



Preface

After the inaugural volume of a new scholarly open-access journal Translational Research in Veterinary Science (TRVS), Nicolaus Copernicus University (NCU) publishers, we are publishing the first issue of the second volume (Year 2019) devoted in the field of veterinary science. The aim of this issue is to publish the basic researches in the field of veterinary science discipline. This second volume for the year 2019 includes five manuscripts based on the clinical research studies and next-generation genome sequencing (NGS) studies in Cattle, Pig, and Horse. Herein describe in brief, Pareek *et al.* (2019) have published the original research paper based on the application of NGS technology in -Omics research in cattle. Study summarized the methodological part of the NGS technology illustrating the bioinformatics tools and application of quality control (QC) to verify the quality of large set of transcriptomic (RNA-seq) data in Hereford bulls. Based on the clinical research study, Dordas-Perpinya and Bruyas (2019) paper reviewed the current status of equine embryo transfer technic in mare. Similarly, based on the clinical research study. Henklewski (2019) paper presented the comparative study between palpation and radiographic findings in Horses affected by Equine Back Disorders. Lastly, Pierzchala *et al.* (2019) published two original research papers based on the application of NGS technology in -Omics research in Polish Landrace pigs. In the first original research paper, Pierzchala *et al.* (2019a)

published the RNA-seq based SNP discoveries in *gluteus medius* muscle transcriptome of Polish Landrace pigs, and in the second original research paper, Pierzchala *et al.* (2019b) published the RNA-seq based SNP discoveries in liver transcriptome of Polish Landrace pigs. For the first time, In this issue, we are publishing the genomic data of cattle (Pareek *et al.* 2019) and pig (Pierzchala *et al.* 2019a and Pierzchala *et al.* 2019b), respectively. These published genomics data were also published to the domesticated animal nucleotide archives web resources at the National Centre for Biotechnology Information (NCBI) (<https://www.ncbi.nlm.nih.gov/sra>) web site. I would like to thank all authors for their contribution. This issue would not have been possible without the great support of the editorial board members, Therefore, I would like to express our sincere thanks to all of them. I would also like to thanks to the manuscripts reviewers, TRVS editorial technical staff of NCU publisher, particularly Mirosława Buczyńska, Elżbieta Kossarzecka, and Grzegorz Kopcewicz, who supported me energetically at every stage of the project. Finally, this volume of TRVS is greatly acknowledged the supported of NCU funds from JM Rector Prof. dr hab. Andrzej Tretyn.

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