Nagoya University
Graduate School of Bioagricultural Sciences
School of Agricultural Sciences

Joint Degree Program
WEBINAR SERIES

Date: July 24, 2026

Time: 16:00 (JST)
Thailand 14:00 / Perth 15:00

Dr. Supatida Abdullakasim
Associate Professor
Faculty of Agriculture at Kamphaeng Saen,
Kasetsart University, Thailand

Enhancing *Perilla* Leaf Yield and Internode Length via Day Extension LED Light and Gibberellin Gene Activation

This study investigated using LED day extension (DE) to prolong the vegetative phase and maximize leaf yield in *Perilla frutescens*. Various light spectra (white, red, blue, 1R:1B, far-red, and 1R:1Fr) were applied for 4 hours daily. DE-1R:1Fr was most effective, extending the vegetative phase to 125 days and significantly increasing harvested leaf yield. Far-red light alone triggered early flowering by upregulating the *PfFT1* gene. Molecular analysis revealed that DE influenced gibberellin biosynthesis through *PfGA3ox* and *PfGA20ox* expression. Consequently, DE with white or 1R:1Fr LEDs is recommended to delay flowering and enhance commercial yield.

Program

16:00 Research Talk
17:00 Information Session on the Joint PhD program

Registration

via the form,
to receive the Zoom link.
https://forms.gle/AW3Sz1FNZAcinP9W8

Open to all — students, faculty, and researchers welcome!

About the Joint PhD Program

The Graduate School of Bioagricultural Sciences at Nagoya University offers two Joint PhD Programs with partner universities: Kasetsart University or The University of Western Australia. Students earn a single PhD degree jointly awarded by Nagoya University and the partner university, with opportunities for joint research collaboration and cultural exchange.

https://www.agr.nagoya-u.ac.jp/international-exchange/ku-jdp_new.html

https://www.agr.nagoya-u.ac.jp/english/academics/uwa-jdp_e.html

Nagoya University
Graduate School of Bioagricultural Sciences
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ジョイントディグリープログラム
WEBINAR SERIES

2026年7月24日(金)
16:00 日本
14:00 タイ / 15:00 パース

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プログラム

16:00 講演
17:00 ジョイントディグリープログラムの紹介、相談(日本語/英語)

参加登録

フォームからご登録いただくとZoomリンクをお送りします。
https://forms.gle/AW3Sz1FNZAcinP9W8

学生・教職員・研究員の方はどなたでもご参加いただけます。

ジョイントディグリープログラムについて

名古屋大学大学院生命農学研究科が設置する国際連携生命農学専攻は、本学と連携大学（カセサート大学または西オーストラリア大学）が共同で起草した履修内容を、両大学の教員が指導し、共同で単一の学位を授与する博士後期課程のジョイントディグリープログラムです。本専攻の学生は期間中に連携大学に一定期間滞在し、共同研究や文化的交流などを実施、体験します。

KASETSART UNIVERSITY
https://www.agr.nagoya-u.ac.jp/international-exchange/ku-jdp_new.html

THE UNIVERSITY OF WESTERN AUSTRALIA
https://www.agr.nagoya-u.ac.jp/international-exchange/uwa-jdp_new.html