Training Course on Technology of Low Carbon Treatment, Green and Emission Reduction of Sewage for Developing Countries

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<tr><td>Name</td><td colspan="5">TRAINING COURSE ON TECHNOLOGY OF LOW CARBON TREATMENT,GREEN AND EMISSION REDUCTION OF SEWAGE FOR DEVELOPING COUNTRIES</td></tr>
<tr><td>Organizer</td><td colspan="5">SUZHOU UNIVERSITY OF SCIENCE AND TECHNOLOGY</td></tr>
<tr><td>Time</td><td colspan="2">2023-06-28 -- 2023-07-11</td><td colspan="2">Language for Learning</td><td>English</td></tr>
<tr><td>Invited Countries</td><td colspan="5">Developing Countries</td></tr>
<tr><td>Number of Participants</td><td colspan="5">25</td></tr>
<tr><td rowspan="4">Requirements for the Participants</td><td>Age</td><td colspan="4">Under 45 for officials at or under director’s level;
under 50 for officials at director general’s level.</td></tr>
<tr><td>Health</td><td colspan="4">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.</td></tr>
<tr><td>Language</td><td colspan="4">Capable of listening, speaking, reading and writing in English during the training</td></tr>
<tr><td>others</td><td colspan="4">Family members or friends shall not follow</td></tr>
<tr><td>Host City</td><td colspan="2">Suzhou/Jiangsu</td><td>Local Temperature</td><td colspan="2">25-35℃</td></tr>
<tr><td>Cities to visit</td><td colspan="2">SuZhouShi,ShangHaiShi ,HangZhouShi</td><td>Local Temperature</td><td colspan="2">25-35℃,25-35℃,25-35℃</td></tr>
<tr><td>Notes</td><td colspan="5">1. This training is an in-class training.
2. During the teaching period, participants are required to observe the teaching time and teaching discipline. The attendance record will be used as the basis for issuing the training completion certificate.
3. Teaching discipline: Please enter the classroom in advance to prepare for class. Keep quiet during the class and communicate promptly if you have any questions.
4. Information Security: In order to protect information security and personal privacy, please do not share the course content on any social media. Course materials will be distributed to participants after class.</td></tr>
<tr><td rowspan="4">Contact of the Organizer</td><td colspan="2">Contact Person(s)</td><td colspan="3">Mr.XU LI</td></tr>
<tr><td colspan="2">Telephone</td><td colspan="3">86-512-68083225(Mr.XU)</td></tr>
<tr><td colspan="2">Cell</td><td colspan="3">86-15106207026(Mr.XU)</td></tr>
<tr><td colspan="2">Fax</td><td colspan="3">86-512-69379176(Mr.XU)</td></tr>
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	E-mail	3537711383@qq.com(Mr.XU)
About the Organizer	Suzhou university of science and technology has undertaken 73 environmental protection technical training, has trained nearly 2100 government management personnel and technical personnel from more than 100 countries since 1993. It has helped a lot of students in terms of environmental protection. After returning, many participants have expressed that they want to further their studies in China. In the past five years, the School of Environmental Science and Engineering of Suzhou University of Science and Technology has undertaken a total of 25 training courses/seminars on environmental protection technology, with the themes of environmental protection, energy conservation and emission reduction, circular economy, etc. The course included analysis of China's CO2 emission reduction, analysis of China's air pollution and treatment technology, etc., and visit the air pollution control equipment manufacturers such as Colin Group. It has rich experience in environmental protection technology training. Entrusted by the Ministry of Commerce, the University has been undertaking the Master Program of Environmental Engineering (2-year) since 2015. So far, there have been 4-year graduates, a total of 116. There are 63 students studying for Master of Environmental Engineering on campus. The number of students in need of training is increasing year by year, and we have gained rich experience. In addition, the university was approved for the first time by Jiangsu Jasmine Talent Program in 2018, and enrolled 20 self-funded international students. In 2019 and 2021, the university continued to enroll 12 and 14 self-funded master's students respectively major in environmental engineering.There are 22 students studying for this program for the moment. School of Environmental Science and Engineering has several national and provincial scientific research platforms, such as the National and Local Joint Laboratory of Urban Sewage Resource Utilization Technology, Jiangsu Key Laboratory of Environmental Science and Engineering, Jiangsu Engineering Research and Technology Center of Modern Surveying and Mapping Instrument, and Jiangsu Collaborative Innovation Center of Water Treatment Technology and Materials. In addition, facing the hot and difficult issues of current environmental protection, the school has built the Sponge City Joint Laboratory with Pritz Environmental Technology Co., Ltd., and the VOC Treatment Joint Laboratory with Simet Surface Materials Co., Ltd. Bilingual teachers are the basis for holding the training courses. Suzhou University of Science and Technology has an innovative teaching and research team in environmental engineering and science. 100% of the team members have at least one year of overseas study experience; They have an international perspective, they are familiar with the world's advanced environmental protection concepts, familiar with Suzhou, the Yangtze River Delta and China's urban pollution control experience and technology; Teachers are knowledgeable and passionate about their work. Professors are of high level, have a deep understanding of their research field, and have rich teaching and practical experience. They can teach and interact with the courses in a concise and understandable way in fluent English.	
Seminar Content	Entrusted by the Ministry of Commerce of the People's Republic of China, Suzhou University of Science and Technology (SUST) will hold Seminar On Low Carbon Development, Energy Saving And Emission Reduction For Developing Countries from June 27th to July 10th, 2023 in Suzhou. The seminar will be conducted in English. The seminar will use the methods of lectures, discussion and visit, and will invite well-known domestic professors and researchers to give lectures to participants. At the same time, it will publicize China's achievements in social, economic and ecological civilization construction since the reform and opening up, and expand exchanges and cooperation with people from other developing countries. 1.Main Courses and Introduction Seminar will be conducted due to the requirements of the Ministry of Commerce of the People's Republic of China. There will be 14 lectures. There will be 10 times of visit, cultural experience and discussions which are related to the topic. (1)Advanced wastewater treatment techniques and development trend□Introduce new technology and development trend of advanced oxidation treatment of refractory industrial water supply.	

	(2)China's Water Resources Management Challenges:It mainly includes the present situation and distribution characteristics of water resources, the existing problems, the experience and challenges of water resource management. (3)Pollution and removal challenges of new pollutants in drinking water treatment:Emerging pollutants refer to a large class of substances with low concentration in the water environment with potential impact, the water treatment facilities have uncertainty on their removal effect, resulting in their potential impact on aquatic systems and human health. This subjet introduces the existing status and treatment processes of these pollutants in the fields of water supply, sewage treatment and recycling are summarized. (4)Heavy metals removal from waste water using environmental-friendly materials:Introduce the status quo and pollution hazards of heavy metal polluted wastewater, reaction of heavy metals at solid-liquid interface, concept of green materials, construction of new low-carbon materials to effectively remove heavy metals from wastewater and case analysis. (5)Advanced Biological Sewage Treatment Technology□Towards Resource Recovery and Energy self-sufficiency:Adopting novel treatment technologies promises to evolve existing WWTPs into energy self-sufficient plants. Low energy demanding nitrogen removal processes can have a great influence to reduce the aeration energy demand. Phosphorus and organics can be trapped and recovered, thus a high resource and energy recovery can be obtained. Full-scale energy-positive WWTPs' experience shows that evolving WWTPs to energy-positive is not an unrealistic goal. 2. Visit (1Zhongxin Group Ltd (2)Ecological visit of Xietang Town (3)EverBright Group Ltd (4)Hangzhou Songcity and West Lake 3.Introduction of part lecturer (1)Shen Yaoliang□ Professor, Doctor/Post-doctorate, PhD Supervisor. He has been engaged in the theoretical teaching and scientific research of water and wastewater treatment for a long time, and is in charge of the construction of national characteristic specialty and provincial key specialty of environmental engineering. In the new anaerobic biological wastewater treatment process - ABR reactor research is in the leading position in China. (2)Li Dapeng:Professor, Vice Dean of School of Environmental Science and Engineering, mainly engaged in water treatment teaching and research activities, and has long served as a teacher for international students. (3) Xu nan:Professor, mainly engaged in Environmental Chemistry,environmental systems and instrumental analysis and etc. (4)Liu Hong: Associate Professor,mainly engaged in Environmental Microbiology (5)Li Xueyan: Professor,Engaged in water pollution control research, environmental monitoring, advanced instrument analysis and other research.