

Review Form 1.7

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_109015
Title of the Manuscript:	Design of an Extraction System to attain the Maximum Fume Removal Capacity for a Welding Company in Guyana.
Type of the Article	Original Research Article

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript is important to the scientific community and opens a field for cooperation and integration of medical, engineering and environmental sciences 2. The title is appropriate 3. No, brief paragraphs should be added about the method of work and the most important results 4. The subsections and structure of the manuscript are fairly adequate 5. I believe that the manuscript is scientifically correct and more manuscripts can be built on it 6. References are insufficient and must be updated <p>suggestion of additional references: Loomis, D., Dzhambov, A. M., Momen, N. C., Chartres, N., Descatha, A., Guha, N., ... & Pega, F. (2022). The effect of occupational exposure to welding fumes on trachea, bronchus and lung cancer: A systematic review and meta-analysis from the WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury. <i>Environment International</i>, 107565.</p> <p>Soltanpour, Z., Rasoulzadeh, Y., & Mohammadian, Y. (2023). Occupational exposure to metal fumes among iranian welders: systematic review and simulation-based health risk assessment. <i>Biological Trace Element Research</i>, 201(3), 1090-1100.</p> <p>Xia, L., Park, J. H., Biggs, K., Lee, C. G., Liao, L., & Shannahan, J. H. (2023). Compositional variations in metal nanoparticle components of welding fumes impact lung epithelial cell toxicity. <i>Journal of Toxicology and Environmental Health, Part A</i>, 86(20), 735-757.</p> <p>Kuppusamy Vellingiri, S. K., Manoharan, D., Ponnusamy, S., Kettimuthu Ramadass, U., & Dhanabalaselvan, V. (2023). Assessment of welding fume impacts in a confined workplace by two extraction patterns—a case study of small-scale manufacturing industries. <i>Environmental Science and Pollution Research</i>, 30(4), 10037-10051.</p> <p>Rechtman, E., Curtin, P., Onyebeke, L. C., Wang, V. X., Papazaharias, D. M., Hazeltine, D., ... & Horton, M. K. (2020). Respirator usage protects brain white matter from welding fume exposure: A pilot magnetic resonance imaging study of welders. <i>Neurotoxicology</i>, 78, 202-208.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Yes, the language/English quality of the article is fairly suitable for academic communication</p>	
<p>Optional/General comments</p>	<p>The idea of the manuscript is good, but it would have produced more useful results if scientific research was integrated in the fields of environmental sciences, engineering, and medicine.</p>	

[Review Form 1.7](#)

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>	

Reviewer Details:

Name:	Ahmed Gelany
Department, University & Country	Luxor University, Egypt