



animals



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Animal Biosensors

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Deadline for manuscript
submissions:

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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Special Issue



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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2023, ranks 10/80 (Q1) in ‘Agriculture, Dairy & Animal Science’; 16/167 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.0.

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