

PIRUNRAT SAE-LIM

Gender : Female
Age : 32
Date of Birth : August 16th, 1988
Marital status : Single
Nationality : Thai
Religion : Buddhism
Health : Good health

CONTACTS



18 Soi 2, Niphat-uthid 3 Road, Hat Yai, Songkhla 90110

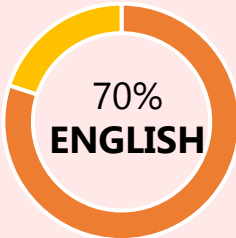
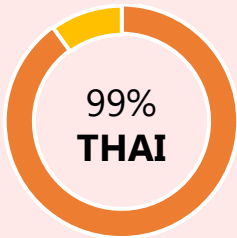


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(+66) 99-264-4174

LANGUAGES



TOEFL: 510

SKILLS



EDUCATIONS

JUN 2013 – DEC 2018

Prince of Songkla University
Doctor of Philosophy (Pharmaceutical Sciences)
GPA: 3.75

JUN 2007 – MAR 2011

Prince of Songkla University
Bachelor of Science (Traditional Thai Medicine)
Second class honors
GPA: 3.53

APR 2004 – MAR 2007

Hatyairatprachasun School
Upper secondary school certificate in
Science and Mathematics



GPA: 3.67

PRACTICE & WORK EXPERIENCES

Feb 2020 – Present

Faculty of Health and Sport Science,
Department of Traditional Thai Medicine,
Thaksin University, Phatthalung Campus

APR 2018 – AUG 2018

Department of Biochemistry, Faculty of Science,
Kasetsart University

DEC 2016 – JUN 2017

Department of Pharmacognosy, Graduate
School of Biomedical & Health Sciences,
Hiroshima Hospital University

JUN 2013 – DEC 2018

PPBEC, Prince of Songkla University

MAR 2011 – MAY 2013

Traditional Thai Medicine Hospital,
Prince of Songkla University

MAR 2010– MAY 2010

Prakhon Chai Hospital, Internship

MAR 2009 – MAY 2009

Tharongchang Hospital, Internship



SEP 2012

Certification in Spa Manager License

MAY 2011

License of practitioners of Thai traditional medicine (Thai medical treatment)
License of practitioners of Thai traditional medicine (Thai pharmacy)

NOV 2010

License of practitioners of Thai traditional medicine (Thai massage)

NOV 2009

License of practitioners of Thai traditional medicine (Thai midwifery)



SPECIAL QUALIFICATIONS

Pharmacognosy and Natural Product Chemistry Skills

Antimicrobial activity of Thai medicinal plants, bioassay-guided isolation of the active compound using green extraction techniques, establishment of HPLC quantitative analysis method for standardization of the herbal extracts, preparation of active compound rich herbal extracts, and basic isolation and structure elucidation (LC-MS)

Protein Skills

Protein purification, FPLC, HPLC (affinity, gel filtration, ion exchange and reverse phase), preparative column chromatography, membrane filtration, dialysis, SDS-PAGE, Western blot, bacterial protein expression, protein refolding, mammalian cell protein expression, protein overexpression, analysis and quantification, purification and analysis of plasmid DNA (mini-preps, agarose gel electrophoresis, restriction digests, making plates), drug design, molecular docking and kinase assay


Cell Biology Skills

Cell counting, fluorescent microscopy, mammalian cell proliferation assay, cell culture, cell cytotoxicity, migration and apoptosis assay

Other Laboratory and Field Skills

Knowledge of lab techniques including Leishmanicidal, Nematicide, bactericidal, DPPH inhibitor, AChE inhibitor, Melanogenesis inhibitor, NO inhibitor, alpha glucosidase inhibitor, lipase inhibitor, fat accumulation.

Clinical Skills

 Excellent skills in diagnosis and using Thai herbs for treatment of skin diseases, gynecology disease, respiratory disease, muscle disease and digestive diseases

 Excellent skills in the production of herbal medicines



EXTRACURRICULAR ACTIVITIES

2018

- ✓ Participated and exhibited in 46th International Exhibition of Inventions Geneva held in Switzerland.
- ✓ Participated and exhibited in Thailand Innovation Hubs 4.0S, royal paragon hall, Bangkok.

2017

- ✓ Participated and exhibited in MED FAIR 2017, Central Festival, HatYai.
- ✓ Participated and exhibited in PSU Open House 2017, the 60th Anniversary of His Majesty the King's Accession to the Throne International Convention Center, HatYai.
- ✓ Participated and exhibited in Memorandum of Understanding (MOU) Signing Ceremony between Department of Thai Traditional and Alternative Medicine and, The Thailand Research Fund (TRF).

2016

- ✓ Participated and exhibited in Thailand Tech Show 2016, Central Festival, HatYai.
- ✓ Participated and exhibited in the 4th current drug development international conference, Phuket.

2012

- ✓ Participated in Natural 9th National Herb Expo 2012 and Traditional Thai and internationally approved medical practice conference of 2012.
- ✓ Organization midwifery program cooperates with HatYai hospital.
- ✓ Organized and participated in Thai traditional medicine services in Community.

2011

- ✓ Organized and participated in exhibition of traditional Thai medicine education at office of the Permanent Secretary Ministry of Public Health, Ministry of Public Health.
- ✓ Organized and participated in Medical Technology Camp.
- ✓ Participated in Natural Product Meeting of 2011.

2007-2011

- ✓ Organized an exhibition of traditional Thai medicine education, PSU Open Week, HatYai campus.
- ✓ Participated in Mahidol Camp public health service, exhibition of traditional Thai medicine.
- ✓ Participated in traditional Thai medicine to public health program, PSU Open Week, health service and physical examination.
- ✓ Organized and participated in Medical Technology Camp.
- ✓ Organized and participated in Thai traditional medicine services in Community.



PUBLICATIONS

Pirunrat Sae-Lim, Supaphorn Seetaha, Lueacha Tabtimmaic, Prapasiri Suphakun, Duangnapa Kiriwan, Pharkphoom Panichayupakarananta, Kiattawee Choowongkomon. Chamuangone from *Garcinia cowa* leaves inhibits cell proliferation and migration and induces cell apoptosis in human cervical cancer in vitro. J Pharm Pharmacol 2020;72:470-80.

Pirunrat Sae-Lim, Supreeya Yuenyongsawad, Pharkphoom Panichayupakaranant. Chamuangone-enriched *Garcinia cowa* leaf extract with rice bran oil: Extraction and cytotoxic activity against cancer cells. Pharmacogn Mag 2019;15:183-8.

Kuning S, **Saelim P**, Manee S, Boonpormee J, Jaisamut P, Neamsuvan O. A survey on traditional knowledge of herbal utilization recorded in bood khao books belonging to Mr. Wong Pimthatong, A traditional healer, ban ta khun district, Surat Thani province. Thai Pharm Health Sci J 2012;7:61-6.



CONFERENCES & PROCEEDINGS

Sae-Lim P, Yuenyongsawad S, Panichayupakaranant P. Anticancer Activity and Stability of Chamuangone-Rich *Garcinia cowa* Leaves Extract Using Green Extraction Concept. The 6th Current Drug Development International Conference; 2020 Sep 10-12; Songkhla, Thailand. (Full proceeding, oral presentation)

Panichayupakaranant P, **Sae-Lim P**, Yuenyongsawad S. A nutraceutical for cancer prevention made from chamuangone extract with rice bran oil. The 10th International Warsaw Invention Show; 2016 Oct 10-12; Warsaw, Poland. (Poster presentation)

Sae-Lim P, Panichayupakaranant P. Green extraction method for *Garcinia cowa* leaf extracts containing chamuangone. The 4th Current Drug Development International Conference; 2016 Jun 1-3; Phuket, Thailand. (Full proceeding, poster presentation)

Sae-Lim P, Panichayupakaranant P. Preparation of chamuangone rich *Garcinia cowa* leaf extract in vegetable oils. The 113th TRF Seminar Series in Basic Research "From Basic Research to Applications"; 2015 Sep 25; Songkhla, Thailand. (Abstract, poster presentation)



PATENTS

ภาคภูมิ พาณิชยูปการนันท์ และพิรุณรัตน์ แซ่ลิ่ม. สิทธิบัตรเรื่อง กรรมวิธีการเตรียมสารสกัด ใบชะมวงที่มีสารชะมวงไอออน. เลขที่ประกาศโฆษณา 159380 ลงวันที่ 19 มกราคม 2560.
ภาคภูมิ พาณิชยูปการนันท์ และพิรุณรัตน์ แซ่ลิ่ม. อนุสิทธิบัตรเรื่อง กรรมวิธีการเตรียมสารสกัด ชะมวงไอออนจากใบชะมวง. เลขที่อนุสิทธิบัตร 15245 ลงวันที่ 31 พฤษภาคม 2562.



RESEARCH PROJECTS

2018-2019

Chamuangone from *Garcinia cowa* leaves inhibits cell proliferation and migration, and induces cell apoptosis in human cervical cancer in vitro

2013-2018

Preparation of chamuangone rich *Garcinia cowa* leaf extracts (CGEs) and determination of their anticancer activity

2012

An Adaptation of Traditional Thai Medicine manuscript into current Thai: A Case Study of "White Bud" in Pattani, Yala and Narathiwat Provinces

2011

A Survey on Traditional Knowledge of Herbal Utilization Recorded in Bood Khao Books Belonging to Mr. Wong Pimthatong, A Traditional Healer, Ban Ta Khun District, Surat Thani Province.



AWARDS & ACHIEVEMENTS

- 1. Gold medal:** 10th International Warsaw Invention Show (IWIS 2016) held in the republic of Poland. "A nutraceutical for cancer prevention made from chamuangone extract with rice bran oil", 2016 Oct 10-12.
- 2. Special Award** from Taiwan International Invention Award Winners Association: 10th International Warsaw Invention Show (IWIS 2016) held in the Republic of Poland. "A nutraceutical for cancer prevention made from chamuangone extract with rice bran oil", 2016 Oct 10-12.
- 3. Special Award** (on stage) from Malaysian Research & Innovation Society: 10th International Warsaw Invention Show (IWIS 2016) held in the Republic of Poland. "A nutraceutical for cancer prevention made from chamuangone extract with rice bran oil", 2016 Oct 10-12.
- 4. Silver medal:** 46th International Exhibition of Inventions Geneva held in Switzerland. "Green extraction methods for chamuangone extracts", 2018 Apr 11-15.
- 5. Awarded for the Excellent Thesis 2018:** Event for new graduate students. "Preparation of chamuangone-rich *Garcinia cowa* leaf extracts (CGES) and determination of their anticancer activity", 2019 Aug 2.



FUNDS

2013-2018

The Royal Golden Jubilee (RGJ) Ph.D. Programme, The Thailand Research Fund (TRF)

2011-2012

Faculty of Traditional Thai Medicine Scholarship, Prince of Songkhla University