

1. Record Nr.	UNINA9911015684503321
Autore	Deb Rajib
Titolo	Emerging Zoonotic Threats from Swine : A Public Health Perspective / / edited by Rajib Deb, Jitendrakumar Nayak, Gyanendra Singh Sengar, Vivek Kumar Gupta
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9674-07-7
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (595 pages)
Altri autori (Persone)	NayakJitendrakumar SengarGyanendra Singh GuptaVivek Kumar
Disciplina	636.08901
Soggetti	Veterinary microbiology Veterinary medicine Medical microbiology Public health Veterinary Microbiology Veterinary Science Medical Microbiology Public Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Chapter 1: Swine Farming Practices And Their Impact On Public Health -- Chapter 2: One Health Approach: Integrating Swine, Humans, And The Environment -- Chapter 3: Zoonotic Disease Surveillance And Monitoring In Swine Populations -- Chapter 4: Swine Influenza: A Constant Threat To Public Health -- Chapter 5: The Silent Threat: Understanding Nipah Virus And Its Implications -- Chapter 6: Streptococcus Suis: An Emerging Zoonotic Pathogen From Swine -- Chapter 7: Swine-Associated Methicillin-Resistant Staphylococcus Aureus -- Chapter 8: Brucellosis In Swine And Its Implications For Human Health -- Chapter 9: Salmonellosis: A Major Foodborne Zoonotic Disease Linked To Swine -- Chapter 10:Hepatitis E Virus (Hev) Unveiled: A Comprehensive Examination From Genotypes,

Epidemiology And Zoonotic Challenges To Public Health Strategies -- Chapter 11:Swine Associated Parasites And Their Impact On Human Health -- Chapter 12:Toxoplasmosis: Understanding The Swine And Human Transmission Cycle -- Chapter 13:Emerging Coronaviruses In Swine And Their Potential To Affect Humans -- Chapter 14:Japanese Encephalitis - An Arbovirus With Swine Reservoir -- Chapter 15: Leptospirosis: Investigating Swine As A Reservoir For Human Infections -- Chapter 16:Swine Erysipelas: Unveiling The Risks And Strategies For Control -- Chapter 17:The Role Of Vaccination In Controlling Swine Zoonosis -- Chapter 18:Diagnostic Techniques For Detection Of Swine Zoonoses -- Chapter 19:Biosecurity Measures For Swine Farms And Zoonotic Disease Mitigation -- Chapter 20:Risk Communication And Education: Raising Awareness About Swine Zoonoses -- Chapter 21: Prevention And Control Strategies For Swine Zoonoses.

---

## Sommario/riassunto

This textbook provides insights into emerging zoonotic threats from swine, covering the fundamentals of swine biology to the complexities of zoonotic disease transmission. It includes information on both the emergence and impact of swine health on public well-being. Each chapter is supplemented with prevention and control strategies, addressing the impact of swine-borne viruses on human health. A separate chapter addresses the impact of farming practices on public health and the one-health approach, emphasizing the interconnectedness of swine, humans, and the environment. The textbook also discusses surveillance and monitoring techniques for detecting zoonotic diseases in swine populations, highlighting threats posed by pathogens such as Swine influenza, Nipah virus, and *Streptococcus suis*. Further chapters emphasize emerging viruses, parasitic worms, and bacterial infections. Additionally, it covers the role of vaccination, diagnostic techniques, and biosecurity measures in controlling and mitigating these diseases, while also addressing the importance of risk communication and education in raising awareness. This textbook is relevant for veterinarians, researchers, policymakers, and public health professionals alike, providing insights into the intersection of swine health and public health. It also serves as a resource for professionals seeking to understand and address the challenges of swine zoonoses.

---