



บันทึกข้อความ

คณะวิศวกรรมศาสตร์	
มหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย	
เลขรับ	3009
วันที่	23-05-2566
เวลา	14.48 น.

ส่วนราชการ...งานวิเทศสัมพันธ์ สำนักงานอธิการบดี โทรศัพท ๐-๗๕๓๑-๗๑๕๒, ๐-๗๕๓๑-๗๑๕๑
ที่...อว.๐๖๕๕.๐๑/๘๒๗ วันที่ ๒๓ พฤษภาคม ๒๕๖๖
เรื่อง ขอความร่วมมือในการประชาสัมพันธ์ WU online newsletter

เรียน หัวหน้าหน่วยงานในสังกัดมหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย

ด้วย มหาวิทยาลัยวลัยลักษณ์ ได้ส่งหนังสือประชาสัมพันธ์ WU online newsletter ประจำเดือน เมษายน ในหัวข้อเรื่อง “WU International Connect” โดยนำเสนอในเรื่องการสอน การวิจัย แนวน้อม ระหว่างประเทศ และความร่วมมือ นั้น

ในการนี้ งานวิเทศสัมพันธ์จึงขอความอนุเคราะห์หน่วยงานของท่านประชาสัมพันธ์ ให้แก่ผู้ที่สนใจทราบโดยทั่วกัน โดยสามารถดูรายละเอียดเพิ่มเติมได้ที่ <http://cia.wu.ac.th/wu-international-connect/> ตามเอกสารดั่งแนบ

จึงเรียนมาเพื่อโปรดพิจารณา

(นางสาวณัฐวดี เทวมิตร)

เจ้าหน้าที่บริหารงานทั่วไป ปฏิบัติการ

รักษาราชการแทน ผู้อำนวยการสำนักงานอธิการบดี

เรียน คณบดี

-เพื่อโปรดพิจารณา

สำนักงานอธิการบดี ขอความร่วมมือในการประชาสัมพันธ์ WU online newsletter

-เห็นควรมอบงานวิเทศฯ ดำเนินการประชาสัมพันธ์

24/5/2566

24 พ.ค. 66

24 พ.ค. 66

อ.ณัฐวดี เทวมิตร
ตำแหน่งอธิการบดี

อ.ณัฐวดี
รักษาการคณบดีคณะวิศวกรรมศาสตร์
25 ม.ค. 66

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- เรียน คณบดีคณะศิลปศาสตร์
- เรียน คณบดีคณะสถาปัตยกรรมศาสตร์
- เรียน คณบดีคณะบริหารธุรกิจ
- เรียน คณบดีคณะครุศาสตร์อุตสาหกรรมและเทคโนโลยี
- เรียน คณบดีคณะเกษตรศาสตร์
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- เรียน คณบดีคณะสัตวแพทยศาสตร์
- เรียน คณบดีคณะวิทยาศาสตร์และเทคโนโลยี
- เรียน คณบดีคณะเทคโนโลยีการจัดการ
- เรียน คณบดีคณะวิทยาศาสตร์และเทคโนโลยีการประมง
- เรียน คณบดีคณะวิศวกรรมศาสตร์และเทคโนโลยี
- เรียน ผู้อำนวยการวิทยาลัยรัตภูมิ
- เรียน ผู้อำนวยการวิทยาลัยเทคโนโลยีอุตสาหกรรมและการจัดการ
- เรียน ผู้อำนวยการวิทยาลัยการโรงแรมและการท่องเที่ยว



มหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย
1834
เลขรับ
วันที่ 08/05/2566
เวลา14.44 น.

<pitsamai.c@rmutsv.ac.th>

April 2023 Newsletter: WU International Connect

1 ข้อความ

CIA WU <interaffairs.wu@gmail.com>

28 เมษายน 2566 เวลา 14:07

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สอ. 1511

8 พ.ค.66

15.05 น.

สอ.(วิชาการ) 949

15 พ.ค. 2566

10.17 น.

Dear Colleagues and Friends,

Greetings from [Walailak University \(WU\)](#), Thailand:

We are pleased to share with our honorable international colleagues WU monthly online newsletters, entitled "WU International Connect," showcasing highlights in the following 5 domains: current publication, research, teaching, international outlook, and industrial collaboration. With this email, please find our April issue in the link

<http://online.anyflip.com/wvpqb/nhbh/>

We would greatly appreciate it if you could share the link to your colleagues and partner universities. We would also be happy to support your international outlook. Please kindly share great stories on your end to us via this email (interaffairs.wu@gmail.com) and we will post them on "WU International Connect."

We send you our warm regards, best wishes for your great health and well-being and until next month.

Sincerely yours,

เรียน อธิการบดี มทร.ศรีวิชัย



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มหาวิทยาลัยวลัยลักษณ์ประชาสัมพันธ์ WU monthly online newsletter ประจำเดือน
เมษายน ในหัวข้อเรื่อง "WU International Connect" โดยนำเสนอในเรื่องการสอน การวิจัย
แนวโน้มระหว่างประเทศ และความร่วมมือ ทั้งนี้สามารถอ่านรายละเอียดเพิ่มเติมได้ที่
<http://online.anyflip.com/wvpqb/nhbh/>

จึงเรียนมาเพื่อโปรดพิจารณามอบงานวิเทศสัมพันธ์ ประชาสัมพันธ์ไปยังคณะ/วิทยาลัย

เรียน อธิการบดี

เพื่อโปรดพิจารณาเห็นความมอบงาน
วิเทศสัมพันธ์ ประชาสัมพันธ์ แจ่งคณะ /
วิทยาลัย

12 พ.ค.66

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๑๒ พ.ค. ๒๕๖๖ (๑๖.๐๒ น.)

(ผู้ช่วยศาสตราจารย์สุเทพ ชุกกลิ่น)

รองอธิการบดี รักษาการแทน

อธิการบดีมหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย



มหาวิทยาลัยวลัยลักษณ์
WALAILAK UNIVERSITY

WU

INTERNATIONAL CONNECT

April 2023



Happy Songkran Festival and

Happy Thai New Year!

**WU wishes you and your family great
happiness and joy throughout the year.**



WWW.WU.AC.TH





WALAILAK UNIVERSITY'S VISION

To be an institution of good governance, a source of knowledge for critical problems facing the nation, to unfailingly address community needs, and to strive for international recognition for excellence.

MISSIONS

Walailak University aims to discover, seek, maintain and disseminate knowledge and academic excellence for the progress of society. At the heart of its obligation is to develop individuals who are both professionally-proficient and morally strong.

The University's Four Commitments:

- 1.To lead high level training of students based on world standards, consistent with socio-economic development of the South of Thailand and Thailand as a whole;**
- 2.To conduct studies, research in order to develop new knowledge that can be of benefit to national productivity, and can help enhance international competitiveness of Thailand;**
- 3.To provide and share expertise and technical services to organizations, both private and government sectors, including research and training and technological transfer in areas that can help develop the region and country;**
- 4.To act as a center for the conservation and restoration of art and culture.**

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HIGHLIGHT

Walailak Research Convention 2023 Explores Challenges and Opportunities in Higher Education

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Current Q1 Publication in April 2023

TEACHING

SLA English Program Student Passing through Regional-Round CWIE Presentation 2023 With Outstanding Award and Ready for the National

RESEARCH

Walailak University's Informatics Innovation Center of Excellence (IICE) and School of Informatics recently hosted an international conference on Informatics Education in Disruptive Era

INTERNATIONAL COLLABORATION & OUTLOOK

Walailak University Organizes International Conference Celebrating UNESCO-Recognized Nora as Intangible Cultural Heritage



Highlight

Walailak Research Convention 2023 Explores Challenges and Opportunities in Higher Education



Walailak University recently celebrated its 31st anniversary by hosting Walailak Research Convention 2023, a hybrid event focusing on Higher Education in the Disruptive Era, from 28 - 29 March 2023. Researchers and academics from 19 different countries participated in the event.

The panel discussion was moderated by Associate Professor Dr. Surin Maisrikrod, Vice President of Walailak University, and featured distinguished Professor Yuen, Peter Pok-man from Hong Kong Polytechnic University, Professor Lance Chun Che Fung from Murdoch University in Australia, and Professor Dr. Wu-Yuin Hwang from National Central University in Taiwan.

In today's disruptive era, with technology causing significant changes in society, educators need to adopt more interdisciplinary approaches to education and create more content related to Artificial Intelligence (AI), blockchain, cloud computing, data science, and metaverse technology. Soft skills such as communication, logical thinking, and complex problem solving need to be enhanced. Learners need to focus more on building skills that AI is not good at, such as inspirational, creative, artistic, empathy, tolerance, and altruism. More details: <https://www.wu.ac.th/en/news/22604/>



CURRENT PUBLICATOINS



Title: Autonomous learning and the use of digital technologies in online English classrooms in higher education

Abstract

This study investigated to what degree students can be autonomous in EFL classroom by deploying different digital technologies, including Google Form, Quizizz, Quizlet, Kahoot!, and Socrative, and the efficacy of these tools in online English classrooms. Utilizing a quasi-experimental research design, a sample of 48 first-year railway mechanical technology students from an Indonesian polytechnic was used and assigned to control and experimental groups. Data was gathered through a survey questionnaire and two tests (pre- and post-test), and was analyzed using descriptive statistics, the N-gain formula, the paired-sample t-test and ANCOVA. The results revealed learner autonomy in listening, structure, and reading skills, encompassing self-reliance, information literacy, linguistic confidence, and learning strategy. Digital classes incorporating Google Form, Quizizz, Quizlet, Kahoot!, and Socrative were more effective than traditional classes in terms of learning outcomes. Therefore, this study proposed a learning model utilizing digital technologies and autonomous learning concepts to improve students' learning outcomes.

For more information





Title: AdS to dS phase transition mediated by thermalon in Einstein-Gauss-Bonnet gravity from Rényi statistics

Assoc. Prof. Dr. Phongpichit Channuie

Abstract

In this work, we present the possible existence of a thermalon phase transition between anti-de Sitter (AdS) to de Sitter (dS) vacua in Einstein-Gauss-Bonnet gravity by considering the Rényi statistics. A thermalon changes the asymptotic structure of spacetimes via the bubble nucleation of spherical thin-shells which host a black hole in the interior. All relevant thermodynamical quantities are computed in terms of the Rényi statistics in order to demonstrate the possible existence of the AdS to dS phase transition. In addition, we also comment on the behaviors of the phase transitions in the Rényi statistics.

For more information





Title: Optimal drug-dosing of cancer dynamics with fuzzy reinforcement learning and discontinuous reward function

Abstract

In this paper, a reinforcement learning-based optimal control is developed for the drug administration of biological phenomena in chemotherapy cancer treatment. The treatment is considered as a class of unknown discrete-time systems when the input: drug administration and the output: tumor cells population are only utilized to design the proposed controller. Resulting, a full-state observer is completely neglected. The controller is established by the actor-critic architecture containing two fuzzy-rules emulated networks when IF-THEN rules are imposed by human knowledge according to pharmacokinetic and pharmacodynamic behavior. Furthermore, the discontinuous reward function is proposed to derive the online learning laws that guarantee the robustness and the convergence of adjustable parameters. The validation results are conducted by numerical systems according to the robustness of the group of patients and the closed-loop performance altogether with comparative results.

For more information





Assoc. Prof. Dr. Krisanadej
Jaroensutasinee



Assoc. Prof. Dr. Mullica
Jaroensutasinee



For more information

Title: Climatic Factor Differences and Mangosteen Fruit Quality between On- and Off-Season Productions

Abstract

The objective of this study was to investigate the differences in climatic factors and fruit quality between on- and off-season production periods. Climate, soil, and mangosteen measurements were all studied during on- and off-season production. We chose 40 mangosteen trees and observed flowering and fruit set rates over two production periods. The results showed that the number of flowers per branch, the number of fruits per branch, the circumference of fruits, and the fruit weight were higher during the on-season mangosteen production period than during the off-season mangosteen production period. However, the number of edible pulp segments, peel thickness, percentage of translucent flesh, and fruit gumminess were lower in the on-season mangosteen production period than in the off-season mangosteen production period. The percentage of fruit scars did not differ between the on- and off-season mangosteen production periods. When compared to the on-season mangosteen production period, there was lower relative humidity, soil moisture at 120 cm depth, and leaf wetness at 15 cm above ground during the off-season mangosteen production period; however, there was higher air temperature, soil moisture, and soil temperature at all four depth levels.



**Assoc. Prof. Dr. Narumol
Matan**



**Asst. Prof. Dr. Sumethee
Songsamoe**

Title: Controlled release of *Michelia alba* oil vapour from plastic sachets to control the growth of *Aspergillus flavus* on brown rice and its possible mode of action

Abstract

This study aimed to create antifungal volatile-releasing sachets, from various commercially available synthetics (Tyvek®; high density polyethylene; HDPE, polypropylene/polyethylene; PP/PE and polyamide/polyethylene; PA/PE) and bio-based plastic sachet materials (Polylactic acid; PLA and cellophane), containing *Michelia alba* (MA) essential oil to be used against *A. flavus* on malt extract agar (MEA) and brown rice. In addition, the bioactive compounds (total phenolic content and total flavonoid content) and antioxidant activity (DPPH, ABTS, and FRAP) of brown rice after treatment by the active sachets were examined. Results indicated that different sachet materials affected the release of the linalool and caryophyllene as antifungal volatiles. Tyvek® and PP/PE had a suitable permeability for controlling the release of the volatiles, which could be matched with the maximum concentration within 48 h, whereas PA/PE, PLA and cellophane had lower permeability. The antifungal volatiles released from Tyvek® and PP/PE sachets containing MA essential oil at 300 µl could completely inhibit the growth of *A. flavus* on MEA and brown rice for at least 20 days using accelerated conditions at 25 °C and 80%RH.

For more information





Title: Comparison of the efficacy between game-based learning and pamphlet on enhancing recognition of common cutaneous malignancies in Thai younger adults

Abstract

Cutaneous malignancy is one of the leading causes of cancer-related morbidities and mortalities. Patient self-screening is helpful for early detection. Among educational pedagogies, game-based learning (GBL) has received increasing attention in recent years. We appraised the effectiveness of GBL, using Wordwall, to enhance cognitive performances pertaining to fundamental knowledge of cutaneous malignancies and perspectives on the intervention compared with a digital pamphlet. This multi-center study utilized a quasi-experimental research design and was conducted between February and April 2022. Participants were recruited and randomly assigned into a game group and a pamphlet group with a 1:1 ratio. Fundamental knowledge of cutaneous malignancies was assessed with pre- and post-intervention tests consisting of ten multiple choice questions with four alternative answers. These tests asked about prominent or pathognomonic features of cutaneous malignancies. During the five-day intervention period, recognition scores of participants in the game group were recorded. Perspectives on the interventions were also collected for analysis.

For more information

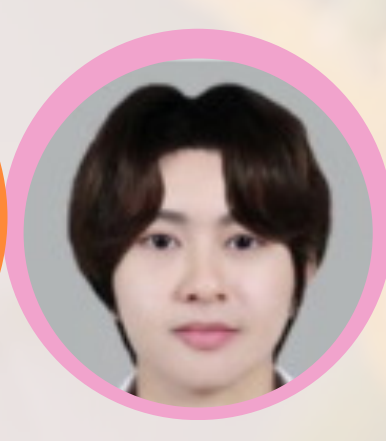




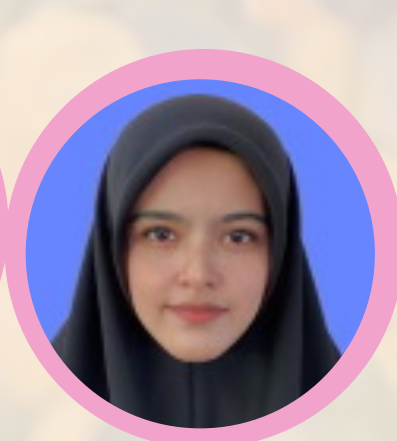
Asst. Prof. Dr. Pakorn
Ditthakit



Mr. Jakkarin Weekaew



Ms. Sirimon Pinthong



Ms. Nureehan Salaeh

Title: Comparative study of machine learning methods and GR2M model for monthly runoff prediction

Abstract

Monthly runoff time-series estimation is imperative information for water resources planning and development projects. This article aims to comparatively investigate the applicability of machine learning (ML) methods (i.e., Random Forest (RF), M5 model tree (M5), Support Vector Regression with polynomial kernel function (SVR-poly), and Support Vector Regression with the radial kernel function (SVR-rbf)) and the GR2M model for simulating the monthly runoff hydrograph. The models experimented at six runoff stations in Thailand's Southern basin. Four performance criteria, including Nash-Sutcliffe Efficiency (NSE), Correlation Coefficient (r), Overall Index (OI), and Combined Index (CI), were utilized for model performance comparison. The finding results revealed that in stations with a low correlation coefficient (r) between input and output data sets, ML algorithms showed superior performance to GR2M. In particular, SVR-rbf showed outstanding performance over other methods. It expressed that SVR-rbf could manage the problem of low-quality data and simulate monthly runoff under limited available data.

For more information





TEACHING

SLA English Program Student Passing through Regional-Round CWIE Presentation 2023 With Outstanding Award and Ready for the National



Ms. Sudarat Jettana, a graduate from School of Liberal Arts, Walailak University, won the Excellence Reward in the category of Outstanding Cooperative Education Student Award in Social Sciences in the 14th Upper Southern Cooperative Education Contest at Phuket Rajabhat University, Phuket. The competition is to serve as a platform for senior-year students to share their Cooperative and Work-Integrated Education (CWIE) experience.

Committed to Walailak University Cooperative Education policy led by the Center for Cooperative Education, Walailak University, School of Liberal Arts has been placing 3rd year students in various national and international organization to gain hands-on career insights in an 8-month internship program and be equipped with employability skills. As a result, immersing in real-world work setting, our students acknowledge their role to actively contribute to the organization by addressing any ongoing issues and pitch practical solutions using their knowledge.

Working for the Institute of Research and Innovation, Walailak University, Ms. Surdarat Jettana, got an opportunity to assist in the team responsible for research grant application and observe time-consuming process and difficulty in accessing massive information and forms. To solve this, Ms. Sudarat introduced to the team a system called “Uncluttering”, a roadmap-displayed system which help to visualize data through categorizing, listing and clear direction throughout research grant application process.

Ms. Suttida reflected that the 4-month period not only broadens field-specific skill, especially unfamiliar technical terms needed for her translation work but also other generic skills such as abilities to collect and analyze information, work as a team, and digital literacy through creating digital content. More details: <https://www.wu.ac.th/en/news/22668/>

Walailak University Bids Farewell to Exchange Students from Russia and Mongolia in Heartwarming Event



A heartwarming farewell event for exchange students from the North-West Institute of Management of the Russian Presidential Academy of National Economy and Public Administration (NWIM RANEPA) and the School of International Relations and Public Administration, National University of Mongolia (NUM) was held today (24 April 2023) at the Honor Hall, Walailak University Hospital. Ten students from NWIM RANEPA and one student from NUM had been staying at Walailak University International College (WUIC) for three months, from February to April 2023.

"I have been here for three months, and it's been a really good experience for me...I have made so many Thai friends," said Mr. Munkh-Erdene Tserendavaa, an exchange student from the National University of Mongolia.

During their stay at Walailak University, all exchange students joined several courses, namely English, Innovation, Entrepreneurship, Principles of Marketing, and Economics for Business. They also participated in extracurricular activities that broadened their perspectives and immersed them in Thai culture, such as Songkran, the traditional Thai New Year, which is celebrated in April with water fights and paying respect and gratitude to elders. They also went on a trip to Suratthani Province and Khanom.

RESEARCH

Walailak University Hosts International Conference on Informatics Education in Disruptive Era



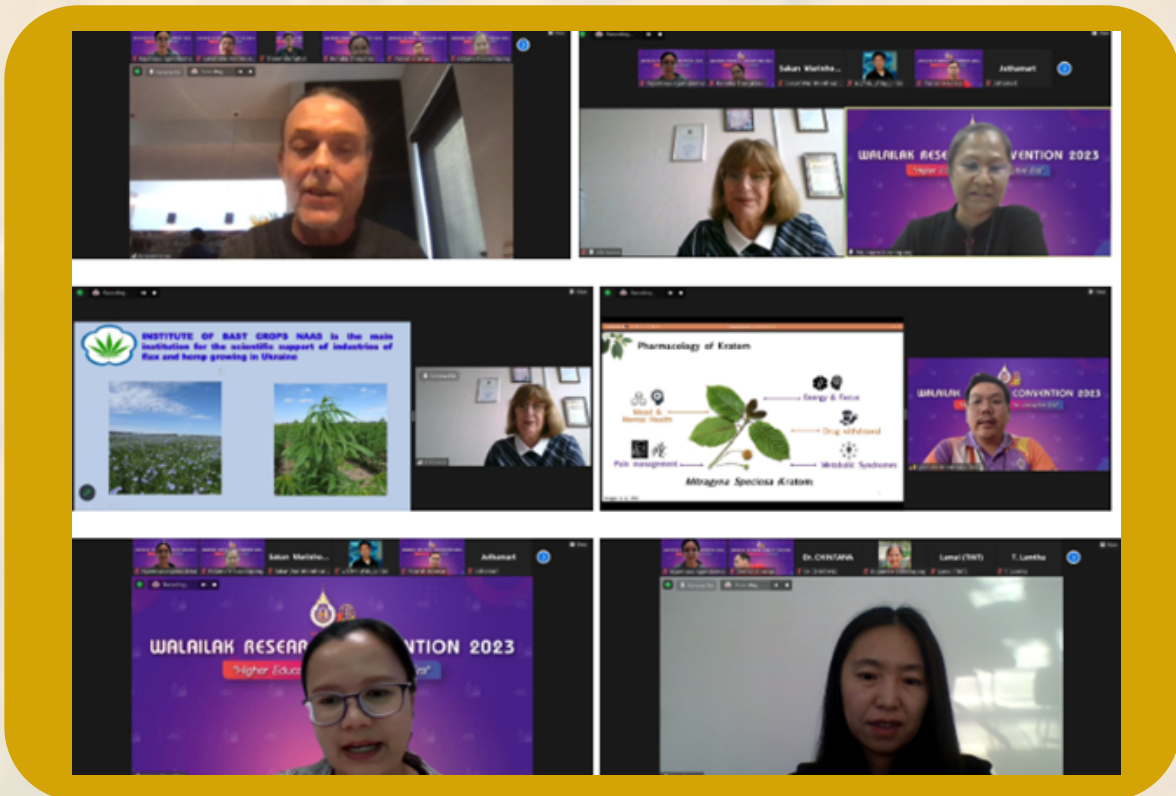
Walailak University's Informatics Innovation Center of Excellence (IICE) and School of Informatics recently hosted an international conference on Informatics Education in Disruptive Era on 28 March 2023, which brought together 50 researchers, academics, and students from over eight countries.

The seminar covered various topics relevant to informatics education and aimed to provide participants with the latest innovations and trends in the field. Attendees also had the opportunity to network with other professionals and expand their knowledge and skills necessary for today's world.

World-renowned invited speakers were Prof. Lance Chun Che Fung, IEEE Asia-Pacific-Region (R10) Director 2023 - 2024, and Prof. Dr. Wu-Yuin Hwang, from National Central University, Taiwan. Prof. Fung discussed the essential role that IEEE plays in higher education by providing resources, networking opportunities, and professional development programs to support the development of skills, knowledge, and careers Prof. Hwang spoke about the potential of advanced technologies such as Learning Management System (LMS), Virtual Reality (VR), online courses, online activities, and Augmented Reality (AR), to revolutionize teaching and learning in higher education. More details: <https://www.wu.ac.th/en/news/22631/>



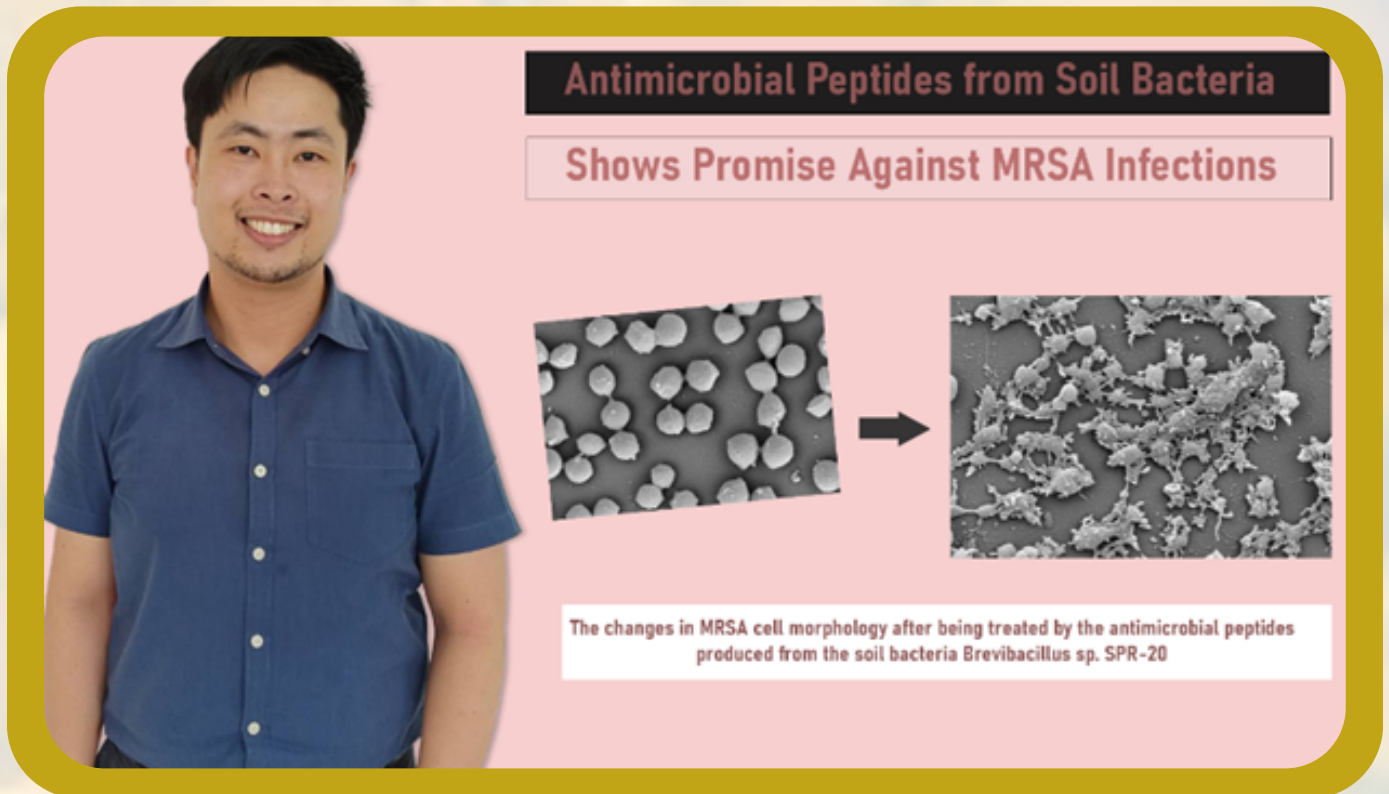
Walailak University Organizes an Online Seminar on Cannabis and Kratom Management and Health, Sharing Knowledge and the Latest Trends in Marijuana, Hemp, and Kratom



Walailak University's Center of Excellence in Marijuana, Hemp, and Kratom organized an online seminar on Cannabis and Kratom Management and Health on 28 March 2023. 43 attendees from six countries - Thailand, Indonesia, Laos, Ukraine, China, and the Netherlands - joined the event via Zoom.

The Center of Excellence in Marijuana, Hemp, and Kratom invited experts from various fields to speak at the event, including Dr. Chitana Bouthalusay, the Medical Director of Lao Modern Healthcare Group in Laos; Dr. Wang Xiaonan from the Institute of Bast Crops, Daqing Branch of Heilongjiang Academy of Sciences in China; Dr. Sakan Warinhomhoun from the School of Medicine and the Center of Excellence in Marijuana, Hemp, and Kratom at Walailak University; Dr. Iryna Layko, Head of the Department of Hemp Selection and Seed-growing from the Institute of Bast Crops of the National Ukrainian Academy of Agriculture Sciences in Ukraine; and Duncan Macrae from Kratom Bio Company Limited. More details: <https://www.wu.ac.th/en/news/22627/>

Discovery of Antimicrobial Peptides from Soil Bacteria Shows Promise Against Methicillin-resistant Staphylococcus Aureus Infections



It has been almost a hundred years since the world has known antibiotics – drugs used to fight infections caused by bacteria. This major medical breakthrough began when a Scottish physician and Nobel prize winner Sir Alexander Fleming discovered Penicillin, an antibiotic agent widely used to treat various infections. Since then, human life expectancy at birth has increased from 47 years in 1950 to 73 years in 2020. However, due to the misuse of antibiotics in both humans and animals, the world is facing a problem of antibiotic resistance, leading to more complicated treatments and deaths. This has drawn the attention of a group of researchers at Walailak University who are trying to tackle this problem.

“Soil is one of the largest sources of bacteria, where they live. Our team collected soil samples and suspended them in isotonic solution. Then, we cultivated the soil bacteria in petri-dishes to see if there are any bacteria producing substances that exhibit antimicrobial activity,” said Lecturer Nuttapon Songnaka from School of Pharmacy, Walailak University. Lecturer Nuttapon and his team collected the soil samples from Walailak Botanic Park, a diverse area with many trees and herb species. The researchers discovered that *Brevibacillus* sp. SPR19 and SPR 20 produce antimicrobial peptides - groups of amino acids that demonstrate antimicrobial activity – that fight against Methicillin-resistant *Staphylococcus aureus* (MRSA). More details: <https://www.wu.ac.th/en/knowledge/detail/1120>

Research to market (R2M) by Research Excellence Center for Innovation and Health Products Research (RECIHP), Walailak University



Product Information: Limonia Acidissima is an anti-oxidant plant extract from sandalwood known as “thanaka” in Burmese. Contained phytochemicals like OPC and Curcuminoid help boost its anti-aging, anti-bacterial, melanin-reducing properties. Limonia Acidissima extracts, therefore, help prevent acne breakouts, reduce black spots, blemishes, rashes, and skin damages from UV rays. Added Alpha-Arbutin, Hyaluronic Acid, and Resveratrol extracts help enhance skin whitening, moisture, elasticity, radiance, glow and youth. The complete Dr. J-Ro cosmetic set includes 1) Super Hydrating Whitening Serum 2) Anti-Aging Hydrating Cream 3) Anti-Aging Nourishing Night Cream, and 4) BB Watery Anti-Aging Smooth Foundation Cream.

Research to market (R2M) by Research Excellence Center for Innovation and Health Products Research (RECIHP), Walailak University



Dr.J-RO
SUPER HYDRATING WHITENING SERUM
 ซีรัม อยุ่ยวรีน
 LIMONIA ACIDISSIMA EXTRACT
 สารสกัดจากแก่นไม้มหาบาศา

มีฤทธิ์ต้านอนุมูลอิสระสูง สาร OPC, CURCUMINOID ทำให้ทานาคามีคุณสมบัติในการต้านความเสื่อมของเซลล์ผิวและช่วยป้องกันการเกิดริ้วรอย ด้านเชื้อแบคทีเรีย สลดที่นคัน มีฤทธิ์ยับยั้งการสร้างเม็ดสีเมลานิน ลดการเกิดจุดด่างดำและฝ้า และยังช่วยป้องกันการทำลายผิวจากรังสียูวี ผสานกับสารสกัด Alpha-ARBUTIN, HYALURONIC ACID, RESVERATROL ช่วยเพิ่มผิวขาว กระชับใส ฉ่ำเต่ง สดชื่น นุ่มนวล

เลขที่จดแจ้ง 84-1-6400037090
 ราคา 1,000 บาท



Dr.J-RO
ANTI-AGING NURISHING NIGHT CREAM
 ครีม อยุ่ยวรีน
 LIMONIA ACIDISSIMA EXTRACT
 สารสกัดจากแก่นไม้มหาบาศา

มีฤทธิ์ต้านอนุมูลอิสระสูง สาร OPC, CURCUMINOID ทำให้ทานาคามีคุณสมบัติในการต้านความเสื่อมของเซลล์ผิว ด้านเชื้อแบคทีเรีย สลดที่นคัน มีฤทธิ์ยับยั้งการสร้างเม็ดสีเมลานิน ลดการเกิดจุดด่างดำและฝ้า และยังช่วยป้องกันการทำลายผิวจากรังสียูวี ผสานกับสารสกัด HYALURONIC ACID, RESVERATROL ช่วยเพิ่มผิวขาว กระชับใส ฉ่ำเต่ง สดชื่น นุ่มนวล



Dr.J-RO
ANTI-AGING HYDRATING CREAM
 ครีม อยุ่ยวรีน
 LIMONIA ACIDISSIMA EXTRACT
 สารสกัดจากแก่นไม้มหาบาศา

มีฤทธิ์ต้านอนุมูลอิสระสูง สาร OPC, CURCUMINOID ทำให้ทานาคามีคุณสมบัติในการต้านความเสื่อมของเซลล์ผิว ด้านเชื้อแบคทีเรีย สลดที่นคัน มีฤทธิ์ยับยั้งการสร้างเม็ดสีเมลานิน ลดการเกิดจุดด่างดำและฝ้า และยังช่วยป้องกันการทำลายผิวจากรังสียูวี ผสานกับ HYALURONIC ACID, RESVERATROL ช่วยเพิ่มผิวขาว กระชับใส ฉ่ำเต่ง สดชื่น นุ่มนวล



Dr.J-RO
BB WATERY ANTI-AGING SMOOTH FOUNDATION CREAM
 ครีมกันแดด
 LIMONIA ACIDISSIMA EXTRACT
 สารสกัดจากแก่นไม้มหาบาศา

มีฤทธิ์ต้านอนุมูลอิสระสูง สาร OPC, CURCUMINOID ทำให้ทานาคามีคุณสมบัติในการต้านความเสื่อมของเซลล์ผิวและช่วยป้องกันการเกิดริ้วรอย ด้านเชื้อแบคทีเรีย สลดที่นคัน มีฤทธิ์ยับยั้งการสร้างเม็ดสีเมลานิน ลดการเกิดจุดด่างดำและฝ้า และยังช่วยป้องกันการทำลายผิวจากรังสียูวี ผสานกับสารสกัด Alpha-ARBUTIN, HYALURONIC ACID, RESVERATROL ช่วยเพิ่มผิวขาว กระชับใส ฉ่ำเต่ง สดชื่น นุ่มนวล

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INTERNATIONAL COLLABORATION & OUTLOOK

Walailak University Organizes International Conference Celebrating UNESCO-Recognized Nora as Intangible Cultural Heritage



Walailak University's Center of Excellence on Women and Social Security (CEWSS) and the School of Languages and General Education (SOLGEN), in collaboration with the Faculty of Creative Technology and Heritage at Universiti Malaysia Kelantan, Malaysia, organized an international conference on Nora and Intangible Cultural Heritage in Southeast Asia on 28 March 2023 to celebrate the recognition by the United Nations Educational, Scientific and Cultural Organization (UNESCO) that Nora, a dance drama in southern Thailand, is an intangible cultural heritage.

The conference featured a keynote speech by Professor Dr. Cholthira Satyawadhna on Moving towards the "Intermediality" of Manohra Innovative Visual Art: Deconstruction of the Long-play Encoded Archetype in the Nora Complex, and a Conversational Talk: Cross-Field Studies of Nora, by special speakers: Mr. Anant Narkkong, a lecturer from the Faculty of Music, Silpakorn University, Thailand; Dr. Patricia Hardwick from the Department of Music and Performing Arts, Sultan Idris Education University, Malaysia; Dr. Kanit Sripaoraya from the Faculty of Creative Technology and Heritage, Universiti Malaysia Kelantan, Malaysia; and Mr. Kriangdej Khamnarong, Head of Nora Kriangdej Naon Rahong Group.

More details: <https://www.wu.ac.th/en/news/22643/>

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Walailak University's School of Science Joins Hands with FKTA and WAREG, Universiti Malaysia Perlis, Enhancing Academic and Research Collaboration



On 4 April 2023, the School of Science, Walailak University (WU), led by Dean Mullica Jaroensutasinee, welcomed delegates from the Faculty of Civil Engineering and Technology (FKTA) and Center of Excellence for Water Research and Environmental Sustainability Growth (WAREG), Universiti Malaysia Perlis (UniMap), led by Assoc. Prof. Ts. Dr. Che Zulzikrami Azner Abidin, Dean of FKTA, and Associate Professor Ts. Dr. Abdul Haqi Ibrahim, Head of WAREG, at Weda Meeting Room, Science and Technology Park, Walailak University.

During the second and third semesters of the academic year 2023, the School of Science, Walailak University, sent two fourth-year Marine Science students to do their Cooperative Education at FKTA and WAREG, UniMAP. Ms. Supitsara Phasuk, a fourth-year Marine Science student from the School of Science, Walailak University, revealed that it was one of the most memorable experiences of hers doing Cooperative Education at UniMap. She said, “It was a very good experience for me as I got to learn new laboratory techniques. There’s a slight difference in working in the laboratory compared to here at Walailak University. People there are so nice, and it is very easy to make friends.” More details: <https://www.wu.ac.th/en/news/22616/>

Walailak University Organizes the 4th International Forum on Construction Innovation and Sustainable Materials to Exchange Knowledge and Network with International Researchers.



The School of Engineering and Technology, Walailak University, hosted the 4th International Forum on Construction Innovation and Sustainable Materials (CISM 2023) today (3 April 2023). The event took place at Chorpradu Chamber, Walailak University Hospital, and was attended by researchers and experts from seven countries: India, Indonesia, Malaysia, the United Kingdom, Vietnam, Nepal, and Ethiopia.

Professor Dr. Sombat Thamrongthanyawong, President of Walailak University, presided over the event and briefed participants about the university's achievements during the past few years such as its entry into the Times Higher Education World University Rankings 2023 for the first time, over 90 percent of the university's research being published in Scopus-indexed journals quartile 1 and 2 (updated on 27 March 2023), and the university ranked the number one green university in southern Thailand according to UI Green Metric World University Rankings for three consecutive years since 2020.

"I hope that all participants who attended CISM2023 can establish long-term networking and collaborations that benefit our countries and our peoples," said Professor Dr. Sombat. More details: <https://www.wu.ac.th/en/news/22611>



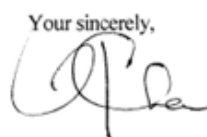


Professor Dr. Md. Atiar Rahman has been elected by Bangladesh Academy of Sciences as a fellow

Congratulations to Professor Dr. Md. Atiar Rahman, Professor in Dept. of Biochemistry and Molecular Biology, University of Chittagong, Bangladesh and Visiting Professor of School of Allied Health Sciences, Walailak University, Thailand

For being elected as a FELLOW OF BANGLADESH ACADEMY OF SCIENCES, the highest authority for guiding sciences in Bangladesh country.

The Bangladesh Academy of Sciences (BAS) Council in its 4ⁿ meeting held on 9th April 2023 has endorsed the election of Professor Dr. Md. Atiar Rahman as a Fellow of the Academy.

 BANGLADESH ACADEMY OF SCIENCES National Science & Technology Complex Agargaon, Dhaka 1207 Phone: +8802 41025084, +8802 41025086, E-mail: office@bas.org.bd, Website: www.bas.org.bd	
BAS COUNCIL (July 2022-June 2025) <i>President</i> Prof. Dr. AK Azad Chowdhury Emeritus Professor & former Vice Chancellor University of Dhaka Former Chairman (State Minister) University Grants Commission of Bangladesh Tel: 01713040561 Email: akchowdhury2003@yahoo.com <i>Vice-President</i> Prof. Dr. Zahurul Karim Former Executive Chairman, Bangladesh Agricultural Research Council and Former Secretary to the Govt. of Bangladesh Tel: 8130875 (R), 01713095387 Email: zkarim.karim@gmail.com <i>Vice-President</i> Prof. Dr. Chowdhury Mahmood Hasan Former Professor, Dept. of Pharmaceutical Chemistry Faculty of Pharmacy, University of Dhaka Tel: 01819 253698 Email: cmhasan@gmail.com <i>Treasurer</i> Prof. Dr. Mesbahuddin Ahmed Former Vice Chancellor, Jagannath University Tel: 01711 521466 Email: notproj2003@yahoo.com <i>Secretary</i> Prof. Dr. Haseena Khan Dept. of Biochemistry and Molecular Biology University of Dhaka Tel: 01711612344 Email: haseena@univdhaka.edu, haseena@du.ac.bd <i>Associate Secretary</i> Prof. Dr. Yearul Kabir Dept. of Biochemistry and Molecular Biology University of Dhaka Tel: 01710-327716 Email: ykabir@yahoo.com Members: Dr. M. Idris Ali Former Director General, BINA Tel: 01999921559 Email: midrisali45@gmail.com Prof. Dr. Z N Tahmida Begum Professor of Botany, University of Dhaka Former Chairman, PSC & Former Pro-VC, DU Tel: 9661900, 01855522933 Email: tahmida2933@gmail.com	Ref: BAS-FE-2021/2023/581 Date: 12/04/ 2023 Prof. Dr. Md. Atiar Rahman Dept. of Biochemistry and Molecular Biology University of Chittagong, Chattogram Dear Professor Rahman, We are very happy to inform you that the BAS Council in its 4 th meeting held on 09 April 2023 endorsed your election as a Fellow of the Academy as per Article 8 of the Regulations for the Election of Fellows of Bangladesh Academy of Sciences and you will be inducted as BAS Fellow in the next AGM. The date for the AGM will be announced soon. We look forward to your fruitful contribution to Science and to the Academy, the apex body of eminent scientists and technologists of the country. It is also expected that you will deliver an Inaugural Lecture on your field of scientific pursuit at a convenient time. With best regards, Your sincerely,  Prof. Dr. Haseena Khan Secretary

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ASIA SOCIAL ISSUES

VOL. 16 NO. 2 (2023): MARCH - APRIL

