

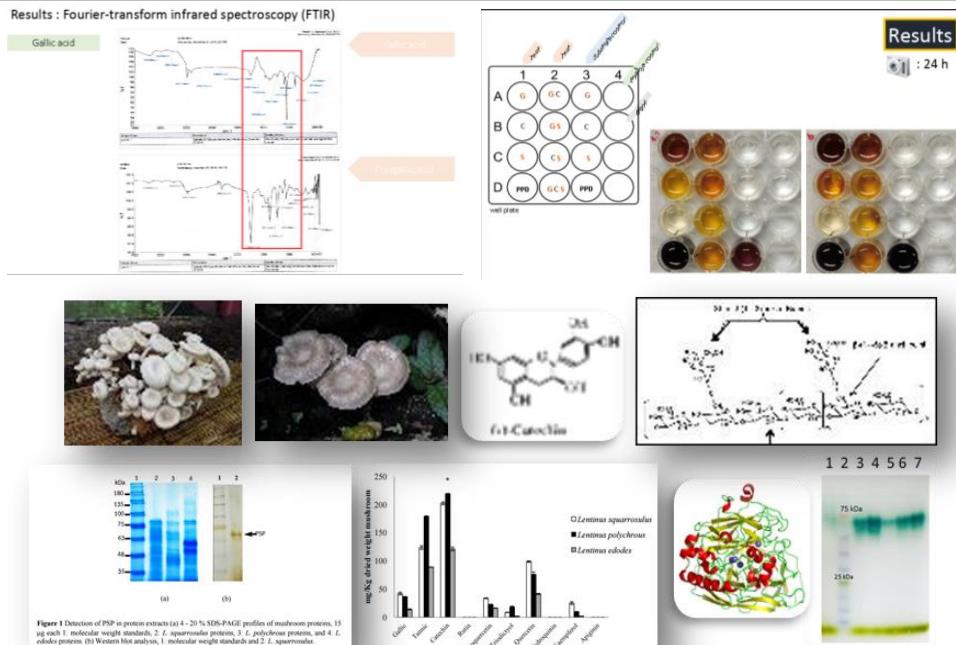


# ធន.បរ.ជនវៅទ័រ វរណវិថី

- Ph.D. (Biochemistry)
- rakaе19@hotmail.com
- MD345

## Current Research

- Protein hydrolysates and tyrosinase inhibition
- Ligninolytic enzymes in cosmetic and textile industry; melanin decolorization and dyes synthesis
- Antioxidant compound in edible mushrooms



## Research interest

- Bioactive compounds
- Protein technology

## Techniques

- Bioactive compound extraction
- Biochemical assays
- Protein characterization



## ผศ.ดร.ปนัดดา จันทร์เนย

- Ph.D. (Biochemistry)
- kek\_biotech@hotmail.com
- MD310

### Current Research

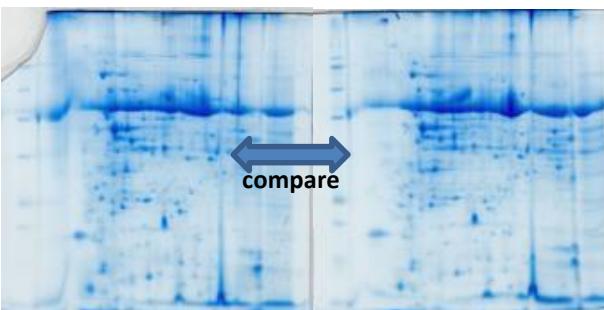
- BPH-Resistant Marker gene investigation in rice



Brown plant hopper, BPH,  
เพลี้ยกระโดดสีน้ำตาล



Resistant cultivar



2-dimension gel electrophoresis



### Research interest

- Plant proteomics
- Rice disease

### Techniques

- Proteomics
- PCR
- Plant cell culture



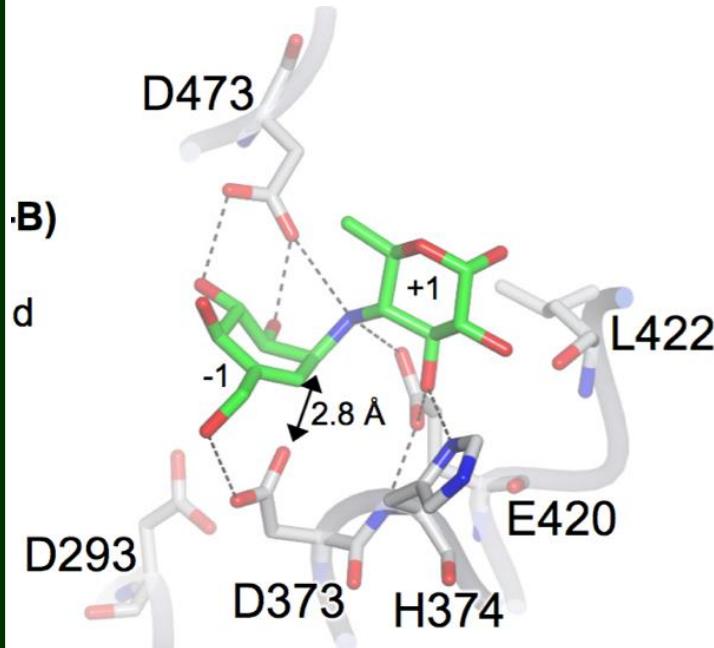
# ผศ.ดร.กฤชณ์ ตันตనะรัตน์

- Ph.D. (Biochemistry)
- kritt@nu.ac.th
- MD419



## Current Research

- พัฒนาระบบการทำงานของเอนไซม์ที่เกี่ยวข้องกับการย้ายน้ำตาลในข้าวและยูกลิน่า



## Research interest

- Function of glucosyltransferase from plant and Euglena
- Oligosaccharide synthesis

## Techniques

- Molecular cloning and protein expression
- Protein purification
- Thin layer chromatography



## ผศ.ดร.อัมนาต เพชรรุ่งนภา

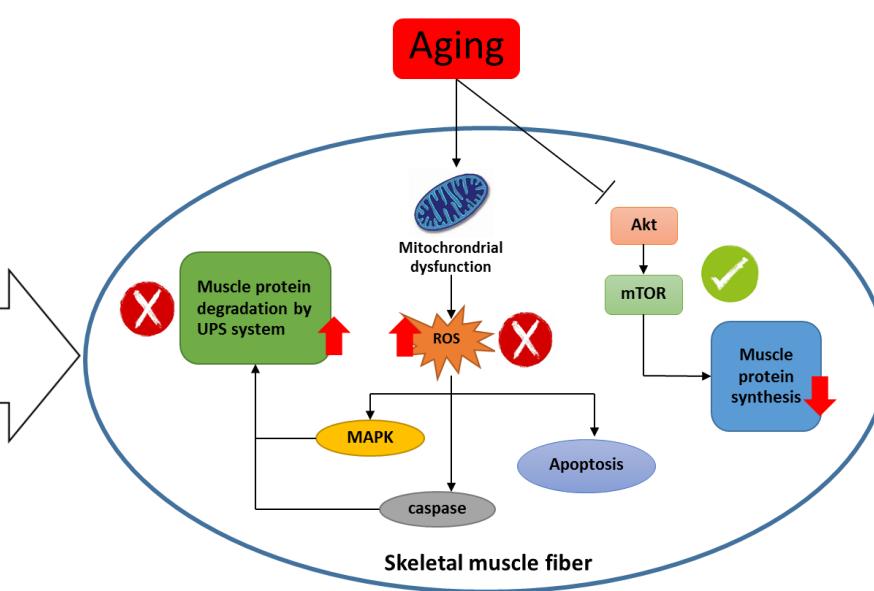
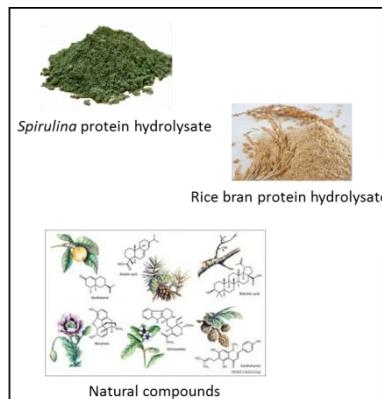


- Ph.D. (Molecular Genetics and Genetic Engineering)
- amnatpht@gmail.com
- Room MD135 (office), MD345 (Lab)



### Current Research

- Development of dietary supplement for elderly



### Research interest

- Protein hydrolysate on Muscle development

### Techniques

- Protein hydrolysis
- Biomolecule fractionation
- Cell culture
- Animal models
- Molecular biology techniques



## ดร.วิสาข์ สุพรรณไพบูลย์

- Ph.D. (Biochemical Toxicology)
- supanpaiboon@gmail.com
- MD340



### Current Research

- Prototype of Community-based Risk Management and Restoration of Contaminated Residential Area: A Case Study of Cadmium Contamination in Paddy Field at Mae Sot District, Tak
- Determination of Cholinesterase and 3-Phenoxybenzoic Acid Levels in Plasma among Pesticide Applicators at Phrom Phiram District, Phitsanulok
- Health impact assessment, Neunmaprang District, Phitsanulok



### Research interest

- Biomarker investigation for chemical exposure
- Environmental ecotoxicology
- The use of toxicology as a tool for health impact assessment (HIA)

### Techniques

- Chemical analysis such as HPLC, GC and AAS

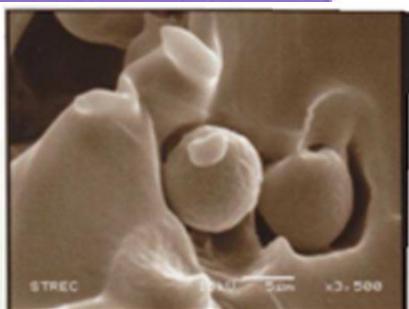
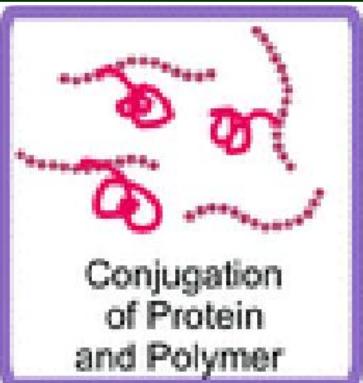
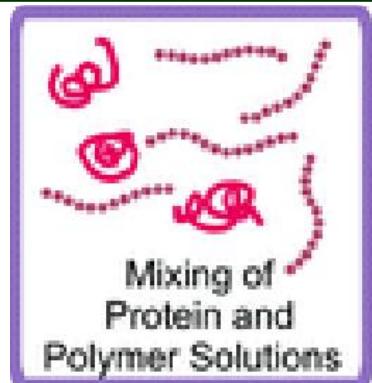


## ดร.กมล ไม้กร่าง

- Ph.D. (Materials Science and Engineering)
- maikrang@Hotmail.com
- MD 339

### Current Research

- Production of crystalline nanocellulose or cellulose nanowhiskers



### Research interest

- Biodegradable polymer
- Bionanotechnology

### Techniques

- Materials characterization
- Polymer mixing



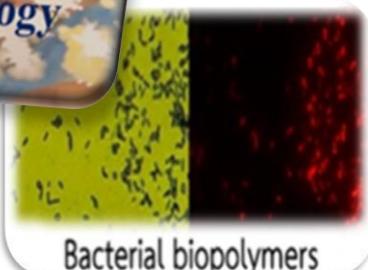
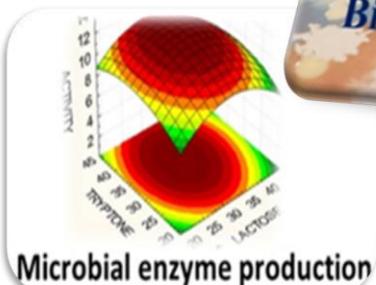
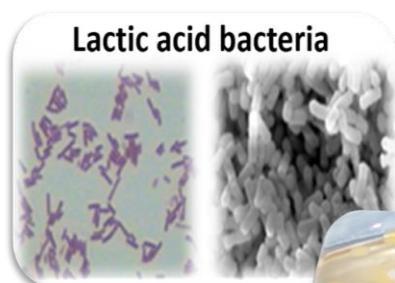
## ดร.ชัยพล ศรีพันนาม

- Ph.D. (Molecular Biology and Biotechnology)
- wattana\_spn@hotmail.com
- MD419



### Current Research

- Bioactive compounds of lactic acid bacteria
- Microbial biopolymer



### Research interest

- Prebiotics and Probiotics Lactic acid bacteria
- Microbial biopolymer and applications

### Techniques

- Microbial Production of Bioactive Compounds
- Bioactive compounds extraction
- Antimicrobial assay



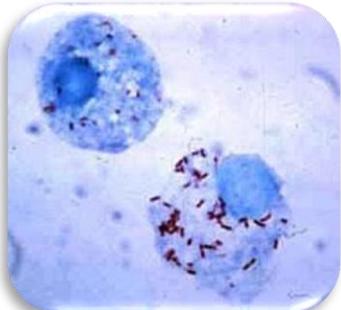
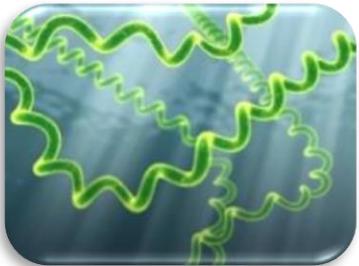
## ดร.สราวนุร สัตยากวี

- Ph.D. (Molecular Biology and Biotechnology)
- sarawutsat@nu.ac.th
- MD140



### Current Research

- การพัฒนาผลิตภัณฑ์สุขภาพแนวใหม่จากสาหร่ายอาร์โธสไปร่า พลาเท็นซิล
- การสกัดน้ำมันนางฟ้าจากไนน้ำนางฟ้าไทย
- ผลของไก่ดำต่อระดับกรดยูริกในเลือด



### Research interest

- วัสดุชีวภาพ
- อาหารเชิงหน้าที่
- สารออกฤทธิ์ทางชีวภาพจากธรรมชาติ

### Techniques

- Bioprocess
- Chromatography: LC-MS , GC-MS
- Metabolomics

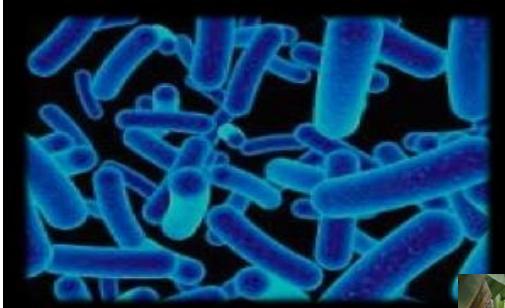


## ดร.ภาณุภูมิ ทรัพย์สุนทร

- Ph.D. (Bioengineering)
- pakpoomton@gmail.com
- MD419/2

### Current Research

- Sequence-specific antimicrobial for Acinetobacter bacteria
- Developing microbial biocontrol for banana plantation



### Research interest

- Synthetic biology
- Microbiome, biofilm
- Gene regulatory network

### Techniques

- Computational biology
- DNA assembly / genome edition
- FACS, fluorescent microscopy