

Review Form 1.6

Journal Name:	Asian Journal of Physical and Chemical Sciences
Manuscript Number:	Ms_AJOPACS_90309
Title of the Manuscript:	Assessment of heavy metal concentration in soil and plant and Evaluation of Bioconcentration factor at LOUMBILA market gardening perimeters, Burkina Faso
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajopacs.com/index.php/AJOPACS/editorial-policy>)

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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)
Compulsory REVISION comments		
Minor REVISION comments	<p>Reviewer's comment</p> <p>Thank you for giving me the chance to review this interesting work.</p> <p>The work is dealing with "Assessment of heavy metal concentration in soil and plant and Evaluation of Bioconcentration factor at LOUMBILA market gardening perimeters, Burkina Faso". This work is very important for readers to improve their awareness of risk assesment, especially in heavy metals exposures. The paper is carefully prepared but for more benefits of this work, some comments must be fixed before the publication of this paper.</p> <ol style="list-style-type: none"> 1. The title is precise for the core message of this research. 2. The introduction covered the period from 2006 to 2020 and this literature is satisfactory but for more benefit for the readers, kindly add some related references, especially in the heavy metals contamination and how to deal with. <ul style="list-style-type: none"> • 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. • 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: 10.21608/ejchem.2017.1606.1128 • 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 • 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. https://doi.org/10.1016/j.jenvman.2018.04.074 • 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: 10.21608/ejchem.2019.7268.1595 • M. F. Shehata, S. El-Shafey, N. A. Ammar, A. M. El-Shamy, (2019). Reduction of Cu⁺² and Ni⁺² ions from wastewater using mesoporous adsorbent: effect of treated wastewater on corrosion behavior of steel pipelines, Egypt. J. Chem. 62(9), 1587-1602. DOI: 10.21608/ejchem.2019.7967.1627 • 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. https://doi.org/10.1186/s42269-021-00565-3 • 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 hazardous pharmaceutical wastewater, International Journal of Environmental Science and Technology, 1-10. https://doi.org/10.1007/s13762-022-04269-7 • 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. https://doi.org/10.1007/s12010-021-03794-4 • 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: 10.21608/ejchem.2021.92320.4378 • 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. • 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 	<p>Correction amended</p> <p>Done revision</p> <p>Done</p> <p>Revised</p>

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	<p>Technology, 21(4) (December), Year 2022.</p> <p>3. The experimental work is satisfied.</p> <p>4. The results are promising, and I have no comments about this part of the research.</p> <p>5. The conclusion is well written but needs one more sentence to highlight the benefits of this work in application because it is cost-effective and efficient in pollution control</p> <p>6. The references are listed according to the requirements of the journal.</p> <p>7. The paper contains some minor editing and grammatical mistakes. Please check it before publishing the manuscript</p> <p>I recommend publishing this paper after minor revision for editing and grammatical revision, updating the conclusion part, and adding some related references for the microstructure of clay and its effect on the improvement of the adsorption process</p>	
<u>Optional/General</u> comments		

PART 2:

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