

**Review Form 1.6**

Journal Name:	<b>Annual Research &amp; Review in Biology</b>
Manuscript Number:	<b>Ms_ARRB_92118</b>
Title of the Manuscript:	<b>EFFECT OF PRIMARY, SECONDARY AND MICRO NUTRIENTS ON MAIZE YIELD IN THE WENCHI MUNICIPALITY</b>
Type of the Article	

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**PART 1: Review Comments**

	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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p><b>My comments</b> Thank you very much for giving me the chance to cooperate with your respected journal in reviewing this interesting work.</p> <p>The work is dealing with “<b>EFFECT OF PRIMARY, SECONDARY AND MICRO NUTRIENTS ON MAIZE YIELD IN THE WENCHI MUNICIPALITY</b>”. This work is very important for readers to improve their awareness of nutrients and their importance in growing the maize yield.</p> <p>Before the publication of this paper.</p> <ol style="list-style-type: none"> <li>1. The title is precise for the core message of this research.</li> <li>2. The introduction is well written and covered the period from 1995 to 2017 and this literature is satisfactory, but the recent references must be increased no need for old references. Some recent references in the field, I think it will improve the manuscript.</li> </ol> <ul style="list-style-type: none"> <li>• Abd El-Naby M. Saad, Ikhlas M. Abass, Samir M. Badr El-Din, Fatma H. Mohamed, A. M. El-Shamy, (1997). Use of Fungal Biomass in Batch and Continuous Flow Systems for Chromium (VI) Recovery. The African Journal of Mycology and Biotechnology. 5(1), 37-47.</li> <li>• M. El-Shamy, Hala K. Farag, W. M. Saad, (2017). Comparative Study of Removal of Heavy Metals from Industrial Wastewater Using Clay and Activated Carbon in Batch and Continuous Flow Systems, Egyptian Journal of Chemistry 60(6), 1165-1175. DOI: <a href="https://doi.org/10.21608/ejchem.2017.1606.1128">10.21608/ejchem.2017.1606.1128</a></li> <li>• A. M. El-Shamy, H. A. El-Boraey, H. F. El-Awdan, (2017). Chemical Treatment of Petroleum Wastewater and its Effect on the Corrosion Behavior of Steel Pipelines in Sewage Networks, J. Chem. Eng. Process Technol. 8(324), 1-9. DOI:10.4172/2157-7048.1000324</li> <li>• A. M. El-Shamy, Ibrahim Abdelfattah, Ola I. Elshafie, M. F. Shehata, (2018). Potential removal of organic loads from petroleum wastewater and its effect on the corrosion behavior of municipal networks, J. Environ. Management, 219, 325-331. <a href="https://doi.org/10.1016/j.jenvman.2018.04.074">https://doi.org/10.1016/j.jenvman.2018.04.074</a></li> <li>• Emad El-Kashef, A. M. El-Shamy, Ahmed Abdo, Elshafie A. M. Gad and Amr A. Gado, (2019). Effect of Magnetic Treatment of Potable Water in Looped and Dead-End Water Networks, Egypt. J. Chem. 62(8), 1467-1481. DOI: <a href="https://doi.org/10.21608/ejchem.2019.7268.1595">10.21608/ejchem.2019.7268.1595</a></li> <li>• M. F. Shehata, S. El-Shafey, N. A. Ammar, A. M. El-Shamy, (2019). Reduction of Cu<sup>+2</sup> and Ni<sup>+2</sup> ions from wastewater using mesoporous adsorbent: effect of treated wastewater on corrosion behavior of steel pipelines, Egypt. J. Chem. 62(9), 1587-1602. DOI: <a href="https://doi.org/10.21608/ejchem.2019.7967.1627">10.21608/ejchem.2019.7967.1627</a></li> <li>• A. M. El-Shamy, A. Abdo, E. A. M. Gad, A. A. Gado, E. El-Kashef, (2021). The consequence of magnetic field on the parameters of brackish water in batch and continuous flow system, Bull Natl Res Cent 45, 105. <a href="https://doi.org/10.1186/s42269-021-00565-3">https://doi.org/10.1186/s42269-021-00565-3</a></li> <li>• I. Abdelfattah, M. E. Abuarab, E. Mostafa, M. H. El-Awady, K. M. Aboelghait, A. M. El-Shamy, (2022) Integrated system for recycling and treatment of</li> </ul>	

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	<p>hazardous pharmaceutical wastewater, International Journal of Environmental Science and Technology, 1-10. <a href="https://doi.org/10.1007/s13762-022-04269-7">https://doi.org/10.1007/s13762-022-04269-7</a></p> <ul style="list-style-type: none"> <li>• Ibrahim Abdelfattah, Fathy A. El- Saied, Ali A. Almedolab, A. M. El- Shamy, Biosorption as a Perfect Technique for Purification of Wastewater Contaminated with Ammonia, Applied Biochemistry and Biotechnology, 1-30. <a href="https://doi.org/10.1007/s12010-021-03794-4">https://doi.org/10.1007/s12010-021-03794-4</a></li> <li>• Ibrahim Abdelfattah, Wael Abdelwahab, Ashraf El-Shamy, Montmorillonitic clay as a Cost-Effective, Eco Friendly and Sustainable Adsorbent for Physicochemical Treatment of Contaminated Water, Egypt. J. Chem. Vol. 65, No. 2 pp. 687 - 694 (2022). DOI: <a href="https://doi.org/10.21608/ejchem.2021.92320.4378">10.21608/ejchem.2021.92320.4378</a></li> <li>• Abdelfattah, I., El-Shamy, A. M. Chitosan as Potential De-coloring Agent for Synthetic and Textile Industrial Wastewater, Journal of Environmental Accounting and Management, 2022 10(3): 305–319.</li> <li>• Ibrahim Abdelfattah, Wael Abdelwahab and Ashraf M. El-Shamy, (2022). Environmental Remediation of Contaminated Wastewater with Ammonium Using Clay-Based Adsorbents, Nature Environment and Pollution Technology, 21(4) (December), Year 2022.</li> </ul> <p>3. The experimental work is well written and easy to understand because it contains all the required information.</p> <p>4. The results are promising, and I have some comments about this part of the research. Most of Figures and Tables are good.</p> <p>5. The conclusion part is well written, but this work is very important in field applications so please add one more sentence to highlight the benefits of this work in application.</p> <p>6. The references are listed according to the requirements of the journal. Please update the recent references.</p> <p>7. The paper contains some minor editing and grammatical mistakes. Please check the attached file with these corrections.</p> <p>My decision is: <b>acceptance with minor revision</b> Please check the editing and grammatical errors and update the recent references about the mechanism of biocide on microorganisms.</p>	
<b>Optional/General</b> comments		

**PART 2:**

	<u>Reviewer's comment</u>	<u>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)</u>
<u>Are there ethical issues in this manuscript?</u>	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

**Reviewer Details:**

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