



DEMONSTRATION SCHOOL,
UNIVERSITY OF PHAYAO



DR.RER.NAT CHATCHAWAL WONGCHAI

DEPUTY DIRECTOR, STUDENT AFFAIRS

WORK EXPERIENCE

- 2023-PRESENT: UNESCO-UCCN (UP)
(DEPUTY MANAGER)
- 2022-2024: SCIENCE CLASS ROOM EXPERTIST
- 2020-2021: VICE-PRESIDENT (UP)
- 2019-2020: ASSISTANT TO THE PRESIDENT (UP)
- 2016-2018: EDUCATION BUDGET MAKER
(NORTHERN THAILAND)
- 2000: COBRA GOLD 2000-CIVIL AFFAIRS
DEVELOPMENT (THAI AIR FORCE-US
NAVY)
- 1998: 13TH ASIAN GAMES-SPORT INFORMATION
OFFICE

CONTACT

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WORK PLACE:

- 1.DEMONSTRATION SCHOOL UNIVERSITY
OF PHAYAO
- 2.DIVISION BIOLOGY, SCHOOL OF SCIENCE,
UNIVERSITY OF PHAYAO
PHAYAO, 56000, THAILAND

CERTIFICATE

HSI ADULT FIRST AID I CPR AED ALL AGES
(2020)-DC CLASS. HSI- APPROVED
TRAINING CENTER (BEAT CPR TRAINING
CENTER, THAILAND).
MEDIC FIRST AID - AMERICAN SAFETY &
HEALTH INSTITUTE - EMS SAFETY

EXPERT

NATURAL SCIENCE
PLANT PHYSIOLOGY
CELL BIOLOGY
BOTANY
UNESCO-UCCN

EDUCATIONAL RECORD

- 2014: POSTDOC- NATURAL SCIENCE (PLANT PHYSIOLOGY-CELL
BIOLOGY) - UNIVERSITY OF SALZBURG, AUSTRIA
- 2013: DOCTOR OF NATURAL SCIENCE (PLANT PHYSIOLOGY-CELL
BIOLOGY) - UNIVERSITY OF SALZBURG, AUSTRIA
- 2005: MASTER OF SCIENCE (BOTANY), CHULALONGKORN
UNIVERSITY, THAILAND
- 2000: BACHELOR OF SCIENCE (BOTANY), CHULALONGKORN
UNIVERSITY, THAILAND

RESEARCH OUTPUT

- METHAWIN KOETKHIAO, ANCHALEE CHAIDEE, WOLFGANG PFEIFFER, TOSHIMASA
SUGIE, **CHATCHAWAL WONGCHAI**. 2025. ROOT BORDER CELL PRODUCTION OF
JAPANESE RICE (ORYZA SATIVA L. SP. JAPONICACV. KOSHIHIKARI) UNDER SALT
STRESS. PROCEEDINGS OF THE 16TH SCIENCE RESEARCH CONFERENCE (HARMONY
OF SCIENCE IN EXTREME CLIMATE ERA). 27-28 FEBRUARY 2025. PP. 127-134.
- THANAKON CHAICHANA , HATHAIRAT LAKSUK , PHOPGAO PUTTHARAK, ANCHALEE
CHAIDEE AND **CHATCHAWAL WONGCHAI**. 2025. DEVELOPMENT OF PHYTO-STEM
CELL FROM GOLDEN GARDENIA (GARDENIA SOOTEPENSIS HUTCH.) IN WILDFIRE
THREATENED AREA. PROCEEDINGS OF THE 16TH SCIENCE RESEARCH CONFERENCE
(HARMONY OF SCIENCE IN EXTREME CLIMATE ERA). 27-28 FEBRUARY 2025. PP. 143-
151.
- TITIWUT RUAMSUK, ANCHALEE CHAIDEE, WOLFGANG PFEIFFER, SUCHAPHAT
KONGTHONG AND **CHATCHAWAL WONGCHAI**. 2025. THE SURVEY AND MAPPING OF
PLANTS FOR ECOTOURISM IN THE SURROUNDING AREAS OF THAM LUANG-KHUN
NAM NANG NON NATIONAL PARK (PREPARATORY), CHIANG RAI PROVINCE.
PROCEEDINGS OF THE 16TH SCIENCE RESEARCH CONFERENCE (HARMONY OF
SCIENCE IN EXTREME CLIMATE ERA). 27-28 FEBRUARY 2025. PP. 119-126.
- NINMANONT, P. N., **WONGCHAI, C.**, PFEIFFER, W., & CHAIDEE, A. 2023. INTEGRATION
OF ROOT BORDER CELLS IN SALT STRESS RESPONSE OF THAI JASMINE RICE.
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE. 23:4426 - 4437.
- TEMITOPE F. ADAMS & **CHATCHAWAL WONGCHAI** & ANCHALEE CHAIDEE &
WOLFGANG PFEIFFER. 2016. SINGING IN THE TUBE"—AUDIOVISUAL ASSAY OF PLANT
OIL REPELLENT ACTIVITY AGAINST MOSQUITOES (CULEX PIPIENS). PARASITOL RES.
115:225-239.
- CHATCHAWAL WONGCHAI**, ANCHALEE CHAIDEE AND WOLFGANG PFEIFFER. 2013.
ENHANCEMENT AND QUANTIFICATION OF REPELLENT ACTIVITY IN CHENOPODIUM
CELLS. ARTHROPOD-PLANT INTERACTIONS. 7:69-82.
- CHATCHAWAL WONGCHAI**, ANCHALEE CHAIDEE AND WOLFGANG PFEIFFER. 2012.
MULTIVARIATE ANALYSES OF SALT STRESS AND METABOLITE SENSING IN AUTO-
AND HETEROTROPH CHENOPODIUM CELL SUSPENSIONS. PLANT BIOLOGY 14: 129-
141.
- CHAIDEE A., **WONGCHAI C.** AND PFEIFFER W. EXTRACELLULAR ALKALINE
PHOSPHATASE IS A SENSITIVE MARKER FOR CELLULAR STIMULATION AND
EXOCYTOSIS IN HETEROTROPH CELL CULTURE OF CHENOPODIUM RUBRUM. 2008.
JOURNAL OF PLANT PHYSIOLOGY. 165:1655-1666.

ONGOING RESEARCH

STRESS IN RICE PLANT - PLANT TISSUE CULTURE - GROWING PLANT IN SPACE