

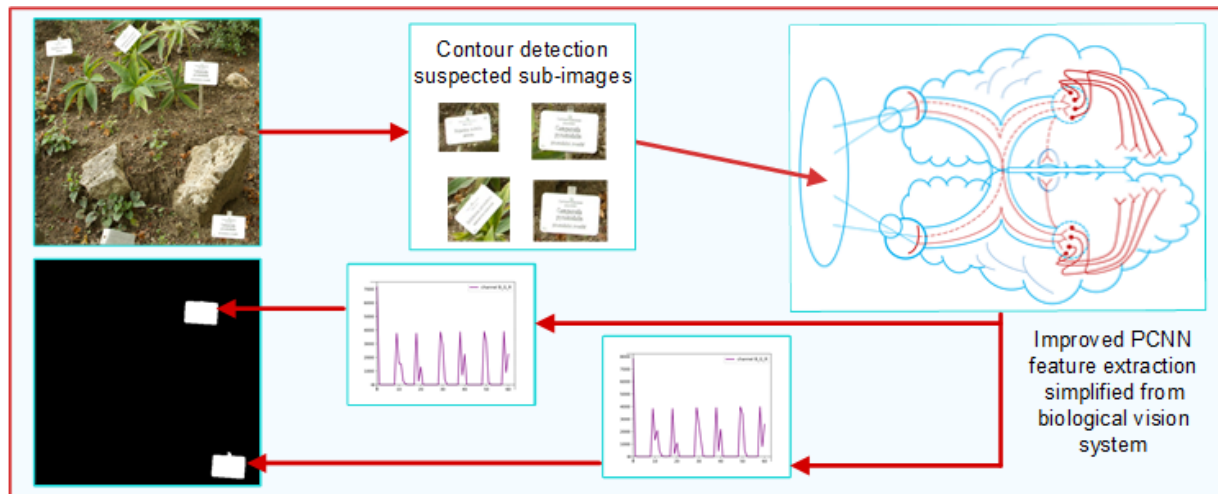
# Image copy-move forgery passive detection based on improved PCNN and self-selected sub-images

**Guoshuai ZHOU, Xiuxia TIAN, Aoying ZHOU**

Frontiers of Computer Science, DOI: [10.1007/s11704-021-0450-5](https://doi.org/10.1007/s11704-021-0450-5)

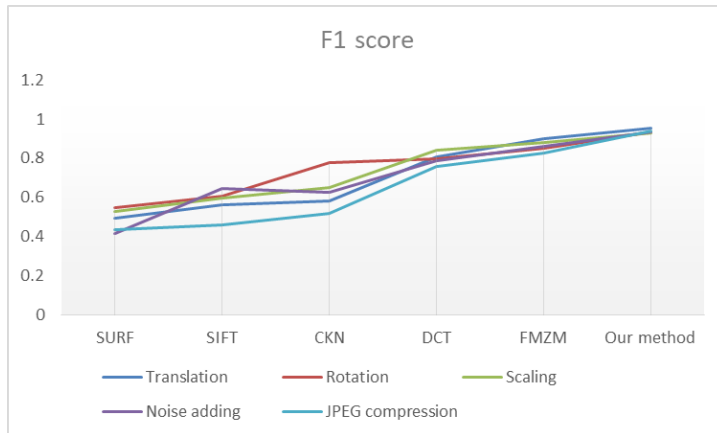
# Problems & Ideas

- Problems of image copy-move forgery passive detection
  - Poor effect of feature extraction
  - Low robustness, low accuracy
- Ideas: A novel copy-move forgery passive detection method
  - Self-selected sub-images, including image processing techniques such as contour detection, can quickly obtain suspected forgery sub-images.
  - Improved PCNN can extract waveform features with high robustness from suspected sub-images.



# Main Contributions

- **Robustness F1 score**



- **Overall performance F1 score**

