

A Peer Reviewed
Multidisciplinary
Journal

CERTIFICATE OF PUBLICATION



This is to Certify that

This Research Article/ Paper/ Case Study/ Presentation Submitted by

Ajay Sharma

titled "THE EDGE DETECTION SCHEME IN IMAGE PROCESSING
USING ANT AND BEE COLONY OPTIMIZATION"

has been published in

Volume 2 Issue 3 Dated 21st June 2022 In Airo National Journal

<https://www.airo.co.in/view-publication/1594>

A handwritten signature in blue ink, appearing to read "Ajay Sharma".

Authorised Signatory
Airo National
Journal

ISSN
2321-3914

airo
airo.co.in