ICOM11 Participation Report (ICOM11 参加報告書) Y Phoura (イ フォクラ)

This is a participation report of ICOM11 from Y Phoura, a third-year doctoral student from The University of Tokyo. ICOM11 was abbreviated from "The 11th International Conference on Mycorrhiza". With partial financial support from JCOM, I joined the international conference for the first time and the first time held online via Zoom Meeting from August 1 to 5, 2022, in Beijing, China (Fig. 1). The conference was divided into three main parts: plenary speech, poster session, and oral session. I presented my two-year research data in one of the 11 poster sessions, Mycorrhiza & Agriculture.

My poster's title was "Infection of arbuscular mycorrhizal fungi on rice and pearl millet under three irrigation regimes in the upland field." The study aimed to investigate the conservativeness of the infection to different irrigation regimes under the upland. The results showed that the infection rates by microscopic observation and molecular quantification were conservative regardless of irrigation regimes (Fig. 1), although plant growth and mycorrhizal communities (not shown) were reduced or changed when reducing from full-irrigation (W1) to half- and no-irrigation (W2, W3). The results also showed inoculation increased infection rates, and roots at 20-30 cm depth were more infected than roots at 0-10 cm.

Although I could not virtually present the poster to any particular audience, I learned several things from the conference. First, I could at the first time summarize my data from upland experiments 2020-2021, one of the four major experiments in my doctoral study, and present it at the international conference. Second, I have got to know many researchers in the field of mycorrhiza, including arbuscular mycorrhizal fungi. Third, last but not least, I learned about new research updates; for example, I found two of the most relevant research by Salomon et al. (2022), presenting the evaluation of commercial inoculants, and by Ramana et al. (2022), showing increasing root diameter reducing root mycorrhizal diversity (link in Fig. **1**).

The 11 th International Conference on Mycorrhiza (ICOM11) The 5 th International Molecular Mycorrhiza Meeting (iMMM5) Date: August 1 to 5, 2022, Beijing,China		Infection of arbuscular mycorrhizal fungi on rice and pearl millet under three irrigation regimes in the upland field <u>Y Phoura</u> ^{1,} , Ohtomo Ryo ² , Kamoshita Akihiko ¹ <u>1 conduct school</u> of graduational and if de Sciences, The University of Tokys, Tokys, figure, figure <u>2 National Agriculture and Food Reservice</u> Organization, Kamoshita, Japan Table 4 Mycorrhizal infection in rice and pearl millet in 3 irrigations in 2020 and 2021								
					2020+		2021			
			Treatments		A%	qPCR	M%	A%	V%	qPCR
Organizers:	Co-organizers:		W1	47.4	18.5	475	25.3	3.8	5.4	1071
International Mycorrhiza Society	College of resources and environmental Science, China Agricultural University	n Water	W2	41.5	16.0	812	25.5	2.2	3.2	1383
Mycological Society of China	Beiling Forestry University		W3	41.1	15.6	627	23.8	4.1	2.5	1038
Chinese Society for Diant Dialogy	Institute of Soil Science, Chinese Academy of Sciences		LSD (5%)	9.0	4.9	529	7.2	3.0	3.5	560
Cillinese Society for Plant biology		atio	С	45.5	15.0	638	16.4	2.6	1.8	1024
Institute of Microbiology, Chinese Academy of Science	School of Geographical Sciences, Fujian Normal University	ocul	I	42.1	17.6	-	33.3	4.1	5.5	1304
CAS Center for Excellence in Molecular Plant Science	Inner Mongolia University	<u> </u>	LSD (5%)	7.3	3.9		5.9*	2.5	2.9*	458
Sponsors: New Phytologist	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Genotype	891	44.8	16.8	645	26.3	3.3	5.2	1162
	College of Geology and Environment, Xi'an University of Science and Technology		954 TG	45.3	20.0	632	23.4	3.3	2.1	1166
	The State Key Laboratory of Mycology Institute of Microbiology Chinese Academy of Sciences		KS	42.2	13.5		-	-		-
	Withon Machinesen Exhibition Concision Co. 11d		LSD (5%)	12.1	6.5*	432	5.9	2.5	2.9*	458
Pedosphere Journal	Wurlan Mushioon Exhibition Service Co., Liu	-8	S (0-10cm)	38.0	11.3	590	23.3	1.7	3.1	918
Railing Inhibi Biotechnology Co. 1td		cbl	D (20-30cm)	48.7	22.0	687	26.4	5.0	4.3	1410
Norther OLIVICINOVOLINO Distancial Technology Co. 14			LSD (5%)	7.3**	4.0***	432	5.9	2.5**	2.9	459*
Linging QingYuanZhengBen Biomedical Technology Co., Ltd.	New Phytologist PHOSPHERE	Interactions (5%) is a set of the								ns :tion rate; evel by general

Finally, thank you, JCOM11, as the experience could not have been attained without your support.

Fig.1 ICOM11 banner (left) and poster (Y et al., 2022) in Mycorrhiza & Agriculture poster session (right). ICOM11 agenda, abstract and poster exhibition could still be accessible at icom11.casconf.cn