มหาวิทยาลัยศรีนครินทรวิโรฒ

คณะกายภาพบำบัด

ประวัติและผลงานอาจารย์

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การศึกษา

ปีที่จบ	สถาบัน/ประเทศ	วุฒิการศึกษา
2015	Khon Kaen University, Thailand	B.Sc. (Physical Therapy), First class honors
2020	Khon Kaen University, Thailand	Ph.D. (Human movement sciences)

ความเชี่ยวชาญ

- Motion and Gait analysis
- Psychometric properties of the tools: Validity and Reliability
- Rehabilitation strategy in patients with neurological conditions
- Application of Feedback in Rehabilitation Practice

ผลงานวิจัย

1. ผลงานตีพิมพ์ระดับนานาชาติ

1.1 **Nithiatthawanon T**, Sultanmusahudeen N, Poungsan K, Puisalee T, Chukoed S, Intakanlaya S, Suwannarat A, Amatachaya S. Reliability of novice assessors for measuring spatiotemporal gait parameters using Kinovea program in healthy individuals. SJST. 2026. [Article in Press]

1.2 Chanata T, Amatachaya S, **Nithiatthawanon T**, Wannapakhe J, Chanwised W, Wiyanad A, Thaweewanakij T, Namwong W. Immediate Effects of Walking Training With Elastic Ankle Support Devices on Walking and Mobility of Ambulatory Individuals With Stroke. Ann Rehabil Med. 2026; 50(4) :278-89.

Update on 09/2026

1.3 **Nithiatthawanon T**, Saenkap P, Arnthong S, Satheanpong J, Kumjai A, Phantachang P, Chaikeeree N, Boonsinsukh R. Concurrent validity and accuracy of wrist-wearable devices to track heart rate during exercise in sedentary individuals. *Journal of Associated Medical Sciences*. 2025; 58(1): 160-6.

1.4 **Nithiatthawanon T**, Teesintanakorn A, Sanjai C, Hengchanoknun K, Saikaew N, Simarattanamongkhon S, Chaikeeree N and Boonsinsukh R. Concurrent validity of two-dimensional motion analysis using Kinovea for measuring spatiotemporal gait parameters in healthy individuals. *Arch AHS*. 2024; 36(3): 21-30.

1.5 Amatachaya S, **Nithiatthawanon T**, Amatachaya P, Thaweewannakij T. Effects of four-week lower limb loading training with and without augmented feedback on mobility, walking device use, and falls among ambulatory individuals with spinal cord injury: a randomized controlled trial. *Disabil Rehabil*. 2023; 45(26): 4431-9. doi: 10.1080/09638288.2022.2152502.

1.6 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Manimanakorn N, Thaweewannakij T. The use of lower limb loading ability as an indicator for independence and safety in ambulatory individuals with spinal cord injury. *Eur J Phys Rehabil Med.* 2021; 57: 85-91.

1.7 **Nithiatthawanon T**, Amatachaya P, Thaweewannakij T, Manimmanakorn N, Sooknuan T, Amatachaya S. Immediate effects of lower limb loading exercise during stepping with and without augmented loading feedback on mobility of ambulatory individuals with spinal cord injury: a single-blinded, randomized, cross-over trial. *Spinal Cord*. 2020; 58: 1301-9.

1.8 Janyacharoen T, Sirijariyawat K, **Nithiatthawanon T**, Pamorn P, Sawanyawisuth K. The effects of meditation on physical performances and quality of life in healthy elderly subjects. *J Clin Gerontol Geriatr*. 2018; 9: 67-71.

1.9 Janyacharoen T, Sirijariyawat K, **Nithiatthawanon T**, Pamorn P, Sawanyawisuth K. Modified stepping exercise improves physical performances and quality of life in healthy elderly subjects. *J Sports Med Phys Fitness*. 2017; 57: 1344-8.

2 ผลงานตีพิมพ์ระดับชาติ

2.1 **Nithiatthawanon T**. Influence of intrinsic factors and rehabilitation strategies on walking ability in patients with spinal cord injury. J Med Health Sci. 2025; 32(1): 186-203.

2.2 Saiklang P, Phanthaso K, Tangnamprasert P, Chantarujikapong M, Tepsiri S, Sapong T, Poonsawad R, **Nithiatthawanon T**, and Tupsila R. The Effect of Lumbar Stabilization Exercises with the Abdominal Drawing-In Maneuver via Telerehabilitation on Lumbar Position Sense in Seated Sedentary Workers with Chronic Low Back Pain and Lumbar Instability: A Pilot Study. *Thai J Phys Ther.* 2024; 46(3): 141-56. [IN THAI]

2.3 **Nithiatthawanon T**, Chaikeeree N, Boonsinsukh R. Concurrent validity and accuracy of arm-wearable devices to detect heart rate during exercise: A systematic review. *J Med Health Sci.* 2023; 30: 80-103. [IN THAI]

2.4 **Nithiatthawanon T**, Amatachaya S. Application of Feedback in Rehabilitation Practice for Patients with Neurological Conditions. *J Thai Rehabil Med*. 2017; 27(3): 82-7.

3 การนำเสนอผลงานทางวิชาการ

3.1 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Manimanakorn N, Thaweewannakij T, Mato L. External feedback is neccesary for lower limb functions and mobility in ambulatory individuals with spinal cord injury who had high lesion severity (oral presentation). *ICDRT 2020: International Conference on Developments in Rehabilitation Technologies.* Oslo, Norway. (June 25 - 26, 2020; International conference)

3.2 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Manimanakorn N, Thaweewannakij T. Immediate effects of stepping training with or without external feedback on functional ability in ambulatory patients with spinal cord injury – a pilot cross-over study (oral presentation). *PTAT Conference 2019*. Ambassador Hotel Bangkok, Bangkok, Thailand. (June 12-14, 2019)

3.3 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Manimmanakorn N, Mato L, Thaweewannakij T. Lower limb support ability and its importance to walking

and safety in ambulatory patients with spinal cord injury (oral presentation). *RGJ-Ph.D. CONGRESS 19: INNOVATION CHALLENGES TOWARD THAILAND 4.0*. Jomtien Palm Beach Hotel & Resort, Pattaya, Thailand. (June 7–9, 2018; International conference)

3.4 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Thaweewannakij T, Manimmanakorn N, Mato L. Lower Limb Support Ability and Its Correlation to Walking in Ambulatory Patients with Spinal Cord Injury (oral presentation). *The 16th ASCoN conference and workshop.* UNISERV Building, Chiang Mai, Thailand. (December 6-10, 2017; International conference)

3.5 **Nithiatthawanon T**, Amatachaya S, Amatachaya P, Manimanakorn N, Thaweewannakij T, Mato L. Importance of lower limb support ability during stepping in ambulatory patients with spinal cord injury (oral presentation). *The 5th Singapore rehabilitation conference 2017.* Singapore. (September 7-8, 2017; International conference)