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## Efficacy of Anti-AHPND formulated feed in vannamei shrimp in Vietnam

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A bioassay trial was conducted to determine the efficacy of developed feed as an anti-AHPND candidate. The treatment was fed on anti-AHPND feed whereas control fed on the regular feed throughout the experiment. The shrimp of both treatment and control were challenged by per os method on day 8. The cumulative AHPND-gross sign appearance in positive control reached up to 95% at dpi 8 whereas no gross sign appeared in treatment and in negative control. The cumulative mortality reached up to 90% at dpi 8 in positive control whereas no mortality recorded in treatment and negative control. The *Vibrio parahaemolyticus* isolated from the hepatopancreas of infected shrimp were matched 100% with the existing AHPND strain. The trial results show that the developed anti-AHPND feed has significant effect against AHPND pathogen in a controlled condition.

### Biography

Rajeev Kumar Jha is working in Technology and Research Division at Central Proteina Prima, taking care of shrimp and fish Health research and monitoring. He is in-charge of shrimp and Fish Health and Disease Bioassay and Disease diagnostics laboratories, which is well facilitated both with advanced molecular diagnostic tools and conventional Histopathology and rapid histology and Microbiology tools and techniques. He is conducting various Researches on the characteristics and behavior of various shrimp and fish pathogen and there remedial measures. He was awarded Chinese Government Full Scholarship during his Doctor and awarded Merit Scholarship by Govt of India during Masters. Rajeev has published more than 22 research articles in peer-reviewed journals and 15 popular articles in well-rated Journals. He was awarded by ICAR for discovering 25 Indigenous Techniques on various Aquatic health and disease related aspects, which was transferred and patented by Indigenous Technology Knowledge (ITK), ICAR, Govt. of India.

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