

A. Kanavos, I.E. Livieris, F. Mylonas, S. Sioutas and G. Vonitsanos. Towards analyzing next generation sequencing algorithms. In *Advances in Experimental Medicine and Biology*, Springer Verlag, 2018.



**Abstract** - The availability of numerical data grows from one day to the other in an extraordinary way. This is the case for DNA sequences produced by new technologies of high-throughput Next Generation Sequencing (NGS). In this paper, we perform some experiments using Apache Spark in some sequences derived from National Center for Biotechnology Information (NCBI).