

# EDITORIAL

In this second issue of 2018 the Bolivian Physics Review (RBF) takes the opportunity to inform readers and contributors that the RBF accepts articles in English. We hope that this change brings a greater number of submitted articles and a wider public.

The RBF in its issue 33 shows the progress made by the High Energy Physics Research Group in collaboration with Japanese scientists to consolidate the ALPACA Project (Andes Large area Particle detector for Cosmic ray physics and Astronomy) . Also, in this issue the mesoscopic materials research group demonstrate their interdisciplinary nature with two articles: the first in collaboration with the Theoretical Physics Group and the second with the Institute Pharmacy and Biochemistry. Finally we highlight the activity of the Dr Max Schreier Planetarium and their efforts to promote and disseminate themes of physics and astronomy.

In this issue of the RBF there are three internationally refereed articles. In the first article Calle-García & Rivera-Bretel (2018) analyse the trigger efficiency using Monte Carlo simulation techniques for three types of cosmic ray particles protons, iron nucleons and gamma rays in a surface array. The authors found that sample size is important for the calculations carried out and that big samples are necessary to avoid large fluctuations. Working with a confined system of charged spheres, Ghezzi & Sanjinés (2018) use the relaxation method for the Laplace equations for a 3-dimensional grid. Their results agree with the Coulomb interaction hypothesis. Finally, Vargas-Arce *et al.* (2018) determine the kinetics of *Saccharomyces Cerevisiae* using potassium ferricyanide, and reveal that yeast growth produces a change in voltage.

Finally, as part of the social interaction of the Dr Max Schreier Planetarium, a detailed and didactic description of the telescope and the physical concepts related to its workings, is presented. This is accompanied by numerous examples and frequently asked questions answered making the guide a useful resource for the teaching of physics and astronomy.

We hope that this issue of the RBF is of interest to the scientific community and that at the same time it motivates scientists to send their intellectual work for publication. We are grateful for the SciELO platform which is freely accessible to the entire scientific community and the general public.

## REFERENCIAS

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