

Training Course on Poverty Alleviation through Juncao Technology for Women in Developing Countries

Program name	Training Course on Poverty Alleviation through Juncao Technology for Women in Developing Countries		
Organized by	Fujian Agriculture and Forestry University		
Time	2025-10-21 -- 2025-11-19	Language used	English
Countries invited	Developing Countries		
Planned number of participants	20		
Requirements for the Participants	Age	Under 45 for officials at or under director's level; Under 50 for officials at director general's level.	
	Health condition	In good health with health certificate issued by the local public hospitals; without diseases with which entry to China is disallowed by China's laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without metal diseases or epidemic diseases that are likely to cause serious threat to public health; not in the process of recovering after a major operation or in the process of acute diseases; not seriously disabled or pregnant.	
	Language competence	Ability of listening, speaking, reading and writing in English meets the requirements of training	
	others	Family members or friends shall not follow	
Venue	Fuzhou, Fujian	Weather conditions	18°C~28°C
Cities to be visited	Zhangzhou City, Xiamen City, Longyan City, Sanming City, Fujian Province Haikou City, Danzhou City, Hainan Province	Weather conditions	Zhangzhou City:18°C~29°C Xiamen City:21°C~29°C Longyan City:18°C~29°C Sanming City:16°C~28°C Haikou City:20°C~28°C Danzhou City:18°C~28°C
Remarks	<p>1.Please prepare discussion and exchange materials related to the project theme in advance; 2. Please bring formal attire, ethnic clothing, or work uniforms to attend formal events; 3. Please bring a small amount of commonly used medicines according to your own situation. It is strictly prohibited to bring in drugs that are prohibited or exceed the limit. 4. The Organizer does not provide computers. Please bring them with you if needed; 5. In principle, individuals are not allowed to change their flight tickets to or from China. If necessary, please contact the Commercial Office of the Chinese Embassy in your country to apply for a change according to the procedures; 6.If you cannot leave on time due to special circumstances, or if your flight is delayed during transit, etc., please inform the Commercial Office or contact person of the organizer in a timely manner, and to inform them of the latest flight so that they can arrange for pick-up; 7. Check if you need to re-check your baggage when connecting flights. 8. Training will be held in Fuzhou city, the flight termination is Fuzhou Changle International Airport(FOC), please check the flight itinerary thoroughly and familiarize yourself with the round-trip itinerary; 9. After the flight arrives to collect luggage, please wait patiently at the international or domestic arrival exit. The staff will pick you up with a pick-up card with your name of the organizer's name. If the waiting time exceeds 15 minutes, please contact the contact person of</p>		

	<p>the organizer.</p> <p>10. It is recommended to download and register WECHAT software in advance.</p>	
Contact information of the organizer	Contact person for the program	Mr.Lin Hui, Ms.Xue Zhixiang
	Office phone	0086-591-83789223(Mr.Lin), 0086-591-83789223(Ms.Xue)
	Mobile phone	0086-13559929569(Mr.Lin), 0086-13675013930(Ms.Xue)
	Fax	0086-591--83768494(Mr.Lin), 0086-591-83768494(Ms.Xue)
	E-mail	ljuncao@163.com(Mr.Lin), kx4906@163.com(Ms.Xue)
	Address	Juncao Center, Fujian Agriculture and Forestry University, No.15, Shangxiadian Road, Cangshan District, Fuzhou, Fujian
About the Organizer	<p>Fujian Agriculture and Forestry University (FAFU) has 89 years' history. With an area of 3,200,000 square meters in four campuses, the University has about 4,000 teachers and staff, 30,000 undergraduate and 4,500 Master Degree students. For solution of "the contradiction of mushroom vs forest" eg. the traditional mushroom industry development and forestry ecological balance, Prof. Lin Zhanxi started from 1983 the first experiments on using wild grasses to replace wood logs for edible and medicinal mushrooms cultivation, and succeeded in 1986 with the invention of "Juncao Technology", and now even extended to the areas of ecological management, production of Juncao mushroom forage, as well as ecological energy materials and etc.</p> <p>China National Engineering Research Center of Juncao Technology is the only first institution specializing as a China national level platform in the research on Juncao science and technology in the world, and fully adheres to the promotion of the new ecological friendly Juncao Industry. Starting from 1991, the Center has accomplished 80 national and provincial - ministerial levels scientific research and development projects. Since 1994, as entrusted by the Ministry of Commerce of the Chinese government, FAFU has successfully held 389 international training courses/seminar on Juncao Technology with participation of 16032 agricultural researchers and officials from 119 countries. Among them, 11034 participants were trained in the 267 training courses were held in Papua New Guinea, South Africa, Lesotho, Rwanda, Fiji, Central Africa and Samoa. The Center has also successfully implemented Juncao Technology demonstration and training projects in Papua New Guinea, South Africa, Rwanda, Lesotho, Central Africa and Fiji.</p> <p>In 2017, the Project entitled "Enhancing capacity of developing countries to achieve sustainable agriculture through the transfer of Juncao Technology for alleviating poverty and promoting productive employment" was established under China-UN Peace and Development Sub-Fund for the implementation of the 2030 Agenda for Sustainable Development.</p> <p>Website:https://english.fafu.edu.cn/</p>	
Training content	<p>1.Introduction of main courses and contents</p> <p>(1)Brief introduction of China: introduce China's natural landscape, social features, local conditions and customs, etc;</p> <p>(2) Current situation and application prospect of Juncao technology: brief introduction of the historical background, main research content, application and development prospect of Juncao technology;</p> <p>(3) Cultivation and management of Juncao: the land and environmental requirements of Juncao cultivation and growing management;</p> <p>(4) Cultivation of edible and medicinal fungi with Juncao technology: brief introduction of the cultivation technology of edible fungi with Juncao in raw material, and fermented material, as well as the formula and management measures of edible and medicinal fungi such as Lentinus edodes, Volvariella volvacea cultivated with Juncao;</p> <p>(5) The mechanism and mode of poverty alleviation of Juncao industry: the experience sharing</p>	

of poverty alleviation with Juncao technology both in and outside of China, and the successful stories of local farmers in the project countries such as in Rwanda, Tanzania and other countries;

(6) Research and application of Juncao forage: introduction of the technology and application of Juncao forage;

(7) Research and application of Juncao ecological management: Juncao desert management, Juncao sand control and fixation, Juncao mining area restoration, Juncao saline alkali land management, etc;

(8) The comprehensive utilization of Juncao spent substrate: After using Juncao to cultivate edible and medicinal fungi, the remaining Juncao spent substrate can be reused for the production of feed, fertilizers, and feed additives;

(9) Production technology of Juncao feed and fertilizer: the production and processing technology of fresh grass, forage, and specific feed, used for the processing of feed for animals such as cattle, sheep, horses, and rabbits,;

(10) Nutritional and medicinal value of Juncao mushrooms: Introduction to the nutritional and medicinal value of different edible and medicinal fungi;

(11) The processing technology of Juncao mushroom products: For markets with different demands, many fresh mushrooms need to be processed before they can be stored and transported, so the processing technology of mushroom products is an important link;

(12) Storage and processing of edible and medicinal fungi cultivated with Juncao: storage and processing methods of edible fungi such as *Lentinus edodes*, *Pleurotus ostreatus*, *Agaricus bisporus*, *Hericium erinaceus*, etc.

In addition, the training courses also include practices Juncao planting, Juncao mushroom seed production, mushroom cultivation and processing.

2. Introduction of the visiting site (Visiting and inspecting sites may be adjusted according to actual situation)

We will take the participants to visit the Juncao Industry Demonstration Base in Danzhou, Hainan province, Juncao organic fertilizer production base in Zhangzhou, Juncao poultry breeding demonstration base in Liancheng county, Longyan, Juncao industrial cultivation of edible mushrooms in Youxi county, Sanming,. Enabling them to understand the Juncao circular industry model that combines forest, grass, fungi, and livestock, the specific applications of Juncao in different fields, as well as the management mode and domestic and international sales market of industrial cultivation of edible mushrooms..

3.Introduction of lecturers

LIN Zhanxi, Chief Scientist, PhD Supervisor, has been working for 54 years with 48 years working in Fujian Agriculture and Forestry University (previously Fujian Agricultural College and Fujian Agricultural University). During this period, he was appointed by China Foundation for Poverty Alleviation as an expert of Juncao poverty alleviation project (1995), by the State Scientific and Technological Commission as a technical expert of UNDP Science and Technology Poverty Alleviation Juncao Mushroom Project (1998, 1999) and by local governments in Fujian, Guangxi, Guizhou, Shandong, Hubei, Henan and Gansu as a science and technology consultant or rural revitalization industry development consultant to serve poverty alleviation and Juncao industry development.

He was appointed as a technical advisor for the UNFIP Juncao project (2020), and since 2017, he has led the Juncao team to conduct numerous offline and online Juncao technology capacity building workshops and training sessions in China, Laos, Fiji, Madagascar, Rwanda, etc., in collaboration with the Sustainable Development Division of UN DESA.

LIU Bin, Professor, Ph.D., Postdoctoral studied in US, Doctoral Tutor; Vice-Director of China National Engineering Research Center of Juncao Technology; Director of Bioenergy Institute of Fujian Agriculture and Forestry University; Director of Food Biotechnology Laboratory of Food Science College; Reviewer of National Health Food Evaluation; Member of National Standard Group of Tool Enzyme; Peer Reviewer of National Natural Science Foundation; Member of Council of Agricultural Products Storage and Processing-Branch of CAASS; Permanent member of Chinese Society for Microbiology; Member of Council of Fujian Society for Microbiology□Editor of “Enzyme Engineering (EEG)”；Reviewer of “Process Biochemistry”, “Food Research International” and “Genes”. Researches have mainly focused on food biotechnology (functional food□rapid detection of food quality and safety□molecular

nutrition), bioenergy (thermophiles, thermostable enzymes and biogas) and deep processing and comprehensive utilization of Juncao, edible and medicinal fungi.

LIN Dongmei, Ph.D., Master's Tutor, Vice Dean of the College of Juncao and Ecology (College of Carbon Neutrality) at Fujian Agriculture and Forestry University, Deputy Director of the National Engineering Research Center of Juncao Technology and Consultant for the Juncao Project of the United Nations Peace and Development Fund. Also served as the leader of the Chinese expert group in China-Fiji Juncao Technology Demonstration Center, and have also served as the leader or member of the Juncao technology expert group for China's aid to Papua New Guinea, Rwanda, Central Africa, South Africa and other countries for a long time. Playing the role of the main person in charge and fully participated/assisted in the comprehensive operation and management of Juncao technology at home and abroad, including scientific research, teaching, promotion, poverty alleviation, training, foreign aid and other business activities. Research direction: Juncao science research; international development cooperation and sustainable development.

LIU Qinghua, Ph.D., currently serving as Associate Professor and Master's Supervisor of College of Animal Science, Fujian Agriculture and Forestry University, and Deputy Director of the National Engineering Research Center of Juncao Technology. Director of the Cattle Breeding Branch of the Chinese Society of Animal Husbandry and Veterinary Medicine and Vice President of the Herbivorous Animal Branch of the Fujian Society of Animal Husbandry and Veterinary Medicine. Chief expert in rural revitalization of herbivorous animals at Fujian Agriculture and Forestry University. Hosted over 30 projects including the Ministry of Science and Technology, Fujian Province Spark Major Science and Technology Special Project, and Natural Science Foundation, and achieved multiple scientific and technological achievements. In recent years, has edited three books and published more than 60 papers in core academic journals at home and abroad, including 2 SCI papers. Authorized 3 invention patents. Guided the establishment of more than 10 national and provincial standardized demonstration farms for livestock and poultry breeding, provided technical consultation and talent cultivation, and promoted scientific and technological innovation and achievement transformation.

LIN Hui, Director of the Training Department at the National Engineering Research Center of Juncao Technology, has long been responsible for talent cultivation and management at the center. Served as an expert in the Juncao technology cooperation project in KwaZulu Natal Province, South Africa (2005-2007), team leader of the Juncao technology expert group in Lesotho (2010-2011), and expert of the Juncao technology project in Central Africa and Zimbabwe (2019, 2025). Also served as the main lecturer for the Juncao technology international training course, and was awarded the Order of Recognition by CAR President Faustin-Archange Touadera in 2019. he has been engaged in the research of Juncao science and the promotion of Juncao industry for a long time. Participated in the writing of "Pleurotus ostreatus Cultivation with Juncao technology", "Juncao Science", etc. Hosted lots projects like scientific research projects such as "Research on Cold Resistance Mechanism and Germplasm Resource Innovation of Rhododendron genus Juncao", "Research and Demonstration of Juncao Sandstone Treatment", "Research on Key Technologies for Juncao Ecological Treatment of Sandstone in Huangfuchuan River Basin on Loess Plateau", and participated in "Application of Juncao Ganoderma lucidum and Its Effective Components", which won the second prize of Fujian Provincial Technology Invention Award, and "Research and Application of Key Technologies in Juncao Ecological Cycle Industry", which won the first prize of Fujian Provincial Science and Technology Progress Award. Research direction: Juncao science research.

LIU Penghu, Ph.D., researcher, master's supervisor, and also serves as the research secretary of the National Engineering Research Center of Juncao Technology. Director of Fujian Agricultural Society, Director of Fujian Microbiology Society, and Director of Fujian Rural Professional and Technical Association. In 2021, won the 26th Fujian Yunsheng Youth Science and Technology Award from the Fujian Yunsheng Award Foundation. Mainly engaged in the breeding of new varieties of edible fungi, collection and protection of germplasm resources, and research and development of edible fungi using resources such as Juncao and agricultural and forestry waste. Has won 5 Fujian Provincial Science and Technology Progress Awards, including 1 first prize (10th), 3 second prizes (2nd, 2nd, 7th), and 1 third prize (3rd); Obtained recognition for two new varieties of Agaricus bisporus in Fujian Province (1st and 4th); Authorized 4 invention patents; Chief editor of 1 monograph and co editor of 4 monographs; In the past 5 years, more than 40 papers have been published as first or corresponding

	<p>publications, including 5 SCI indexed papers. Research direction: Edible mushrooms. SHAO Ensi, PhD, Associate Professor, Master's Supervisor. Visited the Department of Entomology at Cornell University in the United States twice in 2013 and 2016, for academic purpose. Engaged in long-term research on biological control of pests such as Lepidoptera and Hemiptera. Proficient in using biochemical, molecular biology, microbiology, and bioinformatics methods to study the mechanism of action of insecticidal toxin proteins and the resistance mechanism of pests to toxin proteins. Has hosted and participated in multiple National Natural Science Foundation of China youth projects and general projects, as well as Fujian Provincial Natural Science Foundation projects, and participated as a key participant in a national key research and development program. Published multiple papers as the first or corresponding author in Journal of Invertebrate Pathology, Journal of Economic Entomology, Toxins, Genomics, BMC genomics, Entomology, Agricultural Biotechnology, and Applied and Environmental Biology. Research direction: Microbiology, Molecular Biology.</p>
--	---