



REVIEWER'S REPORT

Manuscript No.: **IJAR-50441**

Date: 01/03/25

Title: -

Recommendation:

- Accept as it is
- Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality	-			
Techn. Quality		-		
Clarity		-		
Significance	-			

Reviewer Name: [Vocal Chameleon](#)

Reviewer's Comment for Publication.

The article contributes by developing an advanced vocal processing system that enhances karaoke experiences through DSP techniques like equalization, pitch correction, and reverb. It also provides a structured MATLAB-based implementation, demonstrating significant improvements in vocal clarity and audio quality.

Detailed Reviewer's Report

The article presents an approach to improving the karaoke experience by integrating advanced vocal processing techniques such as equalization, pitch correction, reverb, and chorus effects. The proposed system enhances the quality and personalization of karaoke tracks.

The research employs MATLAB for implementing digital signal processing (DSP) techniques, leveraging its built-in functions and toolboxes.

The methodology is well-structured, covering normalization, spectral analysis, and audio effects to refine vocal recordings.

The article provides a theoretical foundation by reviewing key works in audio signal processing, speech enhancement, and DSP techniques, demonstrating a clear understanding of prior research and existing challenges in the field.

The study evaluates the results using spectrogram analysis, waveform visualization, and quantitative measures like pitch correction accuracy, showcasing improvements in vocal clarity and audio balance.

The paper discusses potential advancements such as machine learning integration, real-time processing, and automated parameter tuning, indicating promising applications in music production, telecommunications, and entertainment.

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Overall, the paper is a good contribution and should be accepted.