《环境生物技术》

图书基本信息

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内容概要

《环境生物技术:系统生物学方法(导读版)(英文版)》的特色是从系统生物学的角度，采用了大量生化动力学过程阐述了环境生物技术的原理、应用和相关的风险评价，所举案例包括最新的尖端技术（如纳米生物技术、绿色工程）。《环境生物技术:系统生物学方法(导读版)》综合讨论了在环境上使用的各种生物技术的现实和潜在风险.为研究人员、从业人员以及不同背景的学生，如微生物学、系统生物学、环境工程、风险评估、生态和基因工程学科的学生.提供了翔实的背景资料，用以审慎评估生物技术的有效性和对环境的长期影响。因此，《环境生物技术:系统生物学方法(导读版)》可作为相关研究人员和从业人员设计环境生物工程时的一个重要参考，也可作为环境生物技术相关专业学生的教学参考书。

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书籍目录

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章节摘录

Research that is clearly basic is often supported for its possible，yet tenuous，public benefits.Interestingly，the term dual use has two different connotations.The first，which grew in popularity during the Cold War and space missions，is any science，engineering，and tech-nology designed to provide both military and civilian benefits.Better pots and pans，micro-wave ovens，and DVD players can be touted as having been procreated out of huge，publicly funded military programs.The second definition，which in many instances seems to challengethe first，is any research or technology that simultaneously benefits and places society at risk.Recently，concerns about terrorism and national security have piqued the public's interest about the research and technology that possibly fits the second definition.For example，in，uly 2006，the Congressional Research Service reported：An issue garnering increased attention is the potential for life sciences research intended to enhance scientific understanding and public health to generate results that could be misused to advance biological weapon effectiveness. Such research has been called“ dual。use ”research because of its applicabilitg to both biological countermeasures and biological weapons.The federal government is a major source of life sciences research funding.Tension over the need to maintain homeland securitg and support scientific endeavor has led to renewed consideration of federal policies of scientific oversight.Balancing effective suppo of the research enterprise with securitg risks generated by such research has proven a complex challenge.Policies considered to address science and security generate tensions between federal funding agencies and federal funding recipients.To minimize these tensions while maximizing effective oversight of research.insight and advice from disparate stakeholders is generallg considered essential。 ……

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精彩短评

1、中文题目的副标题翻译有误，应该是生物系统学方法，而不是系统生物学方法！

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