

Special Issue

Analysis of Amplification Curve Data

Message from the Guest Editors

Since the advent of PCR, amplification curve data has become common not only in molecular laboratories, but also in diagnostics and forensics. Although the principles of nucleic acid quantification appear to be simple, the data analysis proves to be challenging. Despite almost thirty years of development of methods for nucleic acid quantification, there is still a need for more precise and reproducible solutions. Another issue is the variability of the implementations of quantification algorithms which are built using different assumptions depending on the software. This includes methods for the analysis of quantitative PCRs, digital PCRs, and melting curve analyses. To overcome obstacles from the process of data generation (preparing and processing the sample material, reporting the experimental conditions), the scientific community focused on developing data analysis methods and standards (such as MIQE and digital MIQE guidelines).

Guest Editors

Dr. Stefan Rödiger
Dr. Andrej-Nikolai Spiess
Dr. Michał Burdukiewicz

Deadline for manuscript submissions

closed (17 November 2021)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/55280

Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

[mdpi.com/journal/
life](https://mdpi.com/journal/life)





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
life](https://mdpi.com/journal/life)



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)