



Title: African swine fever and works toward a cure

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Abstract

It's been reported as having affected more than 1,000,000 domestic pigs and over 36,000 wild boars since January 2020, according to the World Organization for Animal Health (WOAH). *It's* been reported by the same organization as having claimed close to a combined total of 2,000,000 pig and wild boar lives from the same time as well. And *it's* been reported as being present in five different world regions in 39 countries. What exactly is this “*it*” spoken of that's so contagious, so deadly, and so widespread? “*It*” is none other than African Swine Fever (ASF). Going into detail, ASF is a hardy viral disease – very large and complex in structure under a microscope – that only affects swine, particularly the blood of swine by causing hemorrhage and edema. Hearing that, humans obviously needn't worry about contracting the virus and coming down with a similar illness from it, but do need worry about its impact on the pork industry where there's a massive amount of money circulating through it and trade going on. Elaborating, for those involved in the business of getting pork from farm to table, ASF is a nightmare, forcing farmers to have to slaughter a large quantity of their pigs and, as a result, lose profit, thus affecting their livelihoods and the livelihoods of many others they work in conjunction with. Even worse is that, to date, ASF has no cure, which brings this abstract to the focus of its respective poster: what's being done in the way of finding a cure for ASF. At that, and concluding this abstract, what viewers can expect of this poster is to, first, be taken through a collection of what could currently be found by the author as works toward an ASF cure, then taken through possible solutions from the author themselves.

Keywords: African Swine Fever | Viral Disease | Pork | Cure

Biography

Mr. Evans' background spans multiple memberships and an education in multiple disciplines, making for one that's both different and expansive in knowledge. Concerning his memberships, he's a member of the Honor Society Phi Kappa Phi, Honor Society of Food Science and Technology (Phi Tau Sigma), and National Society of Black Engineers (NSBE). With his education, he has a Master of Science degree in Food Technology, where subjects covered included regulation and policy, biochemical reactions, sensory evaluation, processing, fermentation, and packaging; a certificate in Healthcare Science, where its subjects were human anatomy & physiology and psychology; and a Bachelor of Science degree in Biology, where he spent the elective side of his study in the subjects botany and mycology. Finally, at present, he has 1 published manuscript, as sole author, on the topic of past, present, and future space food packaging materials and technologies; and his research interests are food processing and packaging technology, muscles, and cell biology.