



2024年第11期总413期

## 粮食和食物安全专题

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## 学术文献

### 1. 新时代国家粮食安全的理论构建与治理进路

**简介:** 党的十八大以来,习近平关于粮食安全的重要论述,系统阐述和回应了新时代粮食安全的重大理论与实践问题。本文在阐释新时代粮食安全总目标、总要求、总任务、总方针、总路径的基础上,揭示其蕴含的理论逻辑、历史逻辑和实践逻辑。沿着“产品-商品-特殊商品”的理论逻辑,明晰粮食的属性和战略价值;回顾“地方分化-资源匹配-治理转变”的历史逻辑,厘清粮食安全政策体系建立轨迹;围绕“工业化技术化之路、要素集聚之路、县域之路、产业之路、保障之路”的实践逻辑,明确维护粮食安全的发展路径。走好中国特色粮食安全治理之路,应坚持主体论、“两藏”论和自主论,从充分调动地方抓粮和农民种粮“两个积极性”、深入实施“两藏”战略、统筹利用国内国际“两种资源”方面发力。

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### 2. 建设农业强国的国际经验和中国探索——中国国外农业经济研究会2023年会暨学术研讨会综述

**简介:** 2023年是党的二十大召开后的第一年,也是建设中国式现代化的开局之年。党的二十大报告首次提出“加快建设农业强国”<sup>①</sup>,2023年中央“一号文件”将建设供给保障强、科技装备强、经营体系强、产业韧性强、竞争能力强的农业强国摆上建设社会主义现代化强国的重要位置<sup>②</sup>,这是党中央着眼全面建成社会主义现代化强国作出的战略部署。当前,国内农业在国际竞争力、农业生产效率、科技创新能力、资源利用率、生产要素流动等方面依旧存在不足,农业强国是社会主义现代化强国的根基,强国必先强农,农强方能国强。基于建设社会主义现代化强国的需要,探讨如何加强建设农业强国、借鉴吸取国外现代化农业强国经验,对建设中国式现代化具有重要意义。

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### 3. Mof-enabled pesticides as developing approach for sustainable agriculture and reducing environmental hazards

**简介:** In the context of agricultural sustainability and the necessity for food security, using nano pesticides as an innovative technology represents an alternative with good potential to overcome the drawbacks of classical pesticides. This work provides a general overview of the main aspects in the area of nano-pesticides with a focus on Metal-Organic Frameworks (MOFs). Although in its early infancy, the research performed so far indicated that compared with classical pesticides, MOF-based nano-pesticides show an improved performance, controlled and sustained active ingredient release and targeted delivery.

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Moreover, the flexibility in design and capability for modification and hybridization indicate MOFs as promising candidates for further improvements. Nevertheless, since the long-term toxic effects of MOF-based nanopesticides are not yet fully understood, additional studies focusing on the impact of individual components and of the overall nano-system are required to determine if the envisioned potential can be reached.(c) 2023 The Authors. Published by Elsevier B.V. on behalf of The Korean Society of Industrial and Engineering Chemistry. This is an open access article under the CC BY license

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#### **4. Challenging the Status Quo to Shape Food Systems Transformation from a Nutritional and Food Security Perspective (从营养和粮食安全角度挑战现状塑造粮食系统转型)**

简介: Food security and nutrition have been prominent elements of the international development agenda. Over time, however, development priorities and challenges have oscillated, and the investment required has not been sustained. A broader consensus has emerged: one that guarantees food security and, in all its aspects, reduces hunger and malnutrition to promote strong economies, human and planetary health, and sustainable development. Our moral imperative is to positively change food systems to ensure that the food we produce is accessible, sustainable, safe, healthy, and equitable for everyone. Therefore, this special issue about Food Systems and Nutritional and Food Security focuses on connecting the importance of food systems to change nutrition and food security around the globe.

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#### **5. Food safety in developing countries: Moving beyond exports (发展中国家的食品安全: 超越出口)**

简介: Food safety is linked to food security through health and livelihoods, and improving food safety is necessary to address food security. An international consensus has emerged that the best way to address food safety is through a risk-based, farm-to-table approach that focuses on cost-effective prevention. In developing countries, this approach has been implemented in supply chains for high-value markets, particularly exports. Evidence shows that improvements are possible where market incentives exist, and where market institutions can ensure that risk reduction practices are followed. To address food safety for food insecure consumers in developing countries, public efforts should focus on the most important risks and cost-effective controls, provide support for capacity building and supply chain coordination, and improve incentives for food safety management. (C) 2014 Elsevier

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