



# RETRACTED ARTICLE: Brain tumour image classification using improved convolution neural networks

B. Suneetha<sup>1</sup> · A. Jhansi Rani<sup>2</sup> · M. Padmaja<sup>2</sup> · G. Madhavi<sup>1</sup> · K. Prasuna<sup>3</sup>

Received: 13 March 2021 / Accepted: 24 May 2021 / Published online: 18 June 2021  
© King Abdulaziz City for Science and Technology 2021

The Editor-in-Chief and the publisher have retracted this article. The article was submitted to be part of a guest-edited issue. An investigation by the publisher found a number of articles, including this one, with a number of concerns, including but not limited to compromised editorial handling and peer review process, inappropriate or irrelevant references or not being in scope of the journal or guest-edited issue. Based on the investigation's findings the Editor-in-Chief therefore no longer has confidence in the results and conclusions of this article.

None of the authors have responded to correspondence regarding this retraction.

The online version of this article contains the full text of the retracted article as Supplementary Information.

**Supplementary Information** The online version contains supplementary material available at <https://doi.org/10.1007/s13204-021-01906-4>.

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

Springer Nature or its licensor (e.g. a society or other partner) holds exclusive rights to this article under a publishing agreement with the author(s) or other rightsholder(s); author self-archiving of the accepted manuscript version of this article is solely governed by the terms of such publishing agreement and applicable law.

---

✉ B. Suneetha  
suneetha.bobbillapati@gmail.com

<sup>1</sup> Acharya Nagarjuna University, Guntur, AP, India

<sup>2</sup> ECE, V. R. Siddhartha Engineering College, Vijayawada, AP, India

<sup>3</sup> Vijaya Institute of Technology for Women, Vijayawada, AP, India