



## Retraction Note: CNN deep learning-based image to vector depiction

Safa Riyadh Waheed<sup>1,2</sup> · Mohd Shafry Mohd Rahim<sup>1</sup> · Norhaida Mohd Suaib<sup>1</sup> · A. A. Salim<sup>3</sup> 

© The Author(s), under exclusive licence to Springer Science+Business Media, LLC, part of Springer Nature 2024

**Retraction Note: Multimedia Tools and Applications (2023) 82:20283-20302**  
<https://doi.org/10.1007/s11042-023-14434-w>

The Editor-in-Chief and the publisher have retracted this article. An investigation by the publisher found a number of concerns, including but not limited to citations which do not support claims made in the text, non-standard phrasing, and image irregularities. Based on the investigation's findings the Editor-in-Chief therefore no longer has confidence in the results and conclusions of this article.

Author A.A. Salim disagrees with this retraction. The other authors have not responded to correspondence regarding this retraction.

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

---

The original article can be found online at <https://doi.org/10.1007/s11042-023-14434-w>.

---

✉ A. A. Salim  
asali@utm.my

Safa Riyadh Waheed  
safa\_albdeary@hotmail.com

Norhaida Mohd Suaib  
haida@utm.my

<sup>1</sup> Faculty of Engineering, School of Computing, Universiti Teknologi Malaysia, 81310 Johor Bahru, Malaysia

<sup>2</sup> Computer Techniques Engineering Department, Faculty of Information Technology, Imam Jaafar Al-Sadiq University, Najaf, Iraq

<sup>3</sup> Laser Center and Physics Department, Faculty of Science, Universiti Teknologi Malaysia, Johor, Malaysia