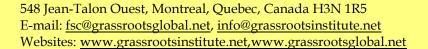


Summer Field School [Online] on MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT Ivano-Frankivsk Region, Ukraine :: 19-28 September, 2021

DELEGATE PARTICIPANT'S PROFILE

	Dr. Elisa Azura Azman
	Senior Lecturer
	Department of Crop Science
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Highest Education	PhD (Agricultural and Life Science)
Personal Statement	A teacher, researcher and traveler. Dr. Elisa Azura Azman pursued
	and completed Doctor of Philosophy (PhD) from the Graduate
	School of Agricultural and Life Science, The University of Tokyo,
	Japan (2016). She has been actively engaged and presented in
	international and local seminars, posters and lectures and served as
	moderator/evaluators in Japan, Malaysia, Thailand, USA, Spain,
	UK etc. She started her career as an academician in 2017, as a Senior
	Lecturer at the Faculty of Sustainable Agriculture, Universiti
	Malaysia Sabah (UMS), and moved to Universiti Putra Malaysia
	(UPM) (Department of Crop Science, Faculty of Agriculture) from
	2019 onwards. Her research interest is in the field of agronomy,
	organic farming, and sustainable farm system and fertiliser
	management for sustainable and quality agriculture food
	production. Elisa Azura has published several academic writings
	(from research) related to her field in journal (9 journals), chapter in
	books (1). Currently, her h-index is 5 with 77 citations (Scopus) and
	6 h-index with 140 citations in Google Scholar Citation.
Paper/Presentation	Biofertilizer: Azolla pinnata in-combination with Inorganic Fertilizer on
Title (Unpublished	Growth and Yield of Rice
Research or Review or	
Field Work)	
Keywords	Sustainable farming; Soil fertility; Environmentally friendly; Rice
	production; Green farming





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Abstract (100-300	Azolla has been used as a biofertilizer and green manure for the
words)	rice crop due to its N-fixing abilities. A study was conducted at
Words)	
	MARDI Seberang Perai, Penang. This study aims to examine the
	effect of Azolla pinnata on the growth and performance of MR 297
	rice variety. The experiment consisted of five treatments; PK +
	Azolla (T1); NP + Azolla (T2); NK + Azolla (T3); NPK-Control (T4)
	and Azolla only (T5). Each treatment has four replications. The
	experimental design used was a complete randomized block design
	(RCBD) and all data collected were analyzed using one-way
	ANOVA with a statistically significant 0.05% test. For the soil
	analysis all soil analyses showed a decrease in soil properties
	except Total N (%) and organic carbon (%). There is a significant
	influence on treatment on the tiller number, the number of panicles
	and the yield per pot. There is a significant influence on treatment
	on plant height and SPAD value in crop growth performance. In
	the analysis of plant nutrients, there was no significant treatment
	effect on N and P. In contrast, there was a significant treatment
	effect on K. This study showed that Azolla are potential to be used
	as a biofertilizer on rice field because the soil treated with
	NK+Azolla show a comparable result with soil treated with
	inorganic fertilizer without <i>azolla</i> on the total yield.
More Information	https://scholar.google.com/citations?user=1_vB2hcAAAAJ&hl=en
(weblinks)	