



60 Years of the Three Rs and Their Impact on Animal Welfare

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editors

Laboratory animals are used for many scientific purposes, including ‘basic’ biology, safety testing, and medical and veterinary research. The ethical and animal welfare concerns associated with animal use are widely recognized, and investment into humane alternatives is increasing, but full replacement is currently impossible and over 100 million animals per year are used globally.

Laboratory animal science, a multidisciplinary branch of science contributing to the quality of animal experiments and to laboratory animal welfare, began in the 1950s. Growing recognition that animals are not just ‘research tools’, and better welfare means better science, led to the concept of the Three R’s—replacement, reduction, and refinement—defined by Russell and Burch in 1959. This year we celebrate the 60th anniversary of the Three Rs!

We invite submissions on current good-practice and/or evaluation studies, as well as articles reviewing Three Rs achievements in specific areas, or taking a forward look, in any research field or species. Submissions on ethical implications of the Three Rs, and concepts such as the culture of care, are also welcome.





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Message from the Editor-in-Chief

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