**ReviewForm2**

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| BookName: | ResearchAdvancesinEnvironment,GeographyandEarthScience |
| ManuscriptNumber: | **Ms_BPR_2829** |
| TitleoftheManuscript: | **BeneficiationofAgriculturalWastefromPiggeriesLocatedWithinResidentialAreasinPromotingGreenProduction** |
| TypeoftheArticle | **Bookchapter** |

**ReviewForm2**

**PART1:ReviewComments**

| **Compulsory**REVISIONcomments | **Reviewer'scomment** | **Author's Feedback** *(Please correct the manuscript and highlight that part inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)* |
|---|---|---|
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. Why doyoulike(ordislike)thismanuscript? Aminimumof 3-4 sentences may be required for this part.** | **Intensiveperi-urbanproductionisimportanttosolveproblemsofthelow-incomepopulation.However,if the sustainable systematicity of these projects is unknown, complex situations of zoonoses, the environment, and the destruction of limited resources may arise. It is vitally important that society is trained in transportation production and conforms to legal regulations. Outdoor or green production is attractive to the consumer but also very complex to manage.**<br><br>Theresearchstudyisnotable.Ahighpercentageofthepopulationknows about the problems of intensive pig production. Now, although effluent treatment is raised, it is not a simple issue. Greenhouse gas emissions are complex.Inthissense,itisnecessarytoknowthemethanationprocessof organic matter, which isvariousand expensive. Itinvolvesthe biological transformation of organic matter into thermal and electrical energy.<br>Likewise,theredoxstatusoftheslurrymustbecorrectsoasnottoproduce a sulfuric odor. Furthermore, the biological oxygen demandestablishes the proportionoforganicmatterdegraded,itisaprioritytomeasureit.The irrigation and fertilization stages are subsequent to the above. | |
| **Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)** | **Yes, Benefit of agricultural waste from pigs housed in circuits of residential areas to promote green production** | |
| **Is the abstract of the article comprehensive? Do you suggesttheaddition(ordeletion)ofsomepointsinthis section? Please write your suggestions here.** | **Relative. It mainly summarizes the consequences of the study. Perhaps, it is important to follow the systemic structure of the articles for their publication. In this sense, establishing the problems, the research objectives, the methodology used and measurement indicators could be included, synthetically.** | |
| **Aresubsectionsandstructureofthemanuscript appropriate?** | **Completely. The article is structured correctly. It has sections according to what was investigated. The introduction has relevant and topical postulates. The methodology is clear. The results and discussion are consistent with the problem and the theories and concepts that support the results. The conclusions are viewed as research achievements and the potential and limitations of the sustainable pork process are adequately mentioned.<br>Sufficient recommendations and the bibliography conforms to current international canonical regulations.** | |
| **Please write a few sentences regarding the scientific correctnessofthismanuscript.Whydoyouthinkthat thismanuscriptisscientificallyrobustandtechnically sound? A minimum of 3-4 sentences may be required for this part.** | **Themanuscriptiscorrectlywritten.Thepostulatesonthetopicareverycurrent,relevanttotheresearch problem. They have proposed an appropriate methodology according to the authors' claims. They have well defined the methodological steps. Consequently, the results and discussions are presented correctly and offer simple and important graphics to reach the reader's state of involvement in the work. It is notable that the comparison of the results with the science predicted on the subject allows us to glimpse prediction positions.**<br><br>**The treatment of swine effluents is complex and must be subjected to the rigor of anaerobiosis and aerobiosis processes. Thus, the emission of gases such as untreated or flamed methane produces abundant carbon dioxide units in the environment. High animal density makes intensive systems even more complex. In any case, it is clear that open-air production minimizes undesirable effects and favors less use of synthetic fertilizers, which require conventional energy. Recycling wastewater, properly treated, also exposes sustainability to high animal density production systems.** | |

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| Arethereferencessufficientandrecent?Ifyouhave suggestions of additional references, please mention them in the review form.<br>- | Adequate,sufficientandcurrent. | |

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| MinorREVISIONcomments<br><br>**Isthelanguage/Englishqualityofthearticlesuitable for scholarly communications?** | Isthequalityofthelanguage/Englishofthearticlesuitableforacademiccommunications? Yes,forscientificarticles.Ithasacorrectcanonicalstructure.Perhaps,thetechnicalwordscanbeadjustedto those in international use on the subject.<br><br>Forexample:pighousing,manure,organicwaste,biologicalandchemical demand, redox potential, irrigation and fertilization, among others. | |
| **Optional/General**comments | Itisachapterofimportancetoday, thetopicisinthelimelightofscience.Transformingpeople'squalityoflife are the best indicators of progress in overcrowded and popular places. | |

**PART 2:**

| | **Reviewer's comment** | **Author's comment***(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |

**Reviewer Details:**

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|---|---|
| Name: | **Rodolfo Oscar Braun** |
| Department, University & Country | **Universidad Nacional De La Pampa, Argentina** |