

Author's Feedback against Reviewer's Comment:

Reviewer 2

Comments: I do not understand the purpose of the present manuscript. A short review should provide a summary of an area of research and provide an entry point into the scientific literature on a subject. But this manuscript is not authoritative, up-to-date, or even accurate. *Calotropis* extracts would never be approved for use in any jurisdiction that regulates pesticides given the notorious pharmacological activity of cardenolides in mammals. (Also note, the authors never even mention cardenolides, although they show structures of several such compounds). Botanical insecticides based on *Annona* species have already been rejected by US regulatory authorities based on the mammalian toxicity of the acetogenins, the active principles in the seeds. The present authors list numerous other secondary plant substances in both genera of plants, but the prevailing evidence points to the cardenolides in *Calotropis* and the acetogenins in *Annona* seeds as the insecticidal principles. The literature reviewed is mostly from obscure sources with minimal recognized impact. A cursory search in the *ISI's Web of Science* turned up a dozen recent papers on insecticides from *Annona* species, none of which are cited in the manuscript, and similarly a half dozen recent papers on *Calotropis* extracts as insecticides, none of which are cited. There are numerous other inaccuracies in the manuscript (such as outdated latin binomials for some of the plants discussed), and the entire manuscript would require thorough editing by a native Anglophone as the grammar is currently not at a minimally acceptable level for an English language journal. Given that the subject of botanical insecticides has been reviewed in detail in several books and in the *Annual Review of Entomology*, I don't see any value in pursuing publication of this error-filled manuscript.

Answers:

The review has been modified and corrected as per the advice of the reviewer. We have added descriptions related to the cardenolides in *Calotropis* and the acetogenins in *Annona* seeds as the insecticidal principles. Though the cardenolides exhibit toxicity in mammalian systems, the compound may be further developed exclusively for the insects in future.