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Detection of Parasites Using Traditional and Advanced Molecular Techniques

Guest Editors:

Prof. Dr. Saeed El-Ashram

1. College of Life Science and Engineering, Foshan University, Foshan 528231, China
2. Faculty of Science, Kafrelsheikh University, Kafr El-Shaikh, Egypt

Dr. Abdulaziz Alouffi

Associate Professor, King Abdulaziz City for Science and Technology, Riyadh 12354, Saudi Arabia

Prof. Dr. Sobhy Elsayed Hassab El-Nabi

Faculty of Science, Menofia University, Shibeen El-Kom, Egypt

Message from the Guest Editors

The global death toll from parasitic diseases has been reduced, partly due to the widespread use of molecular tests in the diagnosis, therapy, and epidemiological research of these illnesses. Techniques, such as optical microscopy, are employed in the laboratory for the morphological identification of parasites, which is the standard practice in parasitology. The inconsistency in detecting these parasite forms may reduce the sensitivity of such approaches. To overcome these obstacles, molecular techniques are used to identify parasites that cause parasitic illnesses. The utility of molecular techniques in epidemiological studies is particularly striking because studies of this nature involve the genetic diversity of populations, their susceptibility to infection and the possibility of mutation, the geographical spread of parasite illnesses, and their association with hosts and clinical manifestations.

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Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia
2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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