndromes among computer and manual material handling workers in an oil and gas company. Thai Journal of Ergonomics. 2019; 2(1): 30-41.
10. Tretriluxana J, Thanakamchokchai J, **Jalayondeja C**, Pakaprot N, Tretriluxana S. The persisted effects of low-frequency repetitive transcranial magnetic stimulation to augment task-specific induced hand recovery following subacute stroke: extended study. Ann Rehabil Med 2018;42(6):1-11. <https://doi.org/10.5535/arm.2018.42.6.1>
11. 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; 15:10. <https://doi.org/10.1186/s11556-018-0199-5>
12. Moe TT, **Jalayondeja C**, Pichaiyongwongdee S, Tretriluxana J, Hiengkaew V. Oxygen consumptions of 30 task-oriented exercises for walking training in stroke. J Med Assoc Thai 2018; 101 (9): 1255-62.
13. Adhikari SP, Tretriluxana J, Chaiyawat P, **Jalayondeja C**. Enhanced upper extremity functions with a single session of action-observation-execution and accelerated skill acquisition program in subacute stroke. Stroke Research and Treatment 2018. <https://doi.org/10.1155/2018/1490692>.
14. Hong SA, Chawewan S, Kriengsak T, **Jalayondeja C**, Sariyamon T. Overweight and obesity among primary schoolchildren: A comparison of Thai, IOTF and WHO growth references. SEAMEO. 2017; 48(4).
15. Hong SA, Karl P, **Jalayondeja C**. Parental misperception of child's weight and related factors within family norms. Eating and Weight Disorders - Studies on Anorexia, Bulimia and Obesity. 2017 doi: 10.1007/s40519-017-0399-4
16. **Jalayondeja C**, Jalayondeja W, Mekhora K, Bhuanantanondh P, Upiriyasakul R. Break in sedentary behavior reduces the risk of noncommunicable diseases and

- cardiometabolic risk factors among workers in a petroleum company. *Int. J. Environ. Res. Public Health* 2017; 14 (501). doi:10.3390/ijerph14050501
17. Chanpaibool M, **Jalayondeja C**, Jalayondeja W, Kaewkhuntee W. Hemodynamic Responses to 3-minute Step Test in Sedentary Office Workers: A Pilot Study. *HCU Journal* 2017; 20(40s):21-30.
 18. Choothong P, **Jalayondeja C**, Pichaiyongwongdee S, Bunprajun T. Daily walking steps and physical fitness in middle-aged and older adults in community dwellers. *HCU Journal* 2017; 20(40s):31-44.
 19. Meechoovent C, Jalayondeja W, **Jalayondeja C**, Apinonkul B. Neck Pain and Physical Fitness among Office Workers. *The Japanese Journal of Ergonomics*. 2017; 53(Suppl2): S446-S449. <http://doi.org/10.5100/jje.53.S446>
 20. Bandidcharoenlert P, Bhuanantanondh P, Jalayondeja W, **Jalayondeja C**. Sleepiness and Performance among Oil Rig Onshore Shift Workers in Thailand. *The Japanese Journal of Ergonomics* 2017; 53(Suppl2): S660-S663. <http://doi.org/10.5100/jje.53.S660>
 21. Wongwitwichote K, Jalayondeja W, Mekhora K, **Jalayondeja C**. Physical activity, sitting time and work-related musculoskeletal disorders in computer workers. *The Japanese Journal of Ergonomics*. 2017; 53(Suppl2): S450-S453.
 22. Khaengkun P, Bhuanantanondh P, Mekhora K, **Jalayondeja C**. Association between Subjective and Objective Assessment of Fatigue. *The Japanese Journal of Ergonomics*. 2017; 53(Suppl2): S652-S655 <http://doi.org/10.5100/jje.53.S652>
 23. Siriworakunsuk K, Mekhora K, **Jalayondeja C**, Bhuanantanondh P. Content Validity of Online Self-report Questionnaire on Computer Work Related Exposure (OSCWE). *The Japanese Journal of Ergonomics*. 2017; 53(Suppl2): S426-S429. <http://doi.org/10.5100/jje.53.S426>
 24. Pritivichakarn S, Nuntapornsak A, Bunprajun T, **Jalayondeja C**. Association between sedentary behavior, metabolic profiles and cognitive function in office workers. *The Japanese Journal of Ergonomics*. 2017; 53(Suppl2): S620-S623. <http://doi.org/10.5100/jje.53.S620>
 25. **Jalayondeja C**, Jalayondeja W, Suttiwong J, Sullivan P, L.H.K Nilanthi D. Physical activity, self-esteem and quality of life in people with physical disability. *Southeast Asian J Trop Med Public Health* 2016;47(3):546-59.
 26. Suttiwong J, **Jalayondeja C**. Determining cutoff score for independent walking ability in community-dwelling post stroke. *ACRM 2016* (abstract)
 27. Suppradist W, Hiengkaew V, **Jalayondeja C**. Association of Fugl-Meyer Assessment, Barthel Index and Stroke Impact Scale-16 in individual with chronic stroke living in community. *Naresuan University Journal: Science and Technology* 2016; 24(2): 80-87.
 28. Thongpradit A, Dusadi-Isariyavong A, Jongpaiboonkit A, Kim J, Jalayondeja W, Mekhora K, **Jalayondeja C**, Bhuanantanondh P, Upiriyasakul R. The Survey for Prevention of Work-Related Musculoskeletal Disorders among Workers Performing Manual Material Handling Work. *IPTC 2016*.

29. **Jalayondeja C**, Jalayondeja W, Vachalathiti R, Bovonsunthonchai S, Sakulsriprasert P, Kaewkhuntee W, et al. Cross-cultural adaptation of the compendium physical activity: Thai translation and content validity. *J Med Assoc Thai* 2015; 98(Suppl. 9): S53-S59.
30. Satjanitikun A, Pichaiyongwongdee S, **Jalayondeja C**. Correlation between weight transfer on paretic limb while standing in three directions and Fugl-Meyer assessment for lower extremities in individuals with stroke. *J Med Assoc Thai* 2015; 98(Suppl. 9): S1-S5.
31. Kansadub T, Thammaboosadee S, Kiattisin S, **Jalayondeja C**. Stroke risk prediction model based on demographic data. *BMEiCON-2015*.
32. Thanakamchokchai J, Tretriluxana J, **Jalayondeja C**, Narawut P. Immediate effects of low-frequency repetitive transcranial magnetic stimulation to augment task-specific training in sub-acute stroke. *J Med Tech Phy Ther* 2015; 20(1): 89-100.
33. **Jalayondeja C**, Sullivan PE, Pichaiyongwongdee S. Six-month prospective study of fall risk factors identification in person post stroke. *Geriatr Gerontol Int* 2014; 14(4): 778-85.
34. Prasomsri J, **Jalayondeja C**, Bovonsunthonchai S, Khemthong S. Walking and stair climbing abilities in individuals after chronic stroke with and without mental health problem. *J Med Assoc Thai* 2014; 97 (Suppl. 7): S10-S15.
35. Chantanachai T, Pichaiyongwongdee S, **Jalayondeja C**. Fall Prediction in Thai Elders with Timed Up and Go and Tandem Walk Test: a cross-sectional study. *J Med Assoc Thai* 2014; 97(Suppl.7): S21-S25.
36. Mekhora K, Jalayondeja W, **Jalayondeja C**, Bhuanantanondh P, Dusadi-isariyavong, Upiriyasakul R, Anuraktam K. Online self-report questionnaire on computer work-related exposure (OSCWE): validity and internal consistency. *J Med Assoc Thai* 2014; 97(Suppl.7): S80-S83.
37. Dusadi-Isariyayong A, Jalayondeja W, **Jalayondeja C**. A Survey on Computer Work-related Risk Factors for Musculoskeletal Complaints at the PTT Exploration and Production Public Company Limited (PTTEP). Society of Petroleum Engineers. <http://dx.doi.org/10.2118/168346-MS>
38. **Jalayondeja C**. Review article "Falls screening by Timed Up and Go (TUG)" *J Med Tech Phy Ther*. 2014; 26(1): 5-16.
39. **Jalayondeja C**, Jalayondeja W. Leisure, household and work-related activities measured by physical activity scale for person with physical disability (PASIPD). *Journal of Physical Therapy Association*. 2013; 35(3): 127-40.
40. Deepika L, Fungladda W, Kaewkungwal J, **Jalayondeja C**, Tornee S. Quality of life of physical disabled adults in vocational school Pattaya, Thailand. *UNESCAP* 2012.
41. **Jalayondeja C**, Kaewkungwal J, Sullivan PE, Nidhinandana S, Pichaiyongwongdee S, Jareinpituk S. Factors related to community participation

by stroke victims six month post-stroke. Southeast Asian J Trop Med Public Health 2011; 42(4): 1005-13.

42. **Wanitchayakonkun C**, Akamaon C, Pichaiyongwongdee S. Comparison of standing balance performance between hemiparetic patients and healthy elderly. Thai Journal of Physical Therapy 2001; 23(3): 1-13.

Presentations

1. **Jalayondeja C**, Jalayondeja W, Vachalathiti R. Using Thai Physical Activity Guideline (TPAG) for PA promotion in Thais. 6th International Congress on Physical Activity and Public Health (ISPAH), 16-19 November, 2016. Bangkok, Thailand.
2. **Jalayondeja C**, Jalayondeja W, Vachalathiti R, Bovonsunthonchai S, Sakulsriprasert P, Kaewkhuntee W, et al. Physical activity promotion by Thai physical activity guideline (TPAG). National Conference on Physical Activity (NCPA), 17-18 November, 2015, Queen Sirikit National Convention Center, Bangkok, Thailand.
3. Hong SA, **Jalayondeja C**, Peltzer K, Sriburappapirom C, Thamma-aphiphol K, Tiraphat S. Is parent involvement related to children's healthy eating and physical activity in Thai children? National Conference on Physical Activity (NCPA), 17-18 November, 2015, Queen Sirikit National Convention Center, Bangkok, Thailand.
4. Wichaidit P, **Jalayondeja C**, Jalayondeja W, Pongurgorn C, Kaewkhuntee W. Physical activity measured by accelerometer in individual with chronic stroke. National Conference on Physical Activity (NCPA), 17-18 November, 2015, Queen Sirikit National Convention Center, Bangkok, Thailand.
5. Nanbancha W, **Jalayondeja C**, Jalayondeja W, Pongurgorn C, Bunprajun T. Number of step predicts physical fitness in elderly. National Conference on Physical Activity (NCPA), 17-18 November, 2015, Queen Sirikit National Convention Center, Bangkok, Thailand.
6. Mokkhawaet R, **Jalayondeja C**, Jalayondeja W, Pongurgorn C. Personal risk factor and osteoarthritis of the knee in Samutprakarn province, Thailand. International Conference on Management Science, Innovation, and Technology 2014. Faculty of Management Science, 22nd -23rd August, 2014, Suan Sunandha Rajabhat University, Bangkok, Thailand
7. Dusadi-Isariyayong A, Jalayondeja W, **Jalayondeja C**. A Survey on Computer Work-related Risk Factors for Musculoskeletal Complaints at the PTT Exploration and Production Public Company Limited (PTTEP). The SPE International Conference on Health, Safety, and Environment, Long Beach, California, USA, 17-19 March, 2014. (oral presentation)
8. Prasomsri J, **Jalayondeja C**, Bovonsunthonchai S, Khemthong S. Effect of stress, anxiety and depression on functional recovery in individuals with stroke. The 2nd ASEAN Plus Three Graduate Research Congress (2nd AGRC) at Sukhumvit Hotel, Thailand on February 5-7, 2014. (poster presentation)

9. Thanakamchokchai J, Tretriluxana J, **Jalayondeja C**, Pakaprot N. Immediate-effects of low-frequency repetitive transcranial magnetic stimulation with task-specific-practice in individuals with subacute-stroke: a pilot study. WCPT-AWP&ACPT Congress,2013 at Taichung, Taiwan on September 5-9, 2013 (oral presentation).
10. Prasomsri J, **Jalayondeja C**, Bovonsunthonchai S, Khemthong S. Physiological Response by stress-stimulated protocol of the Nexus 10 Mark II: a case study. Physical Therapy Research Symposium at Faculty of Physical Therapy, Mahidol University on August 7, 2013 (oral presentation).
11. **Jalayondeja C**, Kaewkungwal J, Sullivan PE, Nidhinandana S, Pichaiyongwongdee S, Jareinpituk S. Factors Influencing Functional Recovery in Persons Six Months Post Stroke: A Prospective Cohort Study. Asian Physical Therapy Research Symposium 5 to 7 September 2012 (poster presentation).
12. Deepika L, Fungladda W, Kaewkungwal J, **Jalayondeja C**, Tornee S. Quality of life of physical disabled adults in vocational school Pattaya, Thailand. UNESCAP conference on 'Disability-inclusive MDG's and Aid Effectiveness' 14 to 16 March 2012 (oral presentation).
13. **Wanitchayakonkun C**, Akamaon C, Pichaiyongwongdee S. Comparison of standing balance performance between hemiparetic patients and healthy elderly. Open House 1999 at Rangsit University, Thailand (oral presentation).
14. **Wanitchayakonkun C**, Akamaon C, Pichaiyongwongdee S. Comparison of standing balance performance between hemiparetic patients and healthy elderly. Siriraj Medical Conference in 1999 at Siriraj Hospital, Mahidol University Thailand (oral presentation).

Textbooks and book chapters

1. **Jalayondeja C**, Jalayondeja W, Bovonsunthonchai S, Kaewkhuntee W, Bunprajun T. Thai Physical Activity Guideline (TPAG): a manual of physical activity promotion in community. 1st edition. Printery-Company Limited. Bangkok Thailand 2015.
2. Suwande P, Mekhora K, **Jalayondeja C**, Bhuanantanondh P. New Ergonomics Perspective Selected papers of the 10th Pan-Pacific Conference on Ergonomics, Tokyo, Japan, 25-28 August 2014: Chapter 11. Self-screening test for upper extremity musculoskeletal disorders in computer users. CRC Press. Japan 2015.
3. Jalayondeja W, Chaipiyapon N, **Wanitchayakonkun C**. Guideline for exercise prescription in individual with physical disability. Department of Health. Ministry of Public Health, Thailand. 2003.