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Species Authentication and Pathogen Identification in Seafood

Guest Editor:

Prof. Dr. Tiziana Pepe

Department of Veterinary
Medicine and Animal Production,
University Federico II, 80137
Naples, Italy

Deadline for manuscript
submissions:

closed (12 November 2021)

Message from the Guest Editor

European regulations on the common organization of the market in fishery and aquaculture products require the traceability and species identification of seafood. For consumer protection and safety, competent national authorities responsible for monitoring and enforcing could improve and make full use of the available technology, including DNA testing. Genetic diversity or variations and their measurement enable molecular methods to be considered one of the most suggested solutions to aliud pro alio frauds. Molecular methods could also be applied to foodborne pathogen identification in seafood, as these pathogens are responsible for outbreaks and serious illness all over the world. The use of molecular methods, including PCR, may overcome some of the problems encountered in the identification of foodborne pathogen species (bacteria, viruses, etc.) and increase our understanding of epidemiology.

This Special Issue is dedicated to DNA techniques applied to seafood to discriminate between species and to identify foodborne pathogens, in order to guarantee the authenticity of the label and the safety of products.



mdpi.com/si/55603

Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN 47907, USA

2. Department of Comparative
Pathobiology, Purdue University,
West Lafayette, IN 47907, USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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