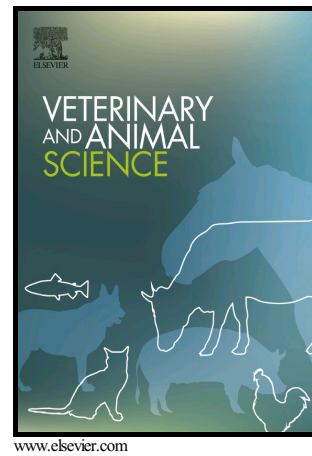


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An assessment of health management practices and occupational health hazards in tiger shrimp (*Penaeus monodon*) and freshwater prawn (*Macrobrachium rosenbergii*) aquaculture in Bangladesh

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1 **An assessment of health management practices and occupational health hazards in tiger**
2 **shrimp (*Penaeus monodon*) and freshwater prawn (*Macrobrachium rosenbergii*)**
3 **aquaculture in Bangladesh**

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14
15 **Abstract**

16 Diseases have been recognized as the major obstacle to the shrimp (*Penaeus monodon*) and
17 prawn (*Macrobrachium rosenbergii*) aquaculture production in Bangladesh. This study
18 provided an assessment of shrimp and prawn diseases/syndromes, health management
19 practices, and occupational health hazards associated with the handling of chemical and
20 biological products to prevent and treat shrimp and prawn diseases. A survey was conducted
21 using a semi-structured questionnaire with 380 shrimp and prawn farmers in the southwest of
22 Bangladesh during February and June of 2016. The farms were categorized on the basis of
23 the three cropping patterns: shrimp polyculture, prawn polyculture, and shrimp and prawn
24 polyculture. Eight different diseases and/or symptoms were reported by the surveyed farmers.
25 The white spot disease and the broken antenna and rostrum symptom were the most common

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