



แก่นเกษตร

KHON KAEN AGRICULTURE JOURNAL

❖ **Khon Kaen Agriculture Journal** belongs to Faculty of Agriculture, Khon Kaen University. The academic articles on the subject of agriculture and related areas will be published 6 volumes per year; quarterly 1) Jan.-Feb. 2) Mar.-Apr. 3) May.-Jun. 4) Jul.-Aug 5) Sep.-Oct. and 6 Nov.-Dec. All research and reviewed articles have been approved by invited internal and external reviewers and the journal has been accepted for the second academic articles and started from the eleventh Royal Golden Jubilee Ph.D. student.

❖ **Submitted articles** can be research articles, review articles, technical notes, translate articles, academic comments, which useful to agriculture areas. Only original articles can be submitted. At least one author must be a member of Khon Kaen Agriculture Journal.

❖ **Contact** For more information, please contact:

KAJ Editor
Faculty of Agriculture, Khon Kaen University
Khon Kaen 40002
Tel/Fax. 66-43-202360, 083-3435926
E-mail: agkasetkaj@gmail.com
Website: <http://ag2.kku.ac.th/kaj>

Member Registration & Manuscript Preparation Board

Miss. Jawapa Sirikan Khon Kaen University

Advisory Committee

Prof.Dr. Monchai Duangjinda	Khon Kaen University
Prof.Dr. Virod Pattarajinda	Khon Kaen University

Editor

Assoc.Prof.Dr.Poramate Banterng	Khon Kaen University
---------------------------------	----------------------

Associate Editor

Assoc.Prof.Dr.Chuleemas Boonthaiwai	Khon Kaen University
Assoc.Prof.Dr.Supaporn Pongchompu	Khon Kaen University
Assist.Prof.Dr.Samsamorn Gawborisut	Khon Kaen University
Assist.Prof.Dr.Panupon Hongpakdee	Khon Kaen University

Editorial Board

Prof.Dr. Aran Patanothai	Khon Kaen University
Prof.Dr. Pimpoon Keerati-Kasikorn	Khon Kaen University
Prof.Dr. Anan Poltanee	Khon Kaen University
Prof.Dr. Metha Wanapat	Khon Kaen University
Prof.Dr. Niwat Sanoamuang	Khon Kaen University
Prof.Dr. Sanan Jogloy	Khon Kaen University
Prof.Dr. Patma Vitayakon Rambo	Khon Kaen University
Prof.Dr. Yupa Hanboonsong	Khon Kaen University
Assoc.Prof.Dr. Suchint Simaraks	Khon Kaen University
Assoc.Prof.Dr. Nucharee Siri	Khon Kaen University
Prof.Dr. Chalong Wachirapakorn	Khon Kaen University
Assoc.Prof.Dr.Sungcom Techawongstien	Khon Kaen University
Assoc.Prof.Dr. Bhalang Surihan	Khon Kaen University
Assoc.Prof.Dr. Darunee Jothiyangkoon	Khon Kaen University
Prof.Dr. Winai Pralomkarn	Walailak University
Prof.Dr. Attachai Jintrawet	Chaingmai University
Assoc.Prof.Dr. Prasertporn Samitamana	Chaingmai University
Assoc.Prof.Dr. Adisorn Krasaechai	Chaingmai University
Associate.Prof.Dr. Avorn Opatpatanakit	Chaingmai University
Associate.Prof.Dr. Yanin Opatpatanakit	Maejo University
Prof.Dr. Paisarn Laosuwan	Hatyai University
Prof.Dr. Siriwat Wongsiri	Chulalongkorn University
Prof.Dr. Uthairat Nanakorn	Krasetart University
Prof.Dr. Thaweesak Songserm	Krasetart University
Prof.Dr. Tipvadee Attathom	Krasetart University
Assoc.Prof.Dr. Nuanjan Paraksa	Krasetart University
Assist.Prof.Dr. Panwadee Sopannarath	Krasetart University