



Animal Biosensors

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closed (30 July 2020)

Message from the Guest Editor

Dear Colleagues,

Animal biosensors are a new concept of fusion technology consisting of a combination of animals' biological function and cognitive learning ability. In particular, animal sensors based on olfaction have great advantages, such as low cost, non-invasive detection, and rapid diagnosis (or primary screening). So far, the odor identification ability based on the olfactory sense of an animal has been applied to some fields of scientific investigation, forensic science, homeland security, ecological research, and medical diagnostics (i.e., cancer, diabetes, tuberculosis, etc.). Along this line, there is a great possibility to replace various diagnostic detection systems in the near future. We invite original papers that address the behavioral odor detection by animals. The topics of the Special Issue "Animal Biosensors" include narcotics detection, explosives detection, environmental monitoring, food safety detection, and disease diagnostics using animal olfaction.





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Message from the Editor-in-Chief

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