第23届世界土壤学大会
The 23rd World Congress of Soil Science

摘要提交手册

（1） 如何提交摘要？

（2） 摘要主题

重要日期

提交开放：2025年7月7日，星期一

摘要提交截止日期：2025年11月7日，星期五

摘要评审：2025年11月至2026年2月

摘要结果通知：2026年2月7日结束

早鸟注册截止日期：2026年3月7日，星期六

如何提交摘要？

第一步：阅读大会网站上的摘要指南。

Abstract Guidelines

(1) All abstracts must be written in English.

(2) Abstracts can only be submitted online via the conference website. This is the ONLY option for abstract submission.

(3) Define all abbreviations and concepts in your abstract at first use.

(4) Abstracts must be received by the announced deadline (before November 7, 2025). Abstracts received after the deadline will not be considered.

(5) All abstracts must be submitted and presented in clear English with accurate grammar and spelling.

(6) The presenting author is required to ensure that all co-authors are aware of the content of the abstract before submission of the abstract.

(7) Only abstracts for which presenting authors have paid the conference registration fees by **May 7, 2026** will be included in the Scientific Program.

(8) Please note, there is no fee or charge to submit an abstract.

(9) All abstract submitters including presenting authors are expected to pay their own travel expenses and conference registration fee(s).

(10) Instructions for preparation of presentations will be made available on the Congress website.

Guidelines for Submission

Download the abstract template Here: Abstract Template.docx

Before you begin your abstract submission, please prepare the following information:

(1) Presentation type

(2) Abstract topic – select the topic per the list of session topics.

(3) Presenting author's contact details: Name, Email address, Affiliation

(4) Abstract text – limited to 3000 characters with spaces in total, this including Acknowledgments and References if any.

Please Note: All Presentations are intended to be given in person, onsite, in Nanjing.

You will receive a confirmation email after you have submitted your abstract. Please contact us by the email wcss2026@issas.ac.cn if you have not received confirmation that your abstract has been submitted.

Notification of Acceptance

Notification of acceptance will be sent by e-mail to abstract submitting author before 7 February 2026.

Withdrawn Abstracts

If the presenting author of an accepted abstract does not register before 7 May 2026, the abstract will be automatically withdrawn from the final program. If you must withdraw an abstract, please notify the WCSS 2026 Secretariat by email as soon as possible.

如何提交摘要？

第二步：转到WCSS2026官网并登录或注册。

如何提交摘要？

第三步：在摘要提交中，单击“投稿”。

投稿须知

投稿开始时间：2025-06-07

投稿截止时间：2025-11-07 23:59:59

摘要字数限制：最多 3000 个字

投稿须知：

投稿前请准备好以下内容：

① 论文题目；② 关键词2~5个；③报告作者及邮箱（用于接收大会通知）；④ 正文（请下载【模板】）

注意事项：

1. 每位代表可提交1篇论文摘要，征文范围请在大会网站专题研讨会页面查阅（https://www.23wcss.org.cn/topic/index.html）；
2. 所提交摘要（论文）视为均可公开，所上传内容均不得涉密。论文第一作者对论文保密问题负全部责任，请自行做好单位保密审查；
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4. 论文摘要需使用英语撰写。
5. 摘要被接收的参会者需在2026年5月7日前完成注册缴费，否则视为自动放弃，组委会将撤销该摘要。

论文列表

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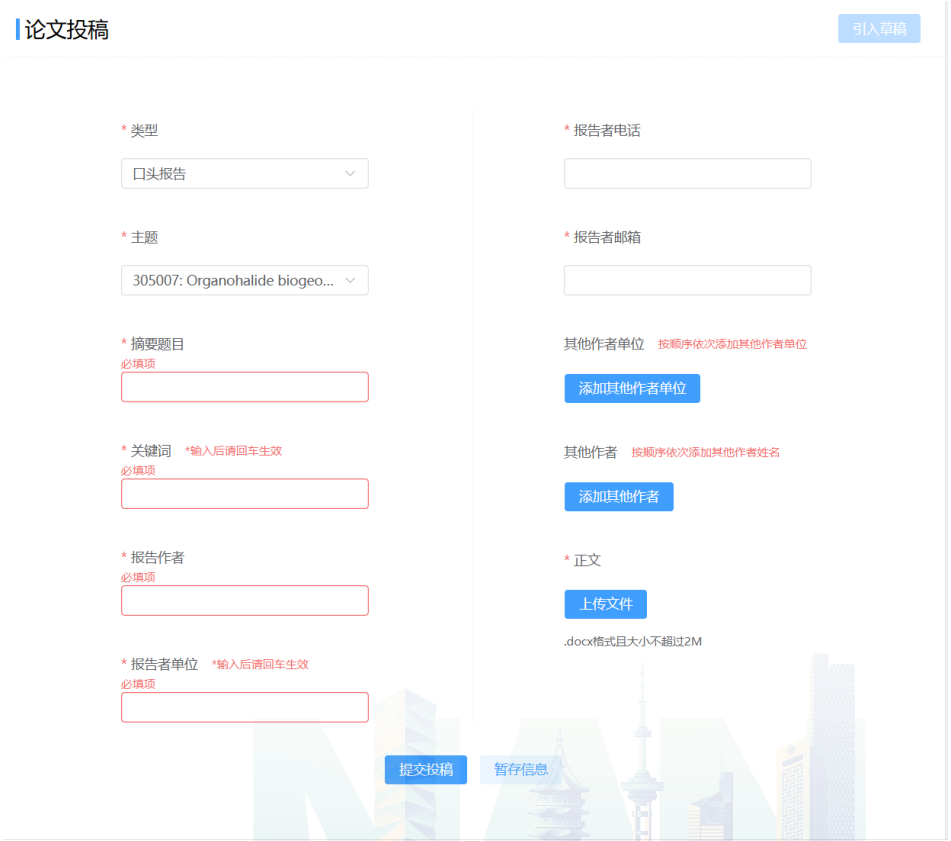

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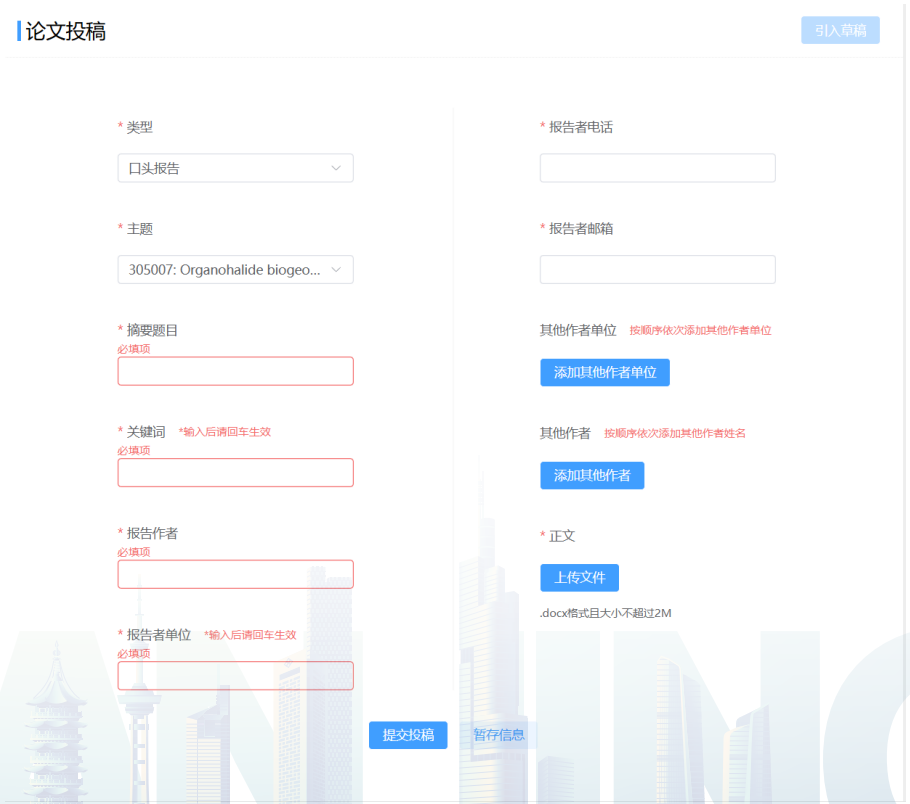

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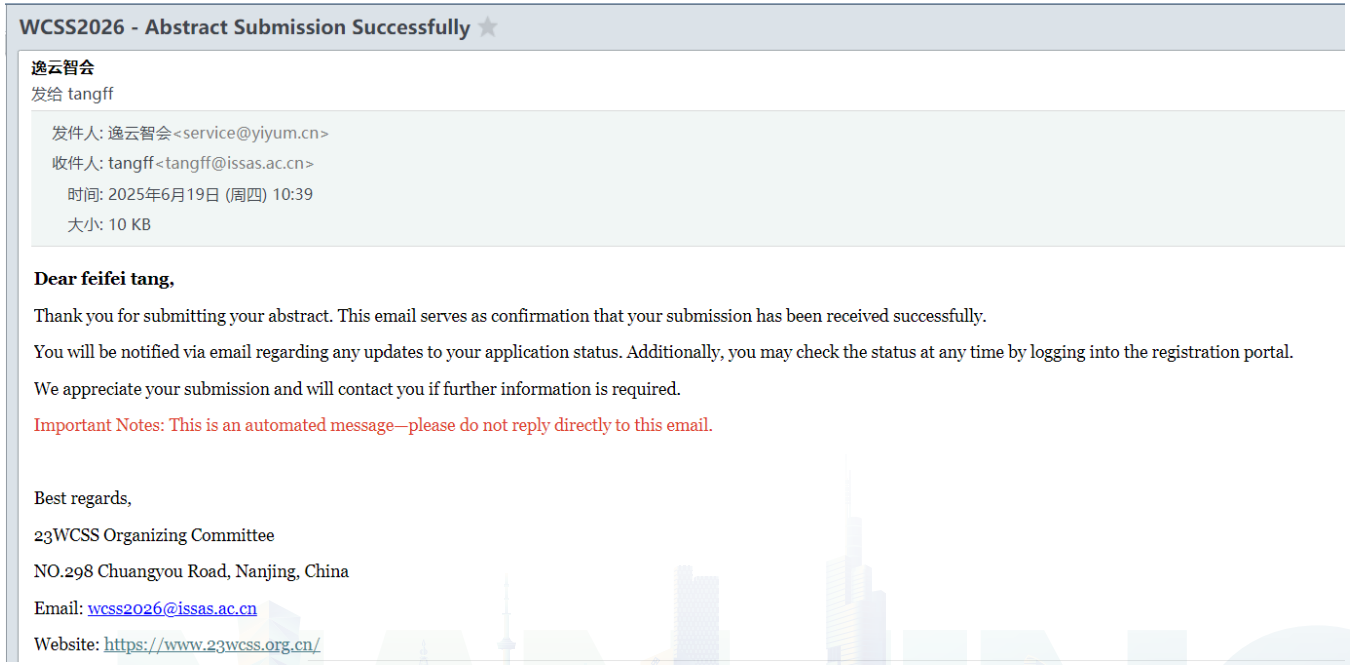

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摘要主题

详细信息请访问大会网站。

101 Soil Morphology and Micromorphology

- 101001 Advances in Soil Morphology and Micromorphology: unveiling the earth's hidden resource
- 101002 Micromorphology as a Tool for Understanding the Evolution of Soils and Environments in Natural and Human-Impacted Landscapes

102 Soil Geography/Soil Genetic Classification and Soil Geography

- 102001 Magnetic enhancement of the soils in urban/industrial areas: Sources and properties of anthropogenic magnetic particles and its influences on soil genesis
- 102002 The Third National Soil Survey in China: Key Technologies and Result Applications
- 102003 Soil structure and ecosystem functioning in Earth's Critical Zone

104 Soil Classification

- 104001 The Role Soil Classification in the Shared Future of Humanity

106 Paleopedology

- 106001 Paleosols as Memory: Transdisciplinary Insights into Changing Paleoenvironments across Geological Timescales
- 106002 Traditional and Novel Concepts, Approaches, and Methods in Studying the Past Genesis of Soils and Soil-Sedimentary Systems

摘要主题

108 Digital Soil Mapping

- 108001 Advances in Remote Sensing for Soil Property Mapping
- 108002 Democratizing Digital Soil Mapping: Innovative Technologies for Global Soil Services and Solutions
- 108003 Leveraging Site and Spatial data for Soil monitoring

110 Proximal Soil Sensing/Soil Remote Sensing and Information

- 110001 Advances in soil health monitoring with proximal sensing
- 110002 Soil Organic Carbon Accounting Using Proximal Sensing: Advancing Sustainability Across Agricultural and Natural Ecosystems
- 110003 Soil Spectroscopy: A Global Solution for Sustainable Soil Management and Food Security

113 World Reference Base

- 113001 Towards improved criteria, diagnostics, and classification of human-constructed and human-transformed soils in the World Reference Base (WRB) system

摘要主题

201 Soil Physics

- 201001 Beyond Plant Available Water – New Insights on Soil Water Accessibility
- 201002 Linking Physical and Hydrological Processes with Soil Health and Functionality in Terrestrial Ecosystems

202 Soil Chemistry

- 202001 Physicochemical and Biological Processes of Chemicals in Soils

203 Soil Biology/Soil Biology and Biochemistry/Soil Virus

- 203001 Diversity and Function of Soil Viromes
- 203002 Roles of extracellular polymeric substances in biogeochemical cycling and soil health
- 203003 Soil Biodiversity and Soil Health: Interactions, Indicators, and Innovative Approaches
- 203004 Soil Biogeochemistry in Wetlands: Foundations for Restoration and Climate Resilience
- 203005 Soil Microbiomes – Importance For Climate Resilient Future, Degraded Lands Restoration And Plant Health Control
- 203006 The rise and fall of microbial diversity in soil: drivers, consequences, and implications

204 Soil Mineralogy

- 204001 Geophagic clays as a focus of interdisciplinary research
- 204002 Soil mineralogy: current state and perspectives

摘要主题

205 Soil Chemical, Physical and Biological Interfacial Reactions

- 205001 Life, agriculture, and productive systems in arctic and other cold regions

206 Hydropedology

- 206001 Hydropedology: Addressing real-world problems through interdisciplinary science

207 International Soil Modeling Consortium

- 207001 Modelling soil processes from ped to global scale
- 207002 Soil Erosion Modelling: Global Alliance

摘要主题

301 Soil Evaluation and Land Use Planning

- 301001 Better management of organic agro-waste in response to various global environmental issues
- 301002 Soil evaluation and land use planning for sustaining productivity

302 Soil and Water Conservation/Soil Erosion and Soil-water Conservation

- 302001 Changing the drainage target, balancing water control and environmental effects?
- 302002 Managing water for managing soil health?
- 302003 Occurrence, mechanisms, and behavior of soil water repellency
- 302004 Rethinking the planning of soil and water management under climate change
- 302005 Soil erosion and conservation
- 302006 Water Flow and Solute Transport in the Soil-Plant System

303 Soil Fertility and Plant Nutrition/Soil-plant Nutrition/Soil Fertility and Fertilizer

- 303001 Advances in Soil Fertility Management Through the Utilization of Organic Waste
- 303002 Global and regional trends in cropland nutrient balance and use efficiency
- 303003 Global Phosphorus Stewardship: Innovations and Strategies for Sustainable Soil Fertility
- 303004 Novel fertilizer research and industrial development

摘要主题

- 303005 Plant nitrogen utilization: from cell to field
- 303006 Rhizobiont for high nutrient use efficiency
- 303007 Sustainable Phosphorus use in Agroecosystems: New Approaches to Optimizing Nutrient Management and Ecosystem Functionality

304 Soil Engineering and Technology/Soil Engineering/Soil Analysis Technique

- 304001 Advancing Soil Microbial Insights via Single-Cell Technologies
- 304002 Application of advanced instrumental analysis techniques in soil science
- 304003 Can enhanced rock weathering capture and store atmospheric CO2? Its expectations and limitations.
- 304004 Engineering technology system for efficient quality improvement of obstructed soil
- 304005 Survey-Based Soil Spectral Library for Agricultural Management

305 Soil Degradation Control, Remediation and Reclamation/Soil Remediation/Environmental Micro-Plastics

- 305001 Deciphering the Soil-Pollutant Nexus: Biogeochemical Frontiers for Soil Health and Sustainable Ecosystems
- 305002 Enhanced In Situ Bioremediation for Contaminated Sites

摘要主题

- 305003 Integrated remediation and utilization strategies for degraded soils in mined lands
- 305004 Investigation and Assessment of PFAS-Impacted Agricultural Lands and Food Crops
- 305005 Micro- and Nano-plastics in the Soil: From Pollution to Solution
- 305006 New pollutants in soils
- 305007 Organohalide biogeochemical cycling and remediation in soil
- 305008 Selenium-Heavy Metal Interactions: Biogeochemical Cycling, Health Risks, and Sustainable Remediation Strategies
- 305009 Soil Pollution by Heavy Metals and Risk Control

306 Salt-affected Soils

- 306001 Global status of salt-affected soils: the outcomes of the FAO's report
- 306002 Soil salinity management strategies for sustainable agriculture from plot to regional scales

307 Soils of Urban, Industrial, Traffic, Mining and Military Areas (SUITMA)

- 307001 Past, present, and future of SUITMA (soils of urban, industrial, traffic, mining and military areas)

308 Acid Sulphate Soils

- 308001 Health Maintenance and Sustainable Management of Acidified Soils
- 308002 Wetland soils, acid sulfate soils and sulfidic materials

摘要主题

309 Forest Soils

- 309001 Forest and Grassland Soil Functions and Sustainable Utilization under Global Change
- 309002 Forest Soil Management: Processes, Challenges, and Sustainable Production
- 309003 Rubber-based agroforestry ecosystems enhance soil enzyme activity but exacerbate microbial nutrient limitations
- 309004 Soil microbial diversity and functions in carbon and nitrogen cycling in response to tree diversity, wildfires and climate change
- 309005 Soil organic matters dynamics and nutrient cycling in global forests under climate change

310 Paddy Soils

- 310001 Restoring Soil Health for Sustainable Rice Cultivation: Pollution Remediation, Microbial Innovations, and Resilient Paddy Systems in East Asia
- 310002 Soil health-Water-GHG Nexus for sustainable crop production in paddy soils
- 310003 The synergistic effects of lime, NPK, and manure application on rice productivity in the soils of the Old Himalayan Piedmont Plain
- 310004 Understanding paddy soil microbiomes for food and climate security

摘要主题

401 Soils and the Environment/Soil Environment/Soil Ecology

- 401001 Peatlands in a changing world
- 401002 Soil food web structure and function under global change
- 403003 Unveiling the hidden world: Biodiversity and ecological function of soil fauna

402 Soils, Food Security, and Human Health

- 402001 Conservation and restoration of black soils in agro-ecosystems
- 402002 Soil, Global Change, Food Security and Human Health
- 402003 Soil Management and Food Sovereignty through Collective Strategies
- 402004 Sustainable Management and Restoration of Black Soils: Global Experiences and Actions

403 Soils and Land Use Change

- 403001 Healthy Soil Uses for Humankind
- 403002 Land Use and Management Effects on Soil Health and Environmental quality

404 Soil Education and Public Awareness/Soil Science Education

- 404001 Accelerating equity in Soil Sciences to strengthen the IUSS
- 404002 Share our standpoints of soil teaching and learning at school, university and civil society for the future development of better soil education system.

摘要主题

- 404003 Soil and Sensibility: Revisiting Oral and Written Traditions in South Asia

405 History, Philosophy, and Sociology of Soil Science

- 405001 Fostering International Collaboration in Soil Science
- 405002 Language of Soil – Mapping Concepts across Interdisciplinary Fields of Soils Research
- 405003 Soil literacy for all: transforming global awareness into engagement and impact through collective action
- 405004 Women in Soil Science: Closing Gaps and Strengthening Collaboration

406 Young and Early Career Scientists/Youth

- 406001 Bridging young and senior soil scientists to foster future generations of soil advocacy
- 406002 Future of Soil Science: Next 20 years and beyond

407 Nitrogen

- 407001 Soil nitrogen processes, consequences, and regulations

408 Soil Health

- 408001 Harmonization of Soil Health Monitoring: Scientific, Institutional, and Societal Perspectives
- 408002 Nature-Based Solutions for Soil Health and Sustainable Crop Production
- 408003 Soil Management Practices on Soil Health in Plastic Greenhouses

摘要主题

409 Carbon Neutrality and Global Change

- 409001 Advances in Best Management Practices for Achieving Climate-Smart Agriculture
- 409002 Advancing Soil Organic Carbon Science for Sustainable Land Management
- 409003 Climate change and soil microbial control carbon sequestration
- 409004 Evolution of Soil Organic Matter: Impacts of Climate Change and Land Use Change
- 409005 Next-Generation Pyrogenic-C Systems: From Molecular Mechanisms to Planetary-Scale Impacts
- 409006 One carbon metabolism in terrestrial ecosystems
- 409007 Physical, chemical, and biological drivers for soil greenhouse gas fluxes
- 409008 Soil Carbon Dynamics and Impacts of Land Use and Management
- 409009 Soil carbon fluxes for climate and soil health
- 409110 Soil microbial life and death: impacts on soil organic carbon dynamics under global change
- 409111 Soil organic matter transformation, stabilization and storage
- 409112 The challenge and opportunity for precise assessment and prediction of soil carbon sequestration and storage across spatial and temporal scales
- 409113 Soil Organic Carbon Monitoring and Management: Integrating Science, Technology, and Practice for Sustainable Ecosystems

摘要主题

501 Soil Science Edition and Term Verification/Journals

- 501001 A 35-Year Journey of Pedosphere: Promoting Soil Sciences across the World
- 501002 Opportunities and challenges for the development of soil science journals

502 Cultural Patterns of Soil Understanding/Soil Science Popularization

- 502001 Cultural Wisdom, Global Soil Futures: Advancing Soil Security Through Connectivity
- 502002 From Dirt to Destiny: Communicating Soil Science for Global Sustainability and Cultural Understanding
- 502003 Sculpted by stones, enriched by soils: Global trends on Historic Agricultural Terraces. First step towards building a research community

503 AI

- 503001 AI and Innovative Technologies for Research, Mapping, and Sustainable Management of Salt-Affected Soils
- 503002 The Application of Machine Learning to Soil Morphology and Micromorphology
- 503003 The digital age in the study, evaluation and teaching of soil sciences
- 503004 Web-based digital twins and decision support systems for soil sustainability in land planning and management

摘要主题

504 Entrepreneurship and New Farmers

- 504001 Soil technology applications and entrepreneurship
- 504002 Climate-friendly and sustainable agricultural practices with plateau-specific characteristics and multi-dimensional symbiosis in Yunnan under climate change
- 504003 New Farmers: A Vital Force in Promoting Rural Sustainability and Agricultural Diversity
- 504004 Safeguard the Land: Chinese Community-Supported Agriculture Network with Participatory Guarantee System Practices

THANK YOU

如果您还有其他问题，
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