

SCHEDULE

Wednesday, 20 December 2023

14:30 - 14:50	Log-in Session
14:50 - 15:00	Welcome/Opening Address video <small>H.E. Wilhelm Donko the Austrian Ambassador to Thailand</small>
15:00 - 15:15	Overview of the Ernst Mach Grant <small>Mr. Christoph Niederhauser Programme Officer, ASEA-UNINET Network Office</small>
15:15 - 15:30	Overview of ASEA-UNINET Projects <small>Ms. Barbara Karahan Programme Officer ASEA-UNINET Network Office</small>
15:30 - 16:00	ASEA-UNINET Research Opportunities <small>Prof. Dr. A Min Tjoa Institute of Information Systems Engineering, Vienna University of Technology ASEA-UNINET Coordinator for Technology, Innovation, and Sustainability Projects for Europe</small>
16:00 - 16:30	How to Write a Successful Research Proposal <small>Prof. Rick Rabiser Head of Christian Doppler Lab VaSICS, JKU-Head of JKU/Dynatrace Co-Innovation Lab, Head of Cyber-Physical Systems Lab, Linz Institute of Technology</small>
16:30 - 16:35	Q&A Session
16:35 - 16:40	Closing Remarks <small>Dr. Mullika Sungsant Vice Rector for Engagement, Innovation, and Entrepreneurship, SUT ASEA-UNINET National Coordinator for Thailand</small>

Suranaree University of Technology044-224144cia@g.sut.ac.th



Asean-European
Academic
University Network

ASEA-UNINET

ASEAN-EUROPEAN Academic University Network

ASEA-UNINET AT A GLANCE

with a focus on
RESEARCH OPPORTUNITIES

A Min TJOA
ASEA-UNINET European Coordinator for
Technology, Innovation and Sustainability Projects

ASEA-UNINET VIRTUAL WORKSHOP AND ANNUAL MEETING 2023
hosted by Suranaree University of Technology


December 20th 2024



Asean-European
Academic
University Network

ASEA-UNINET
ASEAN-EUROPEAN Academic University Network
A Platform for Multilateral Cooperation between 80 Universities

July 2017



The logo for ASEA-UNINET is located in the bottom right corner of the slide. It features the text 'ASEA-UNINET' in a large, bold, red font. Below this, in a smaller red font, is the text 'Asean-European Academic University Network'. The logo is enclosed in a red rectangular border.

Aim & Objectives

- **ASEA-UNINET aims at initiating research activities and higher education partnerships between its member universities in Europe and the ASEAN countries.**
 - Joint research projects in the following focus areas:
 - Science and Technology
 - Economic and Social Sciences
 - Health, Pharmacy and Medicine
 - Humanities, Culture and Music
 - Graduate programmes (mainly PhD studies) and postgraduate education
 - University staff exchange and student exchange
 - Specialised training courses (summer schools, workshops)
 - Support of collaboration projects between science and industry



The logo for ASEA-UNINET is located in the bottom right corner of the slide. It features the text 'ASEA-UNINET' in a large, bold, red font. Below this, in a smaller red font, is the text 'Asean-European Academic University Network'. The logo is enclosed in a red rectangular border.

Benefits and Goals

- Building and deepening academic relations between member institutions
- Fostering the excellent and long-lasting relationships of ASEA- UNINET, between universities, governmental and non-governmental organisations
- **ASEA-UNINET is a forum to exchange ideas and opinions in the area of science, technology and innovation with the intention of shaping a future to achieve the UN Sustainable Development Goals**
- Involvement of top European and ASEAN ASEA-UNINET member universities with outstanding academic staff
- Promoting co-operation between the European and ASEAN economic regions
- Recognition of academic degrees, diplomas and credits



History of ASEA-Uninet

- The foundations for this network were laid by informal contacts between Innsbruck University and Thai Universities that date back to the late 1970
- With the target to unify all these bilateral partnership agreements into one multilateral partnership, the initiator, **Prof. B. M. Rode**, invited interested universities in Austria, Indonesia, Thailand and Vietnam to participate in the **1st Foundation Meeting in Ho Chi Minh City in 1994.**



History of ASEA-Uninet

1994: Foundation of ASEA-UNINET

With the purpose of unifying the many tight bilateral **research cooperations** between **Austrian** universities and their counterparts in the **ASEAN**-countries under one umbrella, in 1994 ASEA-UNINET was founded as the **AUSTRIAN - SOUTH-EAST ASIAN UNIVERSITY PARTNERSHIP NETWORK** in Ho Chi Minh City.

Thailand, Vietnam, Indonesia and Austria were the founding member countries

1999: Broadening of the Network's scope

Due to the Austrian membership in the **European Union** and the tighter cooperation amongst **ASEAN-Universities** the network's scope was significantly broaden and it was renamed in 1999 to

ASEAN-EUROPEAN ACADEMIC UNIVERSITY NETWORK
(**ASEA-UNINET**)



ASEA-Uninet

- At present 15 countries comprising a total of 90 universities are members of ASEA Uninet
- ASEA Uninet supports the exchange of knowledge between partner universities in the member countries in Europe and South-East Asia (Indonesia, Malaysia, Myanmar, Philippines, Cambodia, Laos, Thailand and Vietnam).
- The main activity of the network is the exchange of scientists and postgraduates and the transfer of knowledge / research cooperation amongst its member universities.



ASEA-Uninet

- ASEA-UNINET is also in charge of the selection of candidates for the Austrian PhD-grants in South-East Asia. The selection of the candidates takes place locally by Austrian and South-East Asian university professors.
- Applications are open to graduates who have obtained a master degree (including master thesis) or a doctoral degree (or equivalent degree).



Activities



ASEA-UNINET Member Countries

Austria	Malaysia
Cambodia	Myanmar
Czech Republic	Pakistan (associate member)
Germany	Philippines
Indonesia	Thailand
Italy	Vietnam
Iran (associate member)	

Laos, Sweden (cand. Members)	



AUSTRIAN Universities of ASEA-UNINET

Comprehensive Universities

- University of Innsbruck
- University of Vienna
- University of Graz
- University of Linz
- University of Salzburg
- University of Klagenfurt

Medical Universities

- Medical University of Graz
- Medical University of Vienna
- Medical University of Innsbruck

Universities of Technology

- Vienna University of Technology
- Graz University of Technology

Universities of Economics

- Vienna University of Economics and Business Administration

Universities of Veterinary Sciences

- University of Veterinary Medicine, Vienna

Agricultural and Life Science Universities

- University of Natural Resources and Life Sciences, Vienna

Universities of Mining

- University of Mining, Leoben

Universities of Arts

- University of Applied Arts Vienna
- University of Music and Performing Arts Vienna
- University of Music and Dramatic Arts Mozarteum, Salzburg
- University of Music and Dramatic Arts, Graz
- University of Arts Linz

Thai Universities of ASEA-UNINET

- Burapha University
- Chiang Mai University
- Chulalongkorn University
- Kasetsart University
- Khon Kaen University
- KMUTT North Bangkok
- KMUTT Ladkrabang
- KMUTT Thonburi
- Maharakham University
- Mahidol University
- Naresuan University
- Prince of Songkla University
- Ramkhamhaeng University
- Srinakharinwirot University
- Silpakorn University
- Suranaree University of Technology
- Thammasat University
- Ubon Ratchathani University



13

Governance

- Decisions (e.g. concerning memberships) etc are **unanimously** taken either at the National Coordinator Meeting (every 9-months) or by voting at the plenary meetings (every 18 months)
- The president/national & regional coordinators are elected at the plenary meeting. The president is elected for 18 **months alternating between Europe/ASEAN**



11

Thailand as a main pillar of ASEA-UNINET

Relationship is characterized since it beginning by

- EXCELLENT ACADEMIC COOPERATION between Thai and Austrian universities

AND

- INTERGOVERNMENTAL SUPPORT, COOPERATION and APPRECIATION
(e.g. **Royal Decoration of the Most Noble of the Crown of Thailand to Dr. Ramoser, Head of Internationalisation of the Austrian Federal Ministry of Education, Science and Research**)



*H.E. Ms. Morakot Srivisvadi, Ambassador of the Kingdom of Thailand,
requests the pleasure of the company of*

Prof. Dr. Dr. h.c. A Min Tjosa

*at the Presentation Ceremony of the Royal Decoration of
the Most Noble of the Crown of Thailand
to Dr. Christoph Ramoser, Head of Department for Internationalisation
and Promotion of Young Researchers for Universities,
the Federal Ministry of Education, Science and Research of the Republic of Austria
on Monday, 21 March 2022 at 15:00 hours
at the Thai Residence, Weimarer Straße 68, 1180 Vienna*

RSVP
Tel: 01 478 3335 20 or sofoesteria@bainwien.at



OeAD – Austrian Agency for International Cooperation in Education and Research



- It administers grants/scholarship programmes and support recipients of grants
- It acts as National Agency for the Lifelong Learning programme | as national Ceepus office | ERASMUS MUNDUS National Structure
- It provides information and advice for students and researchers
- It promotes Austria worldwide as an attractive location for education and research
- It is **the administrative enabler** of the ASEA-UNINET activities!
- ASEA-UNINET >>> <https://asea-uninet.org/>
- Grants >>> <https://grants.at/en/>



ASEA-UNINET

Asian-European
Academic
University Network

16

Main Research Focus Areas of Austrian Universities



17 17

Overview of Austrian Universities

▪ Comprehensive Universities

- University of Innsbruck
- University of Vienna
- University of Graz
- University of Linz
- University of Salzburg
- University of Klagenfurt

▪ Medical Universities

- Medical University of Graz
- Medical University of Vienna
- Medical University of Innsbruck

▪ Universities of Technology

- Vienna University of Technology
- Graz University of Technology

▪ Universities of Economics

- Vienna University of Economics and Business Administration

▪ Universities of Veterinary Sciences

- University of Veterinary Medicine, Vienna

▪ Agricultural and Life Science Universities

- University of Natural Resources and Life Sciences, Vienna

▪ Universities of Mining


- University of Mining, Leoben

▪ Universities of the Arts (music)

- University of Applied Arts Vienna
- University of Music and Performing Arts Vienna
- University of Music and Dramatic Arts Mozarteum, Salzburg
- University of Music and Dramatic Arts, Graz

Main Research Areas

Technical University of Vienna (TU Vienna) www.tuwien.ac.at	Graz University of Technology (TU Graz) www.tugraz.at
<ul style="list-style-type: none"> ▪ Computational Science and Engineering ▪ Quantum Physics and Quantum Technologies ▪ Materials and Matter ▪ Information and Communication Technology ▪ Energy and Environment 	<ul style="list-style-type: none"> ▪ Advanced Materials Science ▪ Biotechnology, Chemistry ▪ Information, Communication & Computing ▪ Architecture ▪ Sustainable Systems



Asean-European
Academic
University Network

Main Research Areas

University of Mining (Montanuniversität), Leoben www.unileoben.ac.at
<ul style="list-style-type: none"> ▪ Mineral Resources Engineering ▪ Metallurgy ▪ Material Science ▪ Polymer Engineering and Science ▪ Petroleum Engineering ▪ Environment Engineering and Recycling ▪ Industry Energy Technology



Asean-European
Academic
University Network

Main Research Areas

University of Natural Resources and Life Sciences (BOKU)

www.boku.ac.at

- Land and Terrestrial Ecosystems, agriculture and forestry
- Water – Atmosphere – Environment
- Biosphere and Landscape
- Renewable Resources
- Food safety and food technology,
- Biotechnology
- Nanotechnology



Main Research Areas

University of Veterinary Medicine, Vienna

www.vetmeduni.ac.at

- Physiological Processes
- Infection and Prevention
- Food Safety and Risk Evaluation
- Animal Behaviour and Human-Animal Relationship
- Veterinary Biotechnology



Main Research Areas		
Medical University Graz www.meduni-graz.at	Medical University Vienna www.meduniwien.ac.at	University of Medicine Innsbruck www.i-med.ac.at
<ul style="list-style-type: none"> ▪ Cardiovascular Research ▪ Cancer Research ▪ Molecular Bases of Lipid Associated Diseases (FFL) ▪ Neuroscience 	<ul style="list-style-type: none"> ▪ Allergology / Immunology / Infectiology ▪ Cancer Research ▪ Neuroscience and psychiatric- psychosocial Science ▪ Vascular medicine 	<ul style="list-style-type: none"> ▪ Oncology ▪ Neuroscience ▪ Genetics & Epigenetics ▪ Genomics ▪ Infection biology ▪ Immunology ▪ Organ and Tissue Replacement

Main Research Areas	
<p>University of Economics and Business Administration, Vienna (WU) www.wu.ac.at</p> <ul style="list-style-type: none"> ▪ Applied Economics and Socioeconomics ▪ Business and Economic Law ▪ Empirically Focused Research on Management, Marketing and Strategy ▪ Finance and Accounting ▪ Informations Systems, Computing and Supply Chain Management ▪ International Business, especially CEE Region Studies ▪ International Business Taxation 	
	


Main Research Areas

Main Research Areas		
<p>University of Innsbruck www.uibk.ac.at</p>	<p>Universities of Vienna, Salzburg, Klagenfurt www.univie.ac.at www.uni-salzburg.at www.uni-klu.ac.at</p>	<p>University of Graz www.uni-graz.at</p>
<ul style="list-style-type: none"> ▪ Alpine Space - Man and Environment ▪ Cultural Encounters - Cultural Conflicts ▪ Molecular Biosciences ▪ Physics and Scientific Computing 	<p>The university focus areas are determined in a decentralized way by the corresponding faculties of these universities</p>	<ul style="list-style-type: none"> ▪ Brain and Behaviour ▪ Cultural History and Interpretation of Europe ▪ Learning – Education – Knowledge ▪ Modeling and Simulation ▪ Biochemistry

Main Research Areas

Johannes Kepler University (JKU) Linz
www.jku.at

- Computation in Informatics & Mathematics
- Management & Innovation
- Mechatronics & Information Processing
- Nano-, Bio- & Polymer-Systems
- Social Systems, market & welfare state
- Corporate Law
- Medicine!




ASEA UNINET
Asean-European Academic University Network

Main Research Areas

University of Applied Arts Vienna
www.dieangewandte.at

- Architecture
- Fine Arts and Media Art
- Design
- Conservation and Restoration
- Arts and Society
- Art and Technology
- Art Sciences and Art Education
- Language Arts



Asean-European
Academic
University Network

Main Research Areas

University of Music and Performing Arts, Vienna (mdw) www.mdw.ac.at	University of Music and Dramatic Arts, Mozarteum, Salzburg www.moz.ac.at	University of Music and Dramatic Arts, Graz (KUG) www.kug.ac.at
---	--	---

The university focus areas are determined in a decentralized way by the corresponding faculties of the university

<ul style="list-style-type: none"> ▪ Contemporary Art ▪ Chamber Music ▪ Ensemble ▪ Conducting 	<ul style="list-style-type: none"> ▪ Electronic Media in the Arts and Science ▪ Research Cluster for Musicology
---	---

PhD-Scholarships as Enabler for Research Cooperation within ASEA-UNINET



29

PhD Scholarships: Interviews 2016

A: THAILAND:

- 1. Ms Suwapat **Kittibunchakul** (Mahidol University).
- 2. Ms Jutamat **Klinsoda** (Kasetsart University).
- 3. Mr Kamchai **Choosrithong** (Asian Institute of Technology).
- 4. Mr Nisit **Wattanasakphuban** (Prince of Songkla University).

B: PHILIPPINES:

- 1. Ms Annabelle **Abrera** (University of the Philippines Los Banos).
- 2. Ms Ma. Desiree **Aldemita** (University of the Philippines Los Banos).

C: INDONESIA:

- 1. Ms Nabila Sofia Eryan **Putri** (Institut Teknologi Bandung).
- 2. Mr Kistosil **Fahim** (Institut Teknologi Sepuluh Nopember - Surabaya).

D: VIETNAM:

- 1. Hieu **Nguyen Ngoc** (National Institute of Medicinal Materials).
- 2. Thi Xuan Dieu **Nguyen** (University of Medicine and Pharmacy, Ho Chi Minh City).
- 3. Quoc Anh **Hoang** (VNU University of Science).
- 4. Van Quoc Phuong **Huynh** (Vietnam National University - Ho Chi Minh City University of Technology).



30

CV Suwapat Kittibunchakul (Mahidol Univ.)

• Research Interest and Expertise

1. Fermentation and microbial products
2. Pre- and probiotics
3. Enzyme technology
4. Functional food ingredients and health properties of bioactive compounds

• Research Experiences

1. Screening, isolation and identification of food-associated microorganisms
2. Genomic cloning, gene expression and recombinant protein purification using bacterial expression platforms
3. Production and characterization of microbial enzymes
4. Enzymatic conversion of sugars to oligosaccharides
5. Fermentability and prebiotic potential of oligosaccharides by intestinal bacteria
6. Development of a GABA-rich probiotic drink and functional beverages from plant/herbal extracts.
7. Investigation of nutritive values, bioactive compounds and *in vitro* biochemical properties against some chronic diseases of food materials

• Training

The 15th European training course on carbohydrates, Wageningen University & Research, The Netherlands

- Source: https://inmu2.mahidol.ac.th/wp-content/uploads/2020/07/CV_Suwapat-2020.pdf



31

Publications (S.Kittibunchakul – Mahidol University)

National

1. Tonglim, J., Kittibunchakul, S., Kriengsinyos, W., Kettawan, A. & Suttisansanee, U., Comparative study on anti-hypertension potential of Thai herbal teas and conventional teas (*Camellia sinensis*). *Agricultural Science Journal*, 2016. 46(3)(Suppl.): 13-16.

International

1. Kanpiengjai, A., Khanongnuch, C., Lumyong, S., Haltrich, D., Nguyen, T. H. & Kittibunchakul, S., Co-production of gallic acid and a novel cell-associated tannase by a pigment-producing yeast, *Sporidiobolus ruineniae* A45.2. *Microbial Cell Factories*, 2020, 19(1): 95.
2. Kittibunchakul, S., van Leeuwen S. S., Dijkhuizen, L., Haltrich, D. & Nguyen, T. H., Structural comparison of different galacto-oligosaccharide mixtures formed by β -galactosidases from lactic acid bacteria and bifidobacteria. *Journal of Agricultural and Food Chemistry*, 2020, 68(15): 4437-4446.
3. Pham, M. L., Tran, A. M., Kittibunchakul, S., Nguyen, T. T., Mathiesen, G. & Nguyen, T. H., Immobilization of β -galactosidases on the *Lactobacillus* cell surface using the peptidoglycan-binding motif LysM. *Catalysts*, 2019, 9(5): 443.
4. Kittibunchakul, S., Pham, M. L., Tran, A. M. & Nguyen, T. H., β -Galactosidase from *Lactobacillus helveticus* DSM 20075: Biochemical characterization and recombinant expression for applications in dairy industry. *International Journal of Molecular Sciences*, 2019, 20(4): 947.
5. Kittibunchakul, S., Maischberger, T., Domig, K. J., Kneifel, W., Nguyen, H. M., Haltrich, D. & Nguyen, T. H., Fermentability of a novel galacto- oligosaccharide mixture by *Lactobacillus* spp. and *Bifidobacterium* spp. *Molecules*, 2018, 23(12): 3352.
6. Kittibunchakul, S., Thiyajai, P., Suttisansanee, U. & Santivarangkna, C., Determination of GABA content in Thai brown rice by an optimized enzyme- based method. *Chiang Mai Journal of Science*, 2017, 44(1): 132-143.



32

Publications (Jutamat Klinsoda - Kasetsart Univ.)

Journal Articles

**** Klinsoda, J; Vötterl, J; Koger, S; Metzler-Zebeli, BU(2020):**

Dietary phytase and lactic acid treated cereals caused greater taxonomic than functional adaptations in the cecal metagenome of growing pigs.

Appl Environ Microbiol. 2020; 87(1):e02240-20

**** Klinsoda, J; Vötterl, J; Zebeli, Q; Metzler-Zebeli, BU(2020):**

Alterations of the viable ileal microbiota of gut-mucosa-lymph node axis in pigs fed phytase and lactic acid treated cereals.

Appl Environ Microbiol. 2020; 86(4):02128-19

**** Metzler-Zebeli, BU; Klinsoda, J; Vötterl, JC; Verhovsek, D(2020):**

Maturation changes alter effects of dietary phytase supplementation on the fecal microbiome in fattening pigs.

Microorganisms. 2020; 8(7):

**** Vötterl, J; Klinsoda, J; Zebeli, Q; Hennig-Pauka, I; Kandler, W; Metzler-Zebeli, B(2020):**

Dietary Phytase and Lactic Acid-Treated Cereal Grains Differently Affected Calcium and Phosphorus Homeostasis from Intestinal Uptake to Systemic Metabolism in a Pig Model. Nutrients. 2020; 12(5):1542

Klinsoda, J; Vötterl, J; Zebeli, Q; Metzler-Zebeli, BU

(2019): Lactic Acid Treatment of Cereals and Dietary Phytase Modified Fecal Microbiome Composition Without Affecting Expression of Virulence Factor Genes in Growing Pigs. Front Microbiol. 2019; 10:2345b

University network

33

J.Klinsoda: Published (citable) presentations at scientific conferences

- **Klinsoda, J; Vötterl, J; Zebeli, Q; Metzler-Zebeli, B(2019):** Effect of lactic acid treatment of cereals and dietary phytase on fecal microbiome and shedding of virulence factors in growing pigs. 108--73.Tagung der Gesellschaft für Ernährungsphysiologie; MÄRZ 13-15, 2019; Göttingen, Germany.
- **Klinsoda, J; Vötterl, JC; Zebeli, Q; Metzler-Zebeli, BU(2019):** Effect of dietary phytase and lactic acid treatment of cereals on metabolic active bacteria in ileal digesta, mucosa and ileo-cecal lymph nodes and expression of innate immune genes in pigs. 68--17th International Conference on Production Disease in Farm; June 27-29, 2019; Bern, Switzerland. (ISBN: 978-3-906813-9)
- **Vötterl, J; Klinsoda, J; Zebeli, Q; Hennig-Pauka, I; Metzler-Zebeli, B(2019):** Effect of dietary phytase and lactic acid treatment of cereals on gene expression related to mineral uptake and short-chain fatty acid production along the intestinal tract in pigs. 45--23. ESVCN-Tagung (23rd Congress of the European Society of Veterinary and Comparative Nutrition); Sep 18-20; Turin, Italy.
- **Vötterl, JC; Klinsoda, J; Zebeli, Q; Hennig-Pauka, I; Metzler-Zebeli, B(2019):** Effects of lactic acid treatment of cereals and dietary phytase on calcium and phosphorus balance and serum parameters in growing pigs. 25--73.Tagung der Gesellschaft für Ernährungsphysiologie; MÄRZ 13-15, 2019; Göttingen, Germany.
- **Vötterl, JC; Klinsoda, J; Zebeli, Q; Hennig-Pauka, I; Metzler-Zebeli, B(2019):** Effect of dietary phytase and lactic acid treatment of cereals on gene expression related to Calcium and Phosphorus homeostasis along the intestinal tract, bones and kidney in pigs. 198-198.-17th International Conference on Production Disease in Farm Animals; June 27-29, 2019; Bern, Switzerland. (ISBN: 978-3-906813-9)
- **Vötterl, J; Klinsoda J; Zebeli, Q; Metzler-Zebeli, B(2018):** Effects of lactic acid treatment of cereals and dietary phytase on phosphorus digestibility and bone parameters in growing pigs. -23. Tagung der Fachgruppe Physiologie und Biochemie der Deutschen Veterinärmedizinischen Gesellschaft; FEB 21-23, 2018; Vienna, Austria.

**ASEA
UNINET**

Asean-European
Academic
University Network

34

**Spectrum, Width and Spirit of
Research and Academic Cooperation
within ASEA-UNINET**



ASEA-UNINET
Asean-European
Academic
University Network

35

Facts and Figures from the Two Last Annual Report

Annual
Report 2019

Presented by the Austrian Board of Trustees
of the Austrian Member Universities

Chair: o.Univ.-Prof. Dr. Dr.h.c. A Min Tjoo




Annual Report
2020 and
2020-2021

Implementation period: 01/2020 - 02/2022

Presented by the Austrian Board of Trustees
of the Austrian Member Universities

Chair: Prof. Dr. Gabriele Kotsis



36

Analyzing the last ASEA-UNINET Annual Report (2019): FRIENDSHIP and CLOSE-RELATIONS as Main Pillar of ACADEMIC Cooperation

Close relationship between **Prof. Schwarz (Med. Univ. Innsbruck)**
and Suranaree University

*Thank you so much for your great contribution and dedication to our students and our institute.
Hope you enjoy Korat and Thai food
Best regards
Sukij*

ศาสตราจารย์นายแพทย์สุกิจ พันธุ์พิมานมาศ
[Prof. Sukij Panpimanmas MD.]
คณบดีสำนักวิชาแพทยศาสตร์ [Dean Institute of Medicine]
มหาวิทยาลัยเทคโนโลยีสุรนารี [Suranaree University of Technology]
โทร. 044-223906 E-mail: sukijpan@sut.ac.th
วิสัยทัศน์ (Vision) "เป็นโรงเรียนแพทย์ชั้นนำระดับโลก"

and soon thereafter an email for the next invitation:

*Dear Siegi
I and all students were appreciated your teaching, it's very interesting biomolecular knowledge and also very clear English.
As I said, it's not easy for Thai students to have a good chance like this and most important point is creating inspiration to
the students for further learning.
We hope to see you again next time and I'll send you an invitation letter earlier.*

37

Close relationship between Med. Univ. Innsbruck (Prof. Schwarz) and Suranaree University (2021)

- In 2021, this Teaching week was held for the 17th time, however – due to the SARS CoV-2 pandemia - not in real presence of Dr. Schwarz.
- Instead, a Zoom connection was built up between Dr. Schwarz and the SUT students in their respective home „offices“. Since months, students are not allowed to enter the SUT campus premises and buildings.
- The Zoom connection worked very well, around 140 students were enrolled, interaction was possible through the „chat“ function.
All lectures were recorded by the SUT IT service.



38

เรียนผ่านระบบ Online 100%											
รายวิชา 601209 พยาธิวิทยาทั่วไปและพยาธิวิทยาคลินิก 2-2564											
วันที่	5 ม	8.00-9.00	9.00-10.00	10.00-11.00	11.00-12.00	12.00-13.00	13.00-14.00	14.00-15.00	15.00-16.00	16.00-17.00	17.00-19.00
จันทร์											
08.Nov.64	1	Eng 4	Orientation โดยผู้ประสานงานรายวิชา	Lect.1 อ.ทนท.สร.สมอง Introduction to General Pathology and Clinical Pathology		SDL	Lect.2 อ.ทนท.สร.สมอง & Prof. Schwarz Clinical specimens and their collection			SDL	
อังคาร											
09.Nov.64	2		SDL	Lect.3 อ.ทนท.สร.สมอง HA & LA		Lab.1 อ.ทนท.สร.สมอง และศาสตราจารย์ clinical specimens and their collection laboratory				SDL	
พุธ											
10.Nov.64	3		SDL			SDL	Lect.4 อ.ทนท.สร.สมอง & Prof. Schwarz Molecules of life			Lab.2 Practicum Molecules of life	
พฤหัสบดี											
11.Nov.64	4	Eng 4		Lab.3 อ.ทนท.สร.สมอง Case discussion			Prof. Schwarz lecture and ceremony			SDL	
ศุกร์											
12.Nov.64	5		SDL	Lect. 5 อ.ทนท.สร.สมอง Cellular Reactions to Injury			Lab.4 อ.ทนท.สร.สมอง และศาสตราจารย์ Cellular Reaction to Injury laboratory			SDL	
จันทร์											
15.Nov.64	6	Eng 4	SDL	Lect.6 อ.ทนท.สร.สมองและศาสตราจารย์ Inflammation			PBL ครั้งที่ 1			SDL	
อังคาร											
16.Nov.64	7		SDL	Lect.7 อ.ทนท.สร.สมองและศาสตราจารย์ Healing		Lab.5 อ.ทนท.สร.สมองและศาสตราจารย์ Inflammation and healing laboratory				SDL	
พุธ											
17.Nov.64	8		SDL	Lect. 8 อ.ทนท.สร.สมอง Hemodynamic disorders			Lab.6 อ.ทนท.สร.สมองและศาสตราจารย์ Hemodynamic disorder laboratory			SDL	
พฤหัสบดี											
18.Nov.64	9	Eng 4		Lect. 9 อ.ทนท.สร.สมองและศาสตราจารย์ Immunopathology			Lab.7 อ.ทนท.สร.สมองและศาสตราจารย์ Immunohistochemistry				
ศุกร์											
19.Nov.64	0	SDL		Lect. 10 อ.ทนท.สร.สมองและศาสตราจารย์ Metabolic Diseases			ฝึกงาน Anatomical and clinical labo				
จันทร์											
22.Nov.64	1	Eng 4	SDL	Lect. 11 อ.ทนท.สร.สมองและศาสตราจารย์ Neoplastic cell change			PBL ครั้งที่ 2				
อังคาร											
23.Nov.64	2		SDL	Lect. 12 อ.ทนท.สร.สมองและศาสตราจารย์ Clinical Features of Neoplasms			Lab.8 อ.ทนท.สร.สมองและศาสตราจารย์ Neoplastic cell change laboratory				



Joint Labs: AIC-ATC (N-S-S)

- AIC [Austrian Indonesian Center for Computational Chemistry]
- ATC [Austrian Thai Center for Computational Chemistry]

A key aim conceived in the joint research activities was to enhance the spectrum of **computational software** with a special focus directed at the **United Nations Sustainability Goals (UN SDG 12 Responsible Consumption and Production)**.

ATC: focused on SDGs is related to the targets of the **quantum chemical research**, which have been chosen due to their relevance in the context of **renewable energy technologies**.

[Univ. Innsbruck with Prof. Patchanita Thamyongkit at Chula]

The topics involve investigations of surface bound substrate molecules with the aim of employing **Na-based energy storage** as an **alternative** to commonly employed **Li-ion batteries** on the one hand and the utilisation of surface-bound, light-harvesters such as porphyrin- and phthalocyanine derivatives either for the generation of reduction potentials or in the form of **organic solar cells**. [Advanced Battery Research].

ASEA
UNINET

Asean-European
Academic
University Network

Biomimetic Approaches for Testing Pharmacological Activity

- Project Team: Prof. Dr. Kiattawee Choowongkomon, Kasetsart University & Univ.-Prof. Dr. Peter A. Lieberzeit, University of Vienna and Ms. Sudarat Ledlod (**funded by Charoen Pokphand Food**)
- Ms. Sudarat Ledlod works on generating **highly selective sensors** based on detecting amplification products of oligonucleotides that are specific for **food pathogens of the Listeria family**

Results: 5 A-papers



41

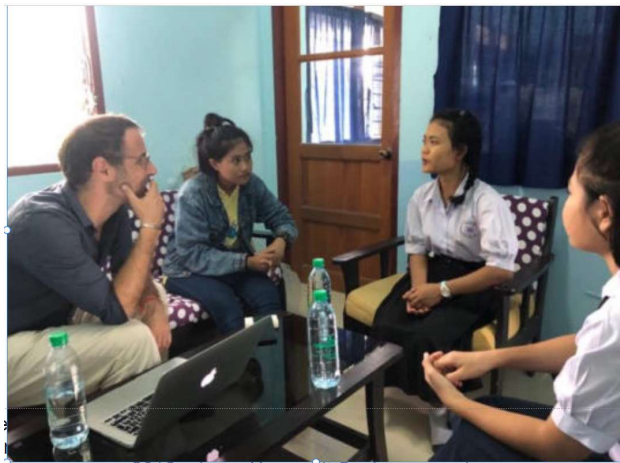
Transcultural lives of Myanmar Migrant children and youths in Thailand: Self-identity and sense of belonging

- Partners: Prof. **Gunnar Stange** (Univ. of Vienna) & Prof. **Kwanchit Sasiwongsaroj** (Mahidol Univ., Research Institute for Languages and Cultures of Asia)
- RESEARCH QUESTION: How do individual migration histories, language acquisition and translocal relations impact on the sense of belonging, identity and **self-perceived integration of Myanmar migrant workers' children in the city of Ranong, Thailand?**
- Publication: Stange, G., Sakdapolrak, P., Sasiwongsaroj, K. and Kourek, M. (2019) "Forced Migration in Southeast Asia", Austrian Journal of South-East Asian Studies, 12(2), pp. 249-265. doi: 10.14764/10.ASEAS-0024.
- Future Cooperation
The research team plans to extend the qualitative study conducted to **a larger quantitative survey** in the same research location.



42

Transcultural lives of Myanmar Migrant children and youths in Thailand: Self-identity and sense of belonging



2019; photo: Kwanchit Sasiwongsaroj

**ASEA
UNINET**

Asean-European
Academic
University Network

43

ASEA-UNINET Short-term visits (Univ. of Graz)

- **Anchalee Samphao**, Asst.Prof. Dr.: Assistant professor at the Ubon Ratchathani University
- “From **18th October to 17th November 2019**, I worked as a postdoctoral position under a supervision of Prof. Kurt Kalcher at the Institute of Chemistry. In these four weeks, I was working on the topic of development of an **electrochemical sensor** for detection chloramphenicol”
- “The research was done on development of an electrochemical sensor based on nitrogen doped multiwall carbon nanotube-hemin nanocomposite modified on glassy carbon electrode for detection of chloramphenicol.”
- “Taking into account my experiences gathered this year, I was in a good position to adapt and optimize my research even it was short but all of my work were done well and I was successful for the development of electrochemical sensors.”
- Scientific publications arising from the last project:
 1. P. Butmee, G. Tumcharern, G. Thouand, K. Kalcher, A. Samphao (2020) “An ultrasensitive immunosensor composed of manganese dioxide-graphene nanoplatelets and core shell Fe₃O₄@Au nanoparticles for label-free detection of carcinoembryonic antigen”, *Bioelectrochemistry*, 132, 107452 (IF = 4.474)
 2. K. Kunpatee, P. Jamsai, E. Mehmeti, D.M. Stankovic, A. Ortner, K. Kalcher, A. Samphao. (2019) “A highly sensitive fenobucarb electrochemical sensor based on graphene nanoribbons-ionic liquid-cobalt phthalocyanine composites modified on screen-printed carbon electrode coupled with a flow injection analysis”, *Journal of Electroanalytical Chemistry*, 855, 113630 (IF = 3.218)

**ASEA
UNINET**

Asean-European
Academic
University Network

44

„ Development of New Electrochemical Sensors Based on Nano-sized Materials”

- Partners: Prof. Kurt Kalcher (Univ. Graz), **Prof. Anchalee Samphao (Ratchathani)**, Van Minh Hai Ho (Hue Univ., PhD-candidate, co-supervised by Prof. Kalcher, Ass. Duc Vu Quyen Nguyen (Hue Univ. PhD from Graz), Ass. **Sudkate Chaiyo (Chulalongkorn, PhD under Supervision Prof. Kalcher)**.
- The project included two outgoing (Kurt Kalcher, project funded) and four incoming mobilities (all project funded):
Dr. Anchalee SAMPHAO, Ubon Ratchathani University
Dr. Sudkate Chaiyo, Chulalongkorn University, Bangkok, Thailand;
Dr. Duc Vu Quyen NGUYEN, Hue University, Hue, Vietnam;
MSc. Van Minh Hai HO, Hue University, Hue, Vietnam
- The specific goals of the project were:
Improved educational level at the Southeast Asian partner universities involved
- At least two common publications in international journals
- At least one contribution to an international conference
- Improved educational level at the Asian partner universities
- At least two common publications in international journals At least one contribution to an international conference



45

Results/Assessment: „ Development of New Electrochemical Sensors Based on Nano-sized Materials”

- Five common publications including authors and co-authors from Thailand have appeared already and represent the main scientific outcome of the project.
- In this respect it is worth to mention that paper (ii) was published in one of the highest ranking analytical chemical journals devoted to sensors (Biosensors and Bioelectronics, **IF 9.518**), and that other publications appeared in journals with impact factors (IF) **higher than 3.2**.
- (i) Preeyanut Butmee, Gamolwan Tumcharern, Gerald Thouand, Kurt Kalcher, Anchalee Samphao.
An ultrasensitive immunosensor based on manganese dioxide-graphene nanoplatelets and core shell Fe₃O₄@Au nanoparticles for label-free detection of carcinoembryonic antigen. *Bioelectrochemistry* 132 (2020) 107452 (IF 4.474)
- (ii) Kingkan Pungjunun, Sudkate Chaiyo, Narong Praphairaksit, Weena Siangproh, Astrid Ortner, Kurt Kalcher, Orawon Chailapakul, Eda Mehmeti.
Electrochemical detection of NO_x gas based on disposable paper-based analytical device using a copper nanoparticles-modified screen-printed graphene electrode. *Biosensors and Bioelectronics* 143 (2019) 111606 (IF 9.518)



46

ANNUAL CLINICAL ELECTIVE EXCHANGE PROGRAM

(see e.g. Report Medical Univ. Innsbruck - 2019)

- As part of the ASEA-UNINET network, **48 students** from the Medical Universities of Graz, Vienna, Linz and Innsbruck were able to get to know medical practice at universities in Thailand, Vietnam and Indonesia in 2019.
- **14 students** from the Medical University of Innsbruck each completed four-week stays at Chiang Mai University, Chulalongkorn University, Mahidol University - Faculty of Tropical Medicine, Mahidol University – Ramathibodi Hospital, Gadjah Mada University and the University of Ho Chi Minh City Medicine and Pharmacy.
- 2 students from the Medical University of Innsbruck each completed four-week stays at Suranaree University of Technology, Institute of Medicine in February 2019,
- We had a total of **10 incomings** throughout the year. At the University Hospital for Vascular Surgery, the Department of Orthopedics, the Department of Urology, the Department of Internal Medicine, the Department of Neurosurgery, the Department of Anesthesia and the Department for Gynecology and Obstetrics the exchange students could collect their experience in Innsbruck.



47

Clinical traineeship of students (Veterinary Medicine – 2022)

- For the 4-week mandatory internship, we applied for two of the four veterinary university hospitals of Kasetsart University. The institutions where we completed our clinical training were KU VTH Bangkok and KU VTH Hua Hin.

KU VTH Bangkok:

- ER + CCU, Neurology, OPD, Exotic Pets, Neurology, OPD

KU VTH Hua Hin

- Cardiology, CT/MRT/X-Ray, Surgery, Large Animal, Ophthalmology, Urology + OPD, CCU, Ultrasound

ER = Emergency room

CCU = critical care unit

OPD = outpatient department



48

Elaboration of a strategy for distributed ethnomusicology data

Partners:

- Alex Hofmann, Ph.D. Vienna Univ.of Music and Performing Art
- Prof. Dr. Andreas Rauber TU Wien
- Prof. Joseph Bowmann Mahidol University - College of Music

Until now, researchers and institutions have developed primarily individual ways to collect and store such data, either digitally or in a card-index cabinet. Data search in such self-contained storages is difficult and searching across multiple storages can be very time consuming. This presents a barrier for conducting contemporary, computer-aided musicological research. For instance, incompatible data structures prevent applying automated data analysis and indexing across music collections to provide new ways to access the data and gain new insights. This includes **the use of visualization techniques and state-of-the-art machine learning methods on existing data sets, which may reveal hidden connections between different areas within music research.**

ASEA
UNINET

Asean-European
Academic
University Network

49

Elaboration of a strategy for distributed ethnomusicology data



2nd Workshop on Distributed Ethnomusicology Data and Music Information Retrieval in the Framework of ASEA-Uninet held at the Mahidol University Bangkok, Thailand.
(Picture by Tomasz Miksa taken at the Music Campus for the General Public, Mahidol University.)

ASEA
UNINET

Asean-European
Academic
University Network

50

THE BASSO CONTINUO-WORKSHOP AT MAHIDOL UNIVERSITY (THAILAND)

- Projectleader: Univ.-Prof. Mag.art. Dr.phil. Peter Hrcirik (with support of Dr. Sornsuang Tangsinmonkong)
- The first Basso Continuo Workshop I conducted at the College of Music at Mahidol University in August 2018 has proven to be a successful course. Both my Thai colleague responsible for organizing the course on site and a number of students asked whether there was an opportunity to offer a continuation of this course in 2019. The positive response and especially the demand from the students prompted me to resubmit a Basso Continuo Workshop-“Reissue” for young pianists at the Music college for 2019
- The cooperation with Mahidol University, both in the run-up to the organization and in the actual implementation on site, worked perfectly and I would like to thank Dr. Sornsuang Tangsinmonkong once again in a very special way: she is my main contact person, from whom I always feel supported in a pleasant and courteous manner.
- In 2019 Austria and Thailand celebrated **150 years of friendship** in economic and cultural terms. **My Basso Continuo Workshop was a cultural contribution to this special year.** I consider that gratefully as a fitting historical background, against which a piece of international understanding was allowed to take place.

**ASEA
UNINET**

Asian-European
Academic
University Network

51

THE BASSO CONTINUO-WORKSHOP AT MAHIDOL UNIVERSITY (THAILAND)



**ASEA
UNINET**

Asian-European
Academic
University Network

52

Short-term music scholarships

- ISA is the **International Summer Academy** of the mdw – University of Music and Performing Arts -Vienna.
Each year, over 250 participants from more than 40 different countries receive training geared to highly advanced and talented musicians
- Master classes, workshops, lectures, interdisciplinary projects, and concerts give rise to a unique creative experience for aspiring young artists. And the intense atmosphere in which all this takes place leads to new friendships and networks.
- The key theme for isa19, the International Summer Academy's 29th edition, was "Just Play!?".
By the support of ASEA Uninet, **two music students from Thailand** were invited to participate.



53

Short-term music scholarships in the framework of ASEA-UNINET



Scholarship Awards 2019:
Mr. Kittipon Sanboonruang - oboe
Mr. Nattawut Sungkasaro - double bass



54

Cultural Heritage Conservation in Southeast Asia (Development of a Joint-Master-Programme)

- The cooperation of the Institute of Conservation, **University of Applied Arts Vienna** and the **Silpakorn University International College (SUIC)** Bangkok aims at taking measures against the shortage of academic conservator-restorers in South East Asia.
- Amongst the objectives in this regard are the implementation of capacity building measures, the **establishment of a Conservation Centre** at SUIC campus in Bangkok and the **development of an international Joint Master Programme** in conservation and management of cultural heritage
- The appearance of the painting, Sukhotai Chedi (1984, oil on fibreboard, 46 x 55 x 2 cm), a river scene with a temple, painted by Thai crown princess H.R.H. Princess Maha Chari Sirindhorn, was impaired heavily by dirt and overpaintings. The discoloured overpaintings were reworked with retouches. The measures succeeded in restoring a clean and uniform appearance.



55

Despite COVID-Pandemics: ASEA-UNINET Projects with Thailand !!! (1)

• Theoretical Methods in Drug Design

Project leader:

- A.Univ.Prof. Dr. Peter Wolschann, University of Vienna, Institute of Theoretical Chemistry

Cooperation members:

- Univ.Prof. Dr. Supot Hannongbua, Chulalongkorn University, Faculty of Science
- Assoc.Prof. Dr. Thanyada Rungrotmongkol, Chulalongkorn University, Department of Biochemistry

Invited persons (November 2021):

- Dr. Khanittha Kerdpol, Chulalongkorn University, Department of Chemistry
- Dr. Sarinya Hadsadee, Chulalongkorn University, Department of Biochemistry
- Mr. Napat Kongtaworn, MSc, Chulalongkorn University, Program in Bioinformatics and Computational Biology



56

Despite COVID-Pandemics: ASEA-UNINET Projects with Thailand !!! (2)

The Effect of DDT Contamination on the Proteome of Hooded Oyster *Saccostrea cucullata*

- Project Leader: Prof.Dr. Ebrahim Razzazi-Fazeli (Univ. of Vet. Med., Vienna)
- Cooperation Partner: Ass. Prof. Dr. Sutin Kingtong, Burapha University

• Achieved Project Goals:

1. We could investigate the **effect of DDT** on proteome response of the hooded oyster *Saccostrea cucullata* in experimental exposure in Thailand.
2. Proteome analysis of the hooded oyster *S. cucullata* was performed by using proteomic approach and producing a reference map of mantle proteins for this species (VetCore Facility, Vienna).
3. Thai-Austria proteomic research network has now been established.



57

Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Ecotoxicology and Environmental Safety

journal homepage: www.elsevier.com/locate/ecoenv

Toxicity of DDT to the hooded oyster *Saccostrea cucullata*: Mortality, histopathology and molecular mechanisms as revealed by a proteomic approach

Supatta Chueycham^a, Chantragan Srisomsap^b, Daranee Chokchaichamnankit^b, Jisnuson Svasti^b, Karin Hummel^c, Katharina Nöbauer^c, Omid Hekmat^c, Ebrahim Razzazi-Fazeli^c, Sutin Kingtong^{d,4}

^a Environmental Science Program, Faculty of Science, Burapha University, Chonburi 20131, Thailand

^b Laboratory of Biochemistry, Chulabhorn Research Institute, Vibhavadi Rangsit Highway, Bangkok 10210, Thailand

^c VetCore Facility for Research, University of Veterinary Medicine, Veterinärplatz 1, Vienna 1210, Austria

^d Department of Biology, Faculty of Science, Burapha University, 169 Long-Haod Bangsaen Road, Chonburi 20131, Thailand

Incoming Activities: Dr. Sutin was trained on nanoHPLC-MS/MS analysis of proteins and mass spectrometric analysis of samples in Vienna for one month. Furthermore, he was trained how to use protein databases for identification of proteins and how to deposit proteomics data.
Outgoing Activities: Due to COVID-19 pandemic no outgoing activities could be carried out.



58

Bernd Rode Award

Bernd Rode Award (BRA) 2019 – Winners

Junior Category

Dr. Bao Quoc Tang	University of Graz, Austria
Apinun Kanpiengjai, PhD.	Chiang Mai University, Thailand
Anh-Dung Tran, MSc.	Technical University of Vienna, AT

Senior Category

Pongtip Sithisarn, PhD.	Mahidol University, Bangkok
Weena Gera, PhD.	University of the Philippines Cebu
Manuel Joseph C. Loquias, Dr. Math.	University of the Philippines Diliman

Project Excellence

Dr. Anchalee Samphao	Ubon Ratchathani University, Thailand
Assoc. Prof. Tran Thi Dinh	Vietnam National University of Agriculture
Univ.-Prof. Dr. Annette Ostendorf	University of Innsbruck, Austria

**ASEA
UNINET**

Asean-European
Academic
University Network

59

Bernd Rode Award 2019 (Laureates from Thailand)

- **Apinun Kanpiengjai, Ph.D. (Category JUNIOR)**
Department of Chemistry, Faculty of Science, **Chiang Mai University**
- **Project Title:** „Purification and Properties of Tannase from *Sporidiobolus ruineniae*, a Tannin-Tolerant Yeast Isolated from Fermented Foods of Northern Thailand”
- **Pongtip Sithisarn, PhD. (Category SENIOR)**
Faculty of Pharmacy, **Mahidol University, Bangkok (Thailand)**
- **Project Title:** „LC-MS of extracts from medicinal plants”

PROJECT EXCELLENCE

- **Asst. Prof. Dr. Anchalee Samphao**
Department of Chemistry, Faculty of Science, **Ubon Ratchathani University (Thailand)**
Prof. Dr. Kurt Kalcher
Institute for Analytical Chemistry, University of Graz (Austria)
- **Project Title:** „Development of a disposable electrochemical biosensor for detection of cancer biomarker”

**ASEA
UNINET**

Asean-European
Academic
University Network

60

Bernd Rode Award 2020 (Laureates from Thailand)

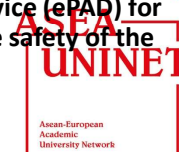
- **Suphat Phongthai, Ph.D. (Category JUNIOR)**
 Division of Food Science and Technology, Faculty of Agro-Industry, **Chiang Mai University (Thailand)**
 Project Title: „Properties of enzymatically modified proteins and its effects on quality improving of gluten-free breads“
- **Prof. Kanokwan Jarukamjorn, Ph.D. (Category SENIOR)**
 Faculty of Pharmaceutical Sciences, Khon Kaen University (Thailand)
 Project Title: „Research on Thai traditional medicine“
- **PROJECT EXCELLENCE:**
Prof. Dr. Peter A. Lieberzeit
 Department of Physical Chemistry, University of Vienna
Assoc. Prof. Dr. Kiattawee Choowongkamon
 Department of Biochemistry, **Kasetsart University (Thailand)**
 Project Title: „Sensing Porcine Circovirus with Biomimetics: Molecularly Imprinted Polymer Nanoparticles“



b.1

Bernd Rode Award 2022 (Laureates from Thailand)

- **PROJECT EXCELLENCE:**
Assoc. Prof. Dr. Anchalee Samphao
 Department of Chemistry, Faculty of Science, **Ubon Ratchathani University**
Assoc. Prof. Astrid Ortner
 Institute of Pharmaceutical Chemistry, University of Graz
Assoc. Prof. Dr. Kurt Kalcher
 Institute of Chemistry-Analytical Chemistry, University of Graz
 Project Title: „An electrochemical paper-based analytical device (ePAD) for simultaneous detection of residual antibiotics in water for the safety of the community water source (Mun River)“



b.2

Bernd Rode Award 2022 (Laureates from Thailand)

- **PROJECT EXCELLENCE:**

- **Alex Hofmann, Ph.D.; Hande Saglam, Ph.D; Dr. Ardian Ahmedaja**
University of Music and Performing Arts Vienna (Austria)
- **Asst. Prof. Dr. Boonsit Yimwadsana**
Faculty of Information And Communication Technology, Mahidol University
- **Professor Dr. Andreas Rauber, Prof. Andreas Knees, Dr. Thomas Miksa,**
Vienna University of Technology (TU WIEN)

Project Title:

„Elaboration of a strategy for distributed ethnomusicology data“



63

Bernd Rode Award 2022 (Laureates with research strongly connected with Thailand)

- **SENIOR CATEGORY:**

Assoc.Prof.Dr. Helmut Lukas

Department of Chemistry, Faculty of Science, Ubon Ratchathani University

Assoc. Prof. Helmut Schaschl

Institute of Pharmaceutical Chemistry, University of Graz

Title: **NUTRITION& FOOD HABITS of the Maniq, hunter-gatherers in Southern Thailand and Cognitive concepts of hunter-gatherers within the ecological and economic context“**



64

Bernd Rode Award 2023 Receptient (Junior) Mongkon Thongchaithanawut

- Research Topic:
Environmental change, migration, and remittance dynamics in Southeast Asia
- This project incorporates mainly two methods.
 - First, the systematic review of evidence on environmental migration specific to Southeast Asia.
 - Second, the longitudinal analysis by making use of various datasets including:
 - 1) Demographic data: Thailand Vietnam Socio Economic Panel from 2007 to 2017;
 - 2) Time-series temperature and precipitation from the UK National Centre for Atmospheric Science (NCAS) at the University of East Anglia;
 - 3) river flood return period by UNEP/GRID-Europe and CIMA Research Foundation.
- **Now: PhD-Student at the University of Vienna (Ernst Mach Grant)**
Department of Geography and Regional Research
Master Degree in Demography from Mahidol University (2019)



LOOK AHEAD

FUTURE PROSPECTS

- Prospective New Partner Universities (Candidate Members):
- Strengthening cooperation within the new EU-programs
- Strengthening bidirectional Academic Cooperation
- Possible Joint-Lab initiatives
- Strategic Research Areas
- Double/Joint-degrees at Master and PhD level amongst the ASEA-UNINET partners
- Promotion of ASEA-UNINET to increase visibility
- Better Alumni Tracking and Community Building
- Sustainable development goals



67

THANK YOU FOR YOUR ATTENTION

and thank you very much for your enduring support and cooperation!