

## Topical Collection

# Basic and Applied Aspects of Incubation Oriented to the Needs of the Embryos

### Message from the Collection Editor

The influence of environmental factors during prenatal development on phenotypic diversity across the lifespan is widely recognized, and the phenomena of fetal programming and vegetative imprinting have been studied in several animal species. Even in precocial birds, as all poultry species, environmental factors during incubation can determine the developmental trajectory throughout life. Therefore, knowledge of embryonic development and organism-environment interactions is essential to optimize the incubation process to improve post-hatching robustness, adaptability, health, and ultimately to ensure primary performance and welfare.....Hatchery environment, management of embryo development in conjunction with the physiological needs of the embryos become key factors in the poultry production chain. New approaches require new technical solutions and optimizations. This Topical Collection will be dedicated to new developments in this broad field, both in basic and applied research.

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### Collection Editor

Prof. Dr. Barbara Tzschentke

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## Poultry

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## About the Journal

### Message from the Editor-in-Chief

*Poultry* is a newly established, online, open access journal that aims to publish high-quality research on topics in various areas of poultry production and health. This research should reflect the eminent and increasing importance of all poultry species reared for human nutrition. *Poultry* adheres to rigorous peer-review and editorial processes. Containing specialists from different areas in this field of research, the Editorial Board enthusiastically works to safeguard the quality of the review process and your contribution. A dedicated support team from the publisher is available, when required, to offer help and support for specific requests. Equipped with such a wide breadth of knowledge and expertise, *Poultry* should be the landmark for research on poultry science.

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### Editor-in-Chief

Prof. Dr. Michael Hess

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