

-----Original Message-----

From: XXX YYY<xxx@yyy.zzz>

Sent: Mon, Feb 9, 2015 at 2:13 PM

To: Managing Editor

Subject: Re[2]: Request for editorial decision for manuscript number 2014\_AJEA\_15862

I send for your consideration my decision for manuscript number 2014\_AJEA\_15862.

The action of a constant magnetic field on biological systems (plants) is of scientific interest.

This interest caused by the fact that the biological objects are diamagnetic.

As is known, the influence on diamagnetic formation of the magneto-static field is very small.

However, the observed biological response says about another.

This is due to the fact that the static magnetic field can significantly affect the molecular processes in living organisms. The fact that ions, molecules that are in the triplet spin state (e.g. oxygen), or molecules that are in a non equilibrium excited state, as well as molecules with an open electron shell may take part in living processes.

In this case the effect of the static magnetic field can be significant.

This leads to the indirect influence of a constant magnetic field on the vital activity of biological objects.

Already E. Bauer pointed to the existence of non-equilibrium states in living organisms (E. Bauer "Theoretical Biology").

Most of the reviewers' comments are fair. However, I note an important result of this article, which reviewers have not paid attention.

The authors obtained new result, which points to the asymmetry of the mechanisms determining vital activity of plants in a magnetic field (north and south poles of the magnet).

I absolutely agree with the reviewers' comments: Introduction (iii) Reviewer\_3\_ANON\_NJ\_15862. I believe that the scientific article must contain only the scientific facts. Paragraph "there is a universal attraction or what some people call a world-soul, it is life, as fire and ethereal as light itself. All matter is destitute of action, except when this life-force, magnetic force, permeates it." should be removed.

I think the article is of interest to the journal.

I recommend to accept the manuscript.

**Editor's Details:**

Vladimir K. Mukhomorov

Agrophysical Institute, 14 Grazhdanskiy Ave., St-Petersburg, 195220, Russia

*Note: Modification was done in this document ONLY to hide the email id and some comments, which are against the SDI peer review guidelines.*