● China Biofilms 2017 · Guangzhou China

On behalf of the Organizing Committee, you are cordially invited to attend the 1st International Symposium on Biofilms (China Biofilms 2017), held on October 21-22 2017, in Guangzhou, China.

The symposium will cover subjects including characteristics of biofilms, quorum sensing in biofilms, industrially- and clinically-relevant biofilms and emerging technologies on biofilms. In the relevant fields, distinguished scholars are invited for keynote presentations, and young scientists with latest research findings from various disciplines are invited for oral presentations. This is undoubtedly the best opportunity for participants to present the recent progress and foster new collaboration. This symposium also builds a bridge between relevant enterprises in China and international universities.

Highlighted topics include:

1. Bioinformatics analysis in biofilms

2. Biofilms development and control

3. Biofilms antimicrobial resistance

4. Communication and signaling factors in biofilms

5. Rapid detection and application to biofilms bacteria

6. Virulence and toxins on clinical biofilms

7. Evolution and stress tolerance in Biofilms

8. Industrial and applied biofilms research

The Organizing Committee are making every effort to make this a memorable and valuable biofilm symposium and we hope to see you in the amazing city of Guangzhou in October 2017!

Sincerely yours

Mark Shirtliff

Zhenbo Xu

Organizing Committee

Organization

Organizers

School of Food Science and Engineering, South China University of Technology

Guangdong Province Key Laboratory for Green Processing of Natural Products and Product Safety

Engineering Research Center of Starch and Vegetable Protein Processing Ministry of Education

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Organizing Committee

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Viduranga Waisundara, Rajarata University of SL (Secretary)

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Xihong Zhao, Wuhan Institute of Technology, China

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South China University of Technology

The South China University of Technology (SCUT) is a leading educational institution in China, a public research-intensive university that is directly governed by the Chinese Ministry of Education. Located in the city of Guangzhou, a thriving metropolis in South China, it today covers a total area of 405 hectares, consisting of three campuses: the Wushan Campus, the University Town Campus, and the Guangzhou International Campus.

The university was formerly known as the South China Institute of Technology, which was first founded in 1952 by merging the engineering schools and departments of a number of major universities and polytechnic universities from five provinces in central and Southern China. After over 60 years of development, SCUT has become a multi-disciplinary university, merging science, engineering, business management, arts and social science, medicine and other disciplines into one integration. Since its founding, it has educated over 380,000 graduates at all levels.

In 2016, SCUT was ranked the world's top 300 universities by the Academic Ranking of World Universities, with its engineering placed at the 22nd place. According to Thomson Reuters' Essential Science Indicators, SCUT has chemistry, materials science, engineering, agricultural science, physics, biology and biochemistry, computer science, and environment and ecology ranked in the global top 1%.

SCUT has established connections and partnerships with over 50 overseas universities to promote student training and scientific research. Considering the importance of people as the fundamental element of education, the university always sees "the academy as the foundation, talented ones as the strength, open minds as the vitality, and the culture of the university as the energy to thrive and last". All these efforts are building SCUT as a top-ranking university in the country and a renowned world-class institution.

School of Food Science and Engineering

The School of Food Science and Engineering (SFSE) was established newly in November 2015 through the reorganization of the School of Light Industry and Food Science, however, its history can be dated back to 1952, the beginning of the University. The first degree program of the School, Sugar and Food Engineering, was started to run at that time. Currently, the school has two undergraduate programs as well as Food Science and Engineering, and Food Quality and Safety, and two postdoctoral programs, Food Science and Engineering and Light Industrial Technology and Engineering. A national evaluation of key discipline carried out in 2012 showed that the Food

Science and Engineering in the School were ranking No.3 among Chinese universities.

The School of Food Science and Engineering is one of the most important units in the University featuring high level innovative scientific research. The School has a national engineering research center (Wheat and Corn Processing Lab), a national innovation and technology platform (Starch and Plant Proteins Research Center) and several provincial/ministry scientific research institutes, such as Guangdong Key Laboratory for Green Processing and Safety of Natural Products, Guangdong Technical Center for Food Processing and Nutrition, Guangdong Lipid Science and Applied Technology Center, Guangdong International Collaborate Center for Sugar Green Processing, etc.

The School takes the student education as the primary task and provides perfect environment for personal development of every student. Now, in total of 1234 students, including 521 undergraduates and 713 graduates are studying in the school. The School has extensive communication and cooperation with many top-level oversea universities and research institutes such as Cornel University, Queensland University, Rutgers University and Kyoto University. Nearly one

hundred scientists, faculties and students were actively involved in the international communication and cooperation through lecture, seminar, conference, or being visiting scholars and exchange students.

Guangdong Provincial Key Laboratory of Green Agricultural Products Processing

Guangdong Provincial Laboratory of Green Agricultural Products Processing was set up by Educational Bureau of Guangdong Province and Financial Department of Guangdong Province in 2005, and it was also supported by the funds for high education construction sponsored by Guangdong government, and relied on laboratory of scientific research built by College of Light Industry and Food Science in South China University of Technology. The current director of this laboratory is Dr. Lin Li, the president of Dongguan University of Technology.



This laboratory focuses on investigating technology problem occurring in the processing of green agricultural products, and utilizes the corresponding core technology and critical equipment. Therefore, it facilitates development of food science technology in Guangdong Province, and helps the advancement in science and technology of agriculture products processing and food industry. As a result, it has strengthened the market competition of this field in China.

This key laboratory combines the predominant resource of National Key Disciplines of first year subject “Light Industry Technology and Engineering” and second year subject “Food Science”. Presently, there are 33 faculties and staffs, including 19 professors, 11 associate professors, 3 post-doctors. It has the principal investigators in charge of 28 national scientific research projects, and received 8 provincial level awards for their achievements.

Now, a platform of program “985” (class II), the innovation platform of food processing and safety, is established based on this key laboratory. The research space for this platform is 3000 m^2, which equipped with many advanced instruments that used for testing physical and chemistry parameters, analyzing microstructure, and evaluating the safety of foods. The total value of these

facilities is greater than 50 million RMB. The space for pilot-scale working shop at this laboratory is 2600 m^2, which is capable to simulate a small-scale industrialized production.

Ministry of Education Engineering Center on Deep Processing of Starch and Vegetable Protein

The Center was approved to construction in June 2006 by the National Ministry of Education. It is affiliated to the College of Light Industry and Food Science in South China University of Technology. The current director of this laboratory is Professor Li Lin, the president of Dongguan University of Technology.

Starch and vegetable protein are the bulk of agricultural products playing important roles in the national economy. Aiming at resolving the critical and common technical issues in the extensive processing of starch and plant protein, basing on technology innovation, integrating current basic conditions and facilities, the Center established advanced platforms for key techniques and equipment engineering technology. Its main task is to develop new techniques and methods of starch and vegetable protein green processing. By building the good platforms for R&D and system integration, by cultivating and gathering high-level innovation talents, the Center is dedicated to serve the State's economic construction and development directly.

At present, the Center has established complete conditions and facilities for research and environment for engineering verification. We have experimental base with total space of 3000 m^2, and instruments and equipment valued at more than 50 million RMB. We have constructed three pilot production lines for 300 kg modified protein, 400 kg starch-based biodegradable materials and 200 kg of functional oligosaccharides daily respectively. We have also set up three production trials bases in the leading enterprises.

Relying on "Light Industrial Technology and Engineering", the first level national key discipline and "Food Science", the second level national key discipline, the Center has set up a research and development team of 46 members for R&D, application and evaluation of engineering. Members include nineteen professors, fourteen associate professors, ten lecturers (or engineers), and three post-doctoral researchers.

President

Mark Shirtliff

Professor, School of Dentistry

Professor, School of Medicine

University of Maryland, Baltimore, United States

Presentation: *In vivo* Utilization of Omics for Translational Applications

Dr. Shirtliff had studied in University of Houston from 1987-1993 (for B.S.) and in University of Texas from 1994-2001 (for Ph.D., with his thesis entitled "*Staphylococcus aureus*: Roles in Osteomyelitis"). After spending 3 years in Center for Biofilm Engineering as postdoctoral fellow (2000-2002) and assistant research professor (2002-2003), Dr. Shirtliff was appointed in University of Maryland as assistant professor in 2003 and as associate professor in 2010. At present, he is a professor of both Department of Microbial Pathogenesis in School of Dentistry and Department of Microbiology and Immunology in School of Medicine, University of Maryland.

Dr. Shirtliff has have trained as a microbiologist specializing in both in vitro and in vivo systems for the study of biofilms for over 25 years. As an indication of his expertise on the subjects of biofilm-forming microbes and their relation to infectious disease and pathogenesis, he has presented his scientific findings on the subject at 110 meetings and symposia and have orally presented at over 100 national and international meetings/seminars. He has also authored over 120 peer-reviewed scientific papers and book chapters on pathogenic microbes, both their biofilm mode of growth and the chronic diseases that they cause. Dr. Shirtliff has a strong background in organizing highly skilled colleagues in multidisciplinary research. He also has a strong working knowledge of budget development and have obtained over $8 million from state, national (NIH and DOD), and international funding agencies in the past 10 years. He has served on 35 graduate committees and was the primary advisor on 11 graduate students committees (8 PhD, 3 Masters). He has also mentored five postdoctoral fellows, three of which have progressed to faculty positions at other

institutions.

Co-president

Lin Li

Professor, School of Food Science and Engineering

Head of Saccharide Engineering

South China University of Technology, Guangzhou, China

Dr. Li had studied at South China University of Technology, and received bachelor's, master's and doctoral degrees in Saccharide Engineering from 1978 to 1988. Since 2004, Dr. Li had become the vice president of South China University of Technology until 2013 when he started serving as the president of Dongguan University of Technology. In addition to management in universities and schools, Dr. Li has been engaged in research work in the field of food science and technology. His major research field include nutritional composition changes during food processing, theory and technology on microbiology and hazard chemicals production and control in food, industrial technology and equipment on food production.

Dean

Xin'an Zeng

Professor, School of Food Science and Engineering

South China University of Technology, Guangzhou, China

Dr. Zeng had graduated from Xiangtan University for bachelor's degree in 1994, and received master's and doctoral degrees in Food Engineering in South China University of Technology in 1997 and 2001, respectively. Dr. Zeng has participated in many international conferences and has visited more than 10 universities in different countries including Canada, Australia, New Zealand, Britain, Germany, France, Singapore, South Africa and Vietnam. At present, his major research field include food non-thermal processing, green brewing and sensory evaluation research. Nearly 5 years he

presides over three National Science Funds.

Agenda

Oct 22nd 2017

Time	Content
8:00-8:05	**Opening Ceremony** **Dr. Lin Li, South China University of Technology, CHN**
8:05-8:15	**Welcome Greeting and Introduction** **Dr. Xin'an Zeng, South China University of Technology, CHN**
8:15-8:30	**Photographing**
Morning Session Chair: Dr. Mark Shirtliff & Dr. Bing Li	
8:30-9:00	**In vivo Utilization of Omics for Translational Applications** **Dr. Mark Shirtliff, University of Maryland, US**
9:00-9:30	**Dispersing Biofilms in vivo** **Dr. Kendra Rumbaugh, Texas Tech University, US**
9:30-10:00	**Real Time Monitoring of Bacteria by SPR Biosensor** **Dr. Chii-Wann Lin, National Taiwan University, TWN**
10:00-10:15	**Rapid Detection on VBNC, Biofilm Genetics and Toxins of Various Bacteria** **Dr. Xihong Zhao, Wuhan Institute of Technology, CHN**
10:15-10:30	**Coffee break**
10:30-11:00	**Mechanisms of Tolerance in Bacterial Biofilms** **Dr. Tom Coenye, Ghent University, BEL**
11:00-11:30	**Developed Microbial Biofilms as Biofertilizers in Agriculture and Plantations** **Dr. Gamini Seneviratne, National Institute of Fundamental Studies, SL**
11:30-12:00	**Bioinformatics on Bacterial Genomes, Transcriptomes and Proteomes** **Dr. Da Qi, University of Liverpool, UK**

12:00-12:30	**Phototrophic Biofilms: The Potential Applications and A Study for Aquaculture Wastewater Treatment** **Dr. Wanling Tang, Temasek Polytechnic, SIN**
12:30-12:45	**Inhibition of Bacterial Biofilms by d-Borneol** **Dr. Jianyu Su, South China University of Technology, CHN**
13:00-14:15	**Lunch at Xihu Hotel**
Afternoon Session Chair: Dr. Brian Peters & Dr. Zhenbo Xu	
14:30-15:00	**Fungal and Polymicrobial Biofilms: Basic Biology to Clinical Relevance** **Dr. Brian Peters, University of Tennessee, US**
15:00-15:30	**Immunization Strategies Against *Staphylococcus aureus* Biofilms** **Dr. Janette Harro, University of Maryland, US**
15:30-16:00	**Title to be determined** **Dr. Chunlei Shi, Shanghai Jiaotong University, CHN**
16:00-16:15	**VBNC Status of Bacteria within Biofilms** **Dr. Yang Deng, State Key Laboratory of Biological Fermentation Engineering of Beer, CHN**
16:15-16:30	**Coffee break**
16:30-17:00	**Bacterial Biofilm in Food Safety Control** **Dr. Zhenbo Xu, South China University of Technology, CHN**
17:00-17:30	**Epidemiology on Biofilm of *Staphylococcus* and Surveillance on Antimicrobial Resistance in Southern China** **Dr. Dingqiang Chen, The University of Hong Kong, HK**
17:30-18:00	**Usage of The Kombucha 'Tea Fungus' Biofilm for Value-addition of Tea (*Camellia sinesis*)** **Dr. Viduranga Waisundara, Rajarata University of Sri Lanka, SL**
18:00-18:30	**Electroactive Biofilm: A Versatile Platform for Environmental and Industrial Application** **Dr. Jian Sun, Guangdong University of Technology, CHN**

18:30-18:45	**Role of Blp-1 on The Polymicrobial Interaction of *Candida albicans*** **Ms. Junyan Liu, University of Tennessee, US**
19:00-21:00	**Dinner and networking activities at Xihu Hotel**

Speakers

Tom Coenye

Professor, Laboratory of Pharmaceutical Microbiology

Ghent University Ghent, Belgium

Presentation: Mechanisms of Tolerance in Bacterial Biofilms

Dr. Coenye graduated as MSc in Biochemistry at Ghent University in 1996. In 2000, he obtained Ph.D. with the thesis "New insights in the Burkholderia taxonomy and diagnosis of Burkholderia cepacia complex infections in cystic fibrosis patients". His Ph.D. studies were funded by the Institute for the Promotion of Innovation by Science and Technology in Flanders (IWT) and the Cystic Fibrosis Trust (UK) and were carried out in the Laboratory of Microbiology in the Faculty of Sciences at Ghent University, under the supervision of Prof. Peter Vandamme. Subsequently Dr. Coenye worked as a postdoctoral fellow in the lab of Prof. John J. LiPuma (University of Michigan) on epidemiology and population structure of *B. cepacia* complex isolates and the identification of unusual respiratory pathogens present in the lungs of CF patients.

Upon his return to Belgium, he rejoined the group of Peter Vandamme to continue his work on the taxonomy of Gram-negative non-fermenters and the use of novel approaches (based on whole-genome sequences) in bacterial taxonomy. His work was funded by the Belgian Federal Government (a DWTC Return Grant) and the Fund for Scientific Research-Flanders (FWO Postdoctoral Fellowship). For this taxonomic work he received the 2007 Dade Behring MicroScan Young Investigator Award from the American Society for Microbiology and the American Academy for Microbiology. He joined the LPM (as a postdoctoral research and teaching assistant) in April

2005 and was appointed as research professor in October 2006. In the LPM the "social behavior" of a wide range of organisms are studied (both bacteria and funghi), both in single and multispecies consortia, and within the context of a wide range of infectious diseases (including acne, chronically infected wounds and chronic respiratory tract infections in CF patients).

Speakers

Chii-Wann Lin

Vice President, Industrial Technology Research Institute

Professor, Institute of Biomedical Engineering

National Taiwan University, Taipei, Taiwan.

Presentation: Real Time Monitoring of Bacteria by SPR Biosensor

Dr. Lin had obtained MSc in Mechanical Engineering in 1984 from National Yang Ming University and Ph.D. in 1993 from Case Western Reserve University. In 2006, Dr. Lin was appointed as professor at Institute of Biomedical Engineering of National Taiwan University. At present, Dr. Lin is the Vice President and General Director of Biomedical Technology and Device Research Laboratories (BDL), Industrial Technology Research Institute since March 2017, with teams working on three thrust areas in medical devices, regenerative medicine, and drugs.

Kendra P. Rumbaugh

Associate Professor

School of Medicine Department of Surgery

Texas Tech University Health Sciences Center, Lubbock, United States

Presentation: Dispersing Biofilms *in vivo*

Dr. Rumbaugh had received bachelor's degree in Microbiology in 1996 at University of Texas. After receiving Ph.D. in Medical Microbiology in 2001 at Texas Tech University Health Sciences

Center, Dr. Rumbaugh had completed postdoctoral training at University of California at San Francisco. At present, Dr. Rumbaugh is a tenured associate professor in the School of Medicine, and her major research field include on understanding and treating wound infections. Her leadership roles include serving as president of the Texas Branch of American Society for Microbiology.

Speakers

Brian Peters

Assistant Professor, College of Pharmacy

The University of Tennessee Health Science Center, Memphis, United States

Presentation: Fungal and Polymicrobial Biofilms: Basic Biology to Clinical Relevance

Dr. Peters had obtained his BSc in Microbiology in 2005 from Pennsylvania State University and his Ph.D. in Molecular Microbiology and Immunology in 2010 from the University of Maryland. Afterwards, Dr. Peters had worked as a post-doctoral fellow at Fungal Pathogenesis in Louisiana State University Health Science Center. At present, Dr. Peters is an assistant professor in The University of Tennessee Health Science Center, and his major research field include host and fungal molecular mechanisms responsible for the immune-pathogenesis of vulvovaginal candidiasis.

Zhenbo Xu

Associate Professor, School of Food Science and Engineering South China University of Technology, Guangzhou, China

Adjunct Associate Professor, Department of Microbial Pathogenesis, University of Maryland, Baltimore, United States

Presentation: Bacterial Biofilm in Food Safety Control

Dr. Xu had received bachelor's and doctoral degrees from South China University of Technology

in 2005 and 2011. He had spent 2 years working in Dr. Mark Shirtliff's lab in University of Maryland as a joint Ph.D. student during 2009 to 2011. His major research field include microbial biofilm, food microbiology and safety control, polymicrobial interaction, detection and biosensor. Dr. Xu has published more than 50 manuscripts as first or correspondence author, with the H-Index as 20.

Speakers

Gamini Seneviratne

Professor, National Institute of Fundamental Studies

Kandy, Sri Lanka

Presentation: Developed Microbial Biofilms as Biofertilizers in Agriculture and Plantations

Dr. Seneviratne had obtained bachelor's and doctoral degrees from University of Peradeniya in 1984 and 1993. He had served as research professor from 2009 to 2015 in National Institute of Fundamental Studies, and as senior research professor since 2015. At present, he mainly served as the Fellow in the National Academy of Sciences of Sri Lanka, the Associate Editor to the Agriculture, Ecosystems & Environment, the Former Editorial Board member to the Ceylon Journal of Science, etc.

Wanling Tang

Assistant professor, School of Applied Science

Temasek Polytechnic, Singapore

Presentation: Phototrophic Biofilms: The Potential Applications and

A Study for Aquaculture Wastewater Treatment

Dr. Tang had received Ph.D. in National University of Singapore (NUS). Prior to joining Temasek Polytechnic in 2013, she had worked for Hyflux and Siemens Water Technology as process and applications engineer. Her major research field include process sustainability and energy optimization for water and wastewater treatment, including membrane technologies, and biological wastewater treatment technologies besides of reuse and recycling of waste materials.

Speakers

Da Qi

Senior Research Associate, Institute of Integrative Biology

University of Liverpool, Liverpool, United Kingdom

Presentation: Bioinformatics on Genomes Transcriptomes and Proteomes

Dr. Qi had obtained bachelor's and master's degrees from South China University of Technology in 1999 and 2003, and then obtained Ph.D. in University of Wales Aberystwyth in 2007. Afterwards, Dr. Qi had worked as research assistant in University of Wales Aberystwyth from 2008 to 2011, followed by postdoctoral training in Institute of Integrative Biology at University of Liverpool in 2011. His major research field include delivering data standards for quantitative proteomics, i.e. mzQuantML, and associated software implementation.

Janette Harro

Research Associate, School of Dentistry

University of Maryland, Baltimore, United States

Presentation: Immunization Strategies Against *S. aureus* Biofilms

Dr. Harro had joined Dr. Mark Shirtliff's Lab in Department of Microbial Pathogenesis, School of Dentistry in University of Maryland firstly as a postdoctoral fellow. At present, she works as a research associate at University of Maryland. Her major research field include pathogenic microbial, host pathogen interactions, biofilm infections and treatment of infections using animal models. In recent years, she has published many excellent articles in top journals, such as <mBio>, <Infection and Immunity> and <mSystems>.

Speakers

Dingqiang Chen

Associate professor, Department of Microbiology

The University of Hong Kong, Hong Kong

Presentation: Epidemiology on Biofilm of *Staphylococcus* and Surveillance on Antimicrobial Resistance in Southern China

Dr. Chen had obtained BSc in Biotechnology in 2004 and MSc in Microbiology in 2006 from Sun Yat-Sen University. He had obtained Ph.D. in Clinical laboratory diagnosis from First Clinical College of Southern Medical University. Dr. Chen had worked at the Department of Microbiology in The University of Hong Kong. His major research field include pathogenic microbiology, microbial resistance, bacterial biofilm, rapid detection and diagnostic techniques.

Chunlei Shi

Professor, College of Agriculture and Biology

Shanghai Jiaotong University, Shanghai, China

Presentation: Molecular Mechanism of Biofilm Formation

in *Listeria monocytogenes*

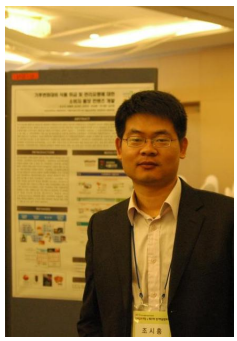
Dr. Shi had obtained bachelor's degree from Huazhong Agricultural University in 1999 and Ph.D. in Shanghai Jiaotong University in 2006. Afterwards, she worked in Shanghai Jiaotong University and she was appointed as associate professor in 2009. From 2011 to 2012, she had completed her postdoctoral research on molecular classification method of *Salmonella* serotype in Cornell University. Her major research field include microbial biofilm, food safety and food biotechnology.

Speakers

Xihong Zhao

Professor, School of Chemical Engineering and Pharmacy

Wuhan Institute of Technology, Wuhan, China



Presentation: Rapid Detection on VBNC, Biofilm Genetics and Toxins of Various Bacteria

Dr. Zhao had obtained bachelor's degree from Yangtze University in 2004, and Ph.D. from South China University of Technology in 2010. Dr. Zhao had worked as a postdoctoral fellow at Institute of Biotechnology and Food Safety, Kangwon National University from 2012 to 2013, and then he had worked as a postdoctoral fellow at Institute of Biomedical Engineering, National Taiwan University until 2015. His major research field include microbiology, biofilm, bacterial detection.

Viduranga Yashasvi Waisundara

Senior Lecturer, Faculty of Applied Sciences

Rajarata University of Sri Lanka, Kandy, Sri Lanka

Presentation: Usage of The Kombucha 'Tea Fungus' Biofilm

for Value-addition of Tea (*Camellia sinesis*)

Dr. Waisundara had obtained BSc in Food Science and Technology from the National University of Singapore in 2005, and obtained Ph.D. from School of Applied Sciences in Temasek Polytechnic in 2010 and was employed as a lecturer since 2013. She had worked at National Institute of Fundamental Studies in Sri Lanka until 2016. At present, she is a Senior Lecturer in the Faculty of Applied Sciences, Rajarata University of Sri Lanka.

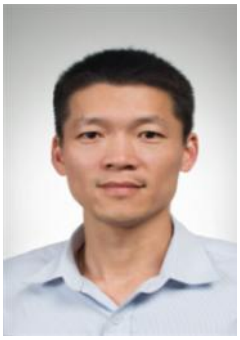
Speakers

Jianyu Su

Associate Professor

School of Food Science and Engineering

South China University of Technology, Guangzhou, China



Presentation: Inhibition of Bacterial Biofilms by d-Borneol

Dr. Su had obtained Ph.D. in Saccharide Engineering from South China University of Technology in 2008. Afterwards. Dr. Su was appointed as assistant professor at South China University of Technology and was promoted to associate professor in 2013. He has published more than 60 manuscripts in academic journals, including <Journal of Agricultural and Food Chemistry>, <Food Research International>, <Journal of Food Science>, etc.

Jian Sun

Associate Professor

School of Environmental Science and Engineering

Guangdong University of Technology

Guangzhou, China

Presentation: Electroactive Biofilm:
A Versatile Platform for Environmental and Industrial Application

Dr. Sun had obtained Ph.D. in Department of Environmental Engineering of South China University of Technology in 2010. Funded by China Scholarship Council, he had spent 1 year in University of Minnesota, from 2008 to 2009. Dr. Sun had engaged in postdoctoral research in mobile in South China University of Technology from 2011 to 2014, and was appointed as associate professor then. of South China University of Technology. He had worked in Guangdong University of Technology since 2014, and his major research field include environmental microbiology and electroactive biofilms.

Speakers

Yang Deng

Assistant Professor

State Key Laboratory of Beer Fermentation Engineering

Qingdao, Shandong

Presentation: VBNC Status of Bacteria within Biofilms

Dr. Deng had obtained bachelor's degree from Chongqing University of Technology in 2007, and obtained Ph.D. from Nanjing Agricultural College in 2012. Dr. Deng had worked as a postdoctoral fellow in South China University of Technology from 2012 to 2015. Afterwards, he was appointed as assistant professor in State Key Laboratory of Beer Fermentation Engineering, the only national key laboratory in China's beer industry. His major research field include food microbiology, bacterial biofilm and VBNC study. He has published more than 30 manuscripts.

Junyan Liu

Visiting Scholar, College of Pharmacy

The University of Tennessee Health Science Center

Memphis, United States

Presentation: Role of Blp-1 on The Polymicrobial Interaction of *C. albicans*

Ms. Liu had obtained bachelor's degree from Nanjing University of Finance and Economics, and had worked in South China University of Technology afterwards. At present, she is a visiting scholar in Dr. Peters's lab in Department of Clinical Pharmacy, The University of Tennessee Health Science Center since 2016. Her major research field include microbial biofilm, food safety, VBNC and polymicrobial interaction. She has published more than 25 manuscripts, with 15 manuscripts in SCI journals as first author and a total IF of 40.