

International Forum on Soil-Fertilizer-Crop-Environment (SFCE 2024, Announcement No.2)

Soil, as a basic component of the earth surface, has calmly and firmly supported the crops growth, their yields and quality. The input of fertilizers, amendments, water-retaining materials, and other management practices strongly influence soil quality, productivity, and environmental functions. Deeply understanding the relationship between soil functions and human behaviors, and revealing the role and regulatory mechanisms of soil in maintaining crop production and environmental sustainability is undoubtedly significant for enhancing soil quality, ensuring soil health, achieving high-quality and efficient crop production, and realizing the green and sustainable development of the environment. The 3rd *International Forum on Soil, Fertilizer, Crop and Environment* with the theme of “*Soil Quality Enhancement and Green Agricultural Development*”, will be held in Yangling, Shaanxi, from **November 8th to 10th, 2024**. It aims to share the latest theoretical and technological progress in soil fertility, fertilizer management, and crop nutrient use research, discuss the potential future development trends in these and relevant fields, and promote possible exchanges and cooperation among scholars and relevant personnel. We hope that this forum will contribute more knowledge and technology to the green development of agriculture in China and other countries. Welcome everyone to this forum!

I. Time and Place

Conference Date: November 8th to 10th, 2024, with registration on the 8th, full-day conference on the 9th and morning of the 10th, and an inspection tour in the afternoon of the 10th.

Conference Venue: South Campus of Northwest A&F University

Conference Accommodation: Foreign Expert Apartment at Northwest A&F University (338 yuan/room, including breakfast), Linyuan Hotel (158 yuan/room, including breakfast)

Conference Registration: On November 8th, 2024, at the first floor of the Foreign Expert Apartment, Northwest A&F University

II. Conference Reports (Ranking is not in order of priority, Continuously Updated)

1. **Qirong Shen**, Academician of the Chinese Academy of Engineering, Professor at Nanjing Agricultural University, Report Title: Organic Fertilizer and Soil Quality Improvement

2. **Minggang Xu**, Academician of the Chinese Academy of Engineering, Professor at Shanxi Agricultural University, Report Title: Principle and Technology of the Coordinated Development of Soil Fertilization and Crop Rotation
3. **Jianbo Shen**, Professor at China Agricultural University, Report Title: Rhizobiont, Efficient Nutrient Use and Enhanced Crop Yield and Quality
4. **Kadambot H.M. Siddique**, Professor at the University of Western Australia, Report Title: Crop Residue Management for Sustainable Crop Production
5. **Asim Biswas**, Professor at University of Guelph, Report Title: Data-driven soil management for sustainability
6. **Wei Shi**, Professor at NC State University, Report Title: Toward Soil Process-Based and Environmentally Sound Management of Organic Fertilizers: Microbial Perspectives
7. **Yonghong Wu**, Professor at the Nanjing Institute of Soil Science, Chinese Academy of Sciences, Report Title: Biological Films in Soil and Water Bodies and the Efficient Utilization of Key Nutrient Elements
8. **Ning Ling**, Professor at Lanzhou University, Report Title: Microorganisms' Behavior and Role in the Fertilizer-Soil-Crop System
9. **Lei Shi**, Professor at Huazhong Agricultural University, Report Title: Roles of Root Development in the High-Yield, High-Quality, and Efficient Production of Rapeseed
10. **Yuechao Yang**, Professor at Shandong Agricultural University, Report Title: Development and Application of Slow-Release Nitrogen Fertilizer for Rice
11. **Yonglu Tang**, Professor at Sichuan Academy of Agricultural Sciences, Report Title: Coordinating Cultivation and Nutrient Management to Increase Wheat Yield and Quality: Mechanisms and Technologies
12. **Zhenhua Zhang**, Professor at Hunan Agricultural University, Report Title: Nutrient Mechanisms and Regulatory Techniques for Efficient Fertilization in Rice-Rapeseed Cropping Systems
13. **Yilun Wang**, Professor at Henan Agricultural University, Report Title: Theories and Technologies for Efficient Fertilization in Wheat-Corn Cropping Systems

14. **Mingsheng Ma**, Associate Professor at Gansu Academy of Agricultural Sciences, Report Title: Progress in Research on Efficient Fertilization and Soil Conservation in Dryland Farming Fields of Gansu: Achievements, Problems, and Challenges
15. **Min Sun**, Professor at Shanxi Agricultural University, Report Title: Theories and Technologies for Water Conservation, Moisture Retention, and Efficient Fertilization in Dryland Wheat Cultivation
16. **Xinxin Ye**, Professor at Anhui Agricultural University, Report Title: Theoretical and Technological Research on Efficient Management and Utilization of Stubble Nutrient Resources
17. **Wanli Xu**, Professor at Xinjiang Academy of Agricultural Sciences, Report Title: Research and Application of Soil Improvement and Recommended Fertilization Techniques for Sandy and Saline-Alkali Soils
18. **Hongguang Cai**, Professor at Jilin Academy of Agricultural Sciences, Report Title: Theoretical and Technological Research on Soil Fertilization and Efficient Nutrient Resource Utilization in Black Earth
19. **Yuanbo Li**, Researcher at the Plant Protection Institute, Chinese Academy of Agricultural Sciences, Report Title: Insight into the Plant Uptake of Pesticides in Soil-plant Systems
20. **Zed Rengel**, Professor at the University of Western Australia, Report Title: Micronutrients: from farm to fork
21. **Stephan Haefele**, Professor at Rothamsted Research, Report Title: Micronutrients in agriculture and food: A systems perspective
22. **Renske Hijbeek**, Associate Professor at Wageningen University, Report Title: What can Meta-Analyses Tell Use on the Benefits of Soil Organic Matter for Crop Yields
23. **Jianhua Guo**, Professor at the University of Queensland, Australia, Report Title: Roles of emerging contaminants in the emergence and spread of antibiotic resistance
24. **Wei Xuan**, Professor at Nanjing Agricultural University, Report Title: How rice root development responds to ammonium nitrogen and its molecular mechanism
25. **Xun Qian**, Professor at Northwest A&F University, Report Title: Novel Microbiome Deep Underfoot

26. **Jinshan Liu**, Professor at Northwest A&F University, Report Title: Response of Soil Microbial Community Structure and Function to Phosphorus Fertilizer and Optimization of Phosphorus Application for Dryland Wheat

III. Conference Registration

1. The conference includes topics such as human behavior and soil processes, soil management and crop growth, soil crops and agricultural environment, as well as a special session for young scholars and graduate students. We welcome everyone to continue to register to attend the conference and exchange their research progress and results.

2. Presentations and Posters: Participants can apply for academic reports and posters at the conference. Reports and posters will receive conference certificates, and the conference will select excellent young scholar reports and excellent posters. Young scholar graduate students report 10 minute. Poster size: 90 cm wide * 120 cm high, submission format in ppt, template see attachment 2.

3. Providers of reports and posters: please submit personal photos and profiles (for promotion on the network, etc.) to the conference office.

4. The conference language is English or Chinese. Conference ppt requirements: in English or in Chinese and English.

5. Online registration deadline: October 30, 2024. For registration after this date, please contact the conference team.

IV. Conference Organization

1. Host Organizations

Key Laboratory of Plant Nutrition and Agricultural Environment, Ministry of Agriculture and Rural Affairs

College of Resources and Environmental Sciences, Northwest A&F University

College of Resources and Environmental Sciences, Nanjing Agricultural University

College of Resources and Environmental Sciences, Huazhong Agricultural University

2. Co-organizer

College of Resources and Environmental Sciences, China Agricultural University

College of Resources and Environmental Sciences, Henan Agricultural University

College of Resources and Environmental Sciences, Shandong Agricultural University

College of Resources and Environmental Sciences, College of Agriculture, Institute of Functional Agriculture, Shanxi Agricultural University,
Institute of Dryland Agriculture, Institute of Soil Fertilizer and Water-Saving Agriculture, Wheat Research Institute, Gansu Academy of Agricultural Sciences
College of Agriculture, Gansu Agricultural University
College of Agriculture, College of Grassland Science, College of Resources and Environmental Sciences, Inner Mongolia Agricultural University

3. Steering Committee

Fusuo Zhang, Academician, China Agricultural University
Jiabao Zhang, Academician, Nanjing Institute of Soil Science, Chinese Academy of Sciences
Qirong Shen, Academician, College of Resources and Environmental Sciences, Nanjing Agricultural University
Wei Zhou, Academician, Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences
Minggang Xu, Academician, Shanxi Agricultural University
Xiaohong Tian, Professor/Secretary, College of Resources and Environmental Sciences, Northwest A&F University
Hanzhong Jia, Professor/Dean, College of Resources and Environmental Sciences, Northwest A&F University
Wenfeng Tan, Professor/Dean, College of Resources and Environmental Sciences, Huazhong Agricultural University
Ruifu Zhang, Professor/Dean, College of Resources and Environmental Sciences, Nanjing Agricultural University

4. Organizing Committee

Zhaohui Wang, Professor, College of Resources and Environmental Sciences, Northwest A&F University
Shiwei Guo, Professor, College of Resources and Environmental Sciences, Nanjing Agricultural University
Jianwei Lu, Professor, College of Resources and Environmental Sciences, Huazhong Agricultural University
Xiaorong Fan, Professor, College of Resources and Environmental Sciences, Nanjing Agricultural University
Lei Shi, Professor, College of Resources and Environmental Sciences, Huazhong Agricultural

University

Min Wang, Professor, College of Resources and Environmental Sciences, Nanjing Agricultural University

Hailong He, Professor, College of Resources and Environmental Sciences, Northwest A&F University

Xun Qian, Professor, College of Resources and Environmental Sciences, Northwest A&F University

Jinshan Liu, Professor, College of Resources and Environmental Sciences, Northwest A&F University

Zhifeng Lu, Associate Professor, College of Resources and Environmental Sciences, Huazhong Agricultural University

Zhanjun Liu, Associate Professor, College of Resources and Environmental Sciences, Northwest A&F University

Mei Shi, Associate Professor, College of Resources and Environmental Sciences, Northwest A&F University

5. Conference Affairs Team

Mei Shi, Associate Professor, College of Resources and Environmental Sciences, Northwest A&F University

Xuechen Zhang, Associate Professor, College of Resources and Environmental Sciences, Northwest A&F University

Jing Hui, Associate Professor, College of Resources and Environmental Sciences, Northwest A&F University

V. Conference Fees/Registration Methods

1. Registration Method:

The conference adopts online registration and email confirmation.

Email registration address: scfeforum@163.com

WeChat QR code for registration:



After successful registration, please join the conference QQ group: 970145938

3rd International Forum on Soil-Fertilizer-Crop-Environment Confirmation

(Fill online or by email)

Name	Gender	Title	Institution	Title of presentation	Title of Poster	Phone Number	Email	Accommodation Requirements: Single/Shared/None

2. Fee Standards:

Before October 30th: 1300 CNY/person, Students: 800 CNY/person;

On-site payment: 1500 CNY/person, Students: 1000 CNY/person.

3. Payment Methods:

(1) Remittance:

Please be sure to note "**Name-IFSFCE2024**" when remitting:

Institution: Northwest A&F University

Taxpayer Identification Number: 12100000437096236G

Account Number: 102810820826

Bank: Bank of China Limited Yangling Sub-branch Shaanxi Branch China

Address: No. 3 Taicheng Road, Yang Ling, Shaanxi, Northwest A&F University

Phone: 029-87082809

Overseas Remittance Address:

Account name: Northwest A&F University

Account number: 102810820826

Bank: Bank of China Limited Yangling Sub-branch Shaanxi Branch China

Swift Code: BKCHCNBJ620

Address: Weihui Road, Yang Ling, Shaanxi, China

(2) Alipay QR code (This code does not support government cards):



西北农林科技大学



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4. Contacts:

Mei Shi: Email: meishi@nwafu.edu.cn; Phone: 18049680010

Xuechen Zhang: Email: xczhang@nwafu.edu.cn; Phone: 15210635703

Jing Hui: Email: jinghui@nwafu.edu.cn; Phone: 15600911095

Attachment: Brief Introduction of the Speakers

1. Qirong Shen, https://faculty.njau.edu.cn/shenqirong/zh_CN/index.htm
2. Minggang Xu, <https://zhxy.sxau.edu.cn/info/1033/5502.htm>
3. Jianbo Shen, <https://faculty.cau.edu.cn/sjb/list.htm>
4. Kadambot H.M. Siddique, <https://www.researchgate.net/profile/Kadambot-Siddique>
5. Asim Biswas, <https://ses.uoguelph.ca/people/asim-biswas>
6. Wei Shi, <https://cals.ncsu.edu/crop-and-soil-sciences/people/wshi3/>
7. Yonghong Wu, <http://www.issas.cas.cn/yjsjy/dsjj/bssds/201404/t201404104088181.html>
8. Ning Ling, <http://cgm.lzu.edu.cn/info/1078/2361.htm>
9. Lei Shi, https://faculty.hzau.edu.cn/shilei/zh_CN/index.htm
10. Yuechao Yang, <https://zihuan.sdau.edu.cn/2013/1225/c1574a47786/page.htm>
11. Yonglu Tang, <https://www.chinawestagr.com/zwyjs/showcontent.asp?id=49818>
12. Zhenhua Zhang, https://zyxy.hunau.edu.cn/szll_9627/nyzyyhjx_9628/js_9661/202303/t20230321_379843.html
13. Yilun Wang, <https://zihuan.henau.edu.cn/a/shiziduiwu/zhiwuyingyangxi/2021/0513/1112.html>
14. Mingsheng Ma, <https://www.gsagr.cn/hdnyyjs/info/1010/1598.htm>
15. Min Sun, <https://nxy.sxau.edu.cn/info/1223/4503.htm>
16. Xinxin Ye, https://jsxx.ahau.edu.cn/ch/jsxx_show.html?zgh=2016046
17. Wanli Xu, <http://www.xaas.ac.cn/info/1024/5836.htm>
18. Hongguang Cai, http://www.jaas.com.cn/index/descript_rsrc.php?sid=181
19. Yuanbo Li, <http://www.ippcaas.cn/yjspy/dsjs/bsds/nyxbs/285831.htm>
20. Zed Rengel, <https://research-repository.uwa.edu.au/en/persons/zed-rengel>
21. Stephan Haefele, <https://www.rothamsted.ac.uk/people/stephan-haefele#:~:text=Apart%20from%20his%20own%20research%20in%20a%20team%20of%20ten>
22. Renske Hijbeek, <https://www.wur.nl/en/Persons/Renske-Hijbeek-1.htm>
23. Jianhua Guo, <https://about.uq.edu.au/experts/3045>
24. Wei Xuan, https://faculty.njau.edu.cn/xuanwei/zh_CN/index.htm
25. Xun Qian, <https://zhxy.nwsuaf.edu.cn/szdw/kjdw/4fc1df5f87f149b0a6ecc669783999d3.htm>
26. Jinshan Liu, <https://zhxy.nwsuaf.edu.cn/szdw/kjdw/252944.htm>