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(57) Abstract :

The present disclosure relates to a system for predicting health condition of avians by analysing faecal data. The system (102) receives faeces media of avians by receiving module. The system (102) pre-process faeces media of avians by pre-processing module to enhance quality, and consistency of faeces media. The system (102) extracts handcrafted characteristics, complex characteristics from faeces media by extraction module. The system (102) concatenates handcrafted characteristics, complex characteristics by concatenating module to obtain hybrid feature vectors. The system (102) predicts health condition of avians by prediction module based on hybrid feature vectors, where prediction module compares and analyses hybrid feature vectors of faeces media within faeces media dataset stored in database.

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