

[Date of submission]

Comment [A1]: Please insert the date of submission here.

Farzin Deravi
Editor-in-Chief
IET Image Processing

Dear Editor:

I wish to submit an original article for publication in IET Image processing, titled “**Air Leak Detection in Air Conditioner Compressors using Image Processing Techniques.**” The paper was coauthored by [].

Comment [A2]: Provide the names of all authors except for the corresponding author. If the corresponding author is the only author, **delete this sentence.**

This study presents an algorithm to detect air leakage and identify the leakage point using image processing techniques. The algorithm is employed for air conditioner compressors, and it can be extended to other industrial applications as well. The algorithm uses connected-component labeling and blob analysis to process images captured using a video camera. These techniques help identify air bubbles (which indicate air leakage) using a video camera. We believe that our study makes a significant contribution to the literature because the technique suggested in our paper is fast, accurate, and reliable. This will certainly help deliver quality goods and avoid air leakage in several compressor-based appliances.

Further, we believe that this paper will be of interest to the readership of your journal because as our method offers solutions to the manual inspection method that has potential errors and it offers a 95% accuracy in the inspection of air leakages.

This manuscript has not been published or presented elsewhere in part or in entirety and is not under consideration by another journal. We have read and understood your journal's policies, and we believe that neither the manuscript nor the study violates any of these. [There are no conflicts of interest to declare.]

Comment [A3]: If conflicts of interest need to be declared separately, replace this sentence with the following one: “Details about competing interests are provided separately.”

Thank you for your consideration. I look forward to hearing from you.

Sincerely,
[Author's name]
[Affiliation]
[Postal address]
[Phone number]
[Fax number]
[Email address]

Comment [A4]: Please provide the required information here.