

TUANG ZA KHAI

Department of Plant Pathology and Microbiology, Institute of Environmental Sciences, The
Robert H. Smith Faculty of Agriculture, Food and Environment,
The Hebrew University of Jerusalem, Israel
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EDUCATION AND POSTDOCTORAL WORK

The Hebrew University of Jerusalem

Postdoctoral Fellow

2022 - Present

Department of Plant Pathology and Microbiology,
Institute of Environmental Sciences, The Robert H. Smith Faculty of Agriculture,
Food and Environment. Main project: **“Mode of action of type III secretion system.”**
Host: Professor Saul Burdman

Central China Normal University

PhD Degree obtained

2016 - 2020

PhD in Botany, Plant Functional Genomics Laboratory,
School of Life Science, Central China Normal University, Wuhan, Hubei,
PR China. Dissertation title: **“Study on molecular mechanism of
cross-activation of temperature stress response by pathogen infection
in *Arabidopsis thaliana*.”**
90.6% with 4.0 GPA
Supervisor: Professor Wannian Yang

University of Kalay

MSc (Credit) Degree obtained

2008 - 2010

MSc (Credit) in Botany, Department of Botany, University of Kalay,
Kalay, Sagaing, Myanmar. Thesis title: **“Taxonomic study on some
species of family Orchidaceae in Carmel Mount, Northern Chin
State.”**
4.75 GPA
Supervisor: Daw Win Nwe

University of Kalay

BSc (Honors) Degree obtained

2003 - 2008

BSc (Honors) (with first-class, second division) in Botany,
Department of Botany, University of Kalay, Kalay, Sagaing, Myanmar.
3.50 GPA

RESEARCH EXPERIENCE

The Hebrew University of Jerusalem

Postdoctoral Researcher

2022 - Present

Conducted primary source research at numerous archives, examining
publication history through multiple sources.

Central China Normal University
Doctoral Researcher 2017 - 2020
 Conducted primary source research at numerous archives, examining publication history through multiple sources.

Central China Normal University
Research Assistant 2016 - 2017
 Assistant to Dr. Zhenjiang Wu, conducting primary and secondary source research.

University of Kalay
Research Assistant 2015 - 2016
 Assistant to Professor San San Oo, conducting primary and secondary source research.

University of Kalay
Research Assistant 2014 - 2015
 Assistant to Professor San San Maw, conducting primary and secondary source research.

TEACHING EXPERIENCE

National University of the Union of Myanmar - Global Campus (NUUM)
Lecturer – “Molecular Biology” 2021 - Present
 Developed syllabus and overall course structure, including weekly lab practicum (online).

Lecturer – “Plant Physiology” 2020 - 2021
 Developed syllabus and overall course structure, including weekly lab practicum.

Assistant Lecturer – “Basic Concepts of Applied Botany” 2014 - 2016
 Collaborated on curriculum and exam development, met with students upon request, and graded all written work, including final exam papers.

MENTOR EXPERIENCE

The Hebrew University of Jerusalem
Linoy Biton 2023
 B.Sc. students (research exercise), Tel Aviv University.

The Hebrew University of Jerusalem
Mario Mircea Chiaburu 2022
 M.Sc. student (visiting student), Pablo de Olavide University of Seville.

Central China Normal University
Gui Mengling 2019
 M.Sc. student, Central China Normal University, PR, China.

OTHER EMPLOYMENTS

UNICEF-TBC

Assistant Manager – “Child Right & Child Protection” 2012 - 2014

Collaborated with the Manager in managing and reporting monthly works.

Senior Trainer – “Child Right & Child Protection” 2010 - 2012

Work closely with children, adults, and community leaders in Tedim Township to raise awareness of children’s rights and make child protection a priority.

SELECTED TALKS AND CONFERENCES

Conference of The Research Center for Agriculture, Environment, and Natural Resources 05. 03. 2023

Attended the conference which held at Bolotin Farm, Rehovot.

The 2nd The Robert H. Smith Faculty of Agriculture Student Conference 28. 02. 2023

Attended the conference which held at the Ariowitsch Auditorium, The Robert H. Smith Faculty of Agriculture, Food and Environment.

11th Conference of the Israel Society of Crop and Vegetable Sciences 16-17. 02. 2023

Attended the conference which held in the Ariowitsch Auditorium, The Robert H. Smith Faculty of Agriculture, Food and Environment.

Guizhishan Young Researchers Forum 13. 06. 2020

Title: *‘Flg22-triggered immunity mediated balancing between the tradeoff between growth and defense upon freezing stress in Arabidopsis’*. Conducted by Central China Normal University via Voov Meeting.

Workshop on Phyllosphere Microbiota Homeostasis and Plant Health 11. 05. 2020

Attended a virtual workshop on Phyllosphere Microbiota Homeostasis and Plant Health via Voov Meeting, conducted by the Canadian Society of Plant Biologists (CSBP).

Academic Exchange Seminar between the University of Wisconsin–Madison and Central China Normal University 27. 10. 2018

Title: *‘Pst DC3000 infection impacts abiotic stresses response in Arabidopsis through altering global transcriptome.’* held at Conference Hall, School of Life Science, Central China Normal University.

The 19th Academic Conference & 10th Members Congress of Hubei Plant Physiology Institute 27-28. 06. 2018

Attended the conference of the 19th Academic Conference & 10th Members Congress of Hubei Plant Physiology Institute, held at Science Hall, Central China Normal University.

SELECTED AWARDS AND CERTIFICATES

Valazzi Pikovsky Postdoctoral Fellowship

(A postdoctoral fellowship from Valazzi Pikovsky)

2022

Chinese Government Scholarship

(Ph.D. Scholarship from China Scholarship Council)

2016

Certificate in International Relations

(Completed training on international relations, Ministry of Education, Department of Higher Education (Upper), University of Kalay)

2015

Certificate in Elchet1/2014

(Completed the English Language Course for Higher Education Teachers (ELCHET1/2014), Ministry of Education, Department of Higher Education (Lower), National Centre for English Language, Yangon University)

2014

MEMBERSHIPS

NYAS

The New York Academy of Sciences (NYAS), USA

Since 2022

MRSB

Royal Society of Biology, UK

Since 2017

LANGUAGES

Zomi (Chin): native language
 Burmese: speak fluently, read, and write with high proficiency
 English: speak, read, and write with proficiency
 Chinese: basic

SKILLS

DNA
 RNA
 PCR (RT-PCR and RT-qPCR)
 Transcriptome

REFERENCES

Saul Burdman (Postdoctoral Host)

PhD; Professor, Dean

Plant Pathology, Ruth Ochberg Chair in Agriculture

Dean, The Robert H. Smith Faculty of Agriculture, Food and Environment.

The Hebrew University of Jerusalem

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Wannian Yang, (Doctoral Supervisor)

PhD; Professor
Plant Functional Genomics Laboratory,
School of Life Science, Central China Normal University,
152 Luo-Yu Avenue, Wuhan 430079, PR China
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Mobile Ph: +8615927276468
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Zhenjiang Wu (Co-worker during Doctoral Study)

PhD; Lecturer
School of Life Sciences and Bioengineering
Henan University of Urban Construction
Longxiang Street, New City District,
Pingdingshan 467036, PR, China
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