

## Core Value

### 1 Ensure Research Rigor

Pre-screen submissions to significantly reduce misconduct risks.

### 2 Protect Institutional Reputation

Prevent costly allegations of research misconduct.

### 3 Accelerate the Publication Process

Automated checks dramatically enhance review efficiency.



<https://www.imachek.com/>



## Key Features

### 1 Smart Cropping

AI automatically isolates images from documents, no manual work needed.

### 2 AI Detection Engine

Precisely identifies image manipulation and duplication.

### 3 Private Repository

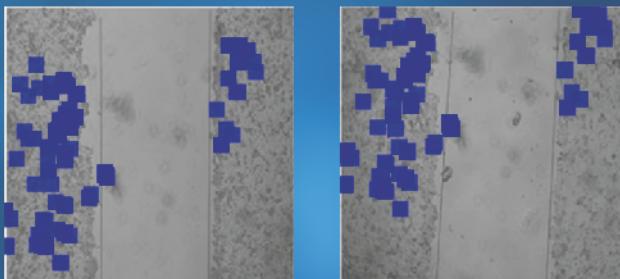
Build a dedicated image repository for continuous integrity monitoring.

# Your Guardian for Research Integrity



ImaChek is an AI-powered image detection tool designed for academic research. It automatically detects tampering and improper reuse of images within a manuscript.

## Full / Partial Overlap

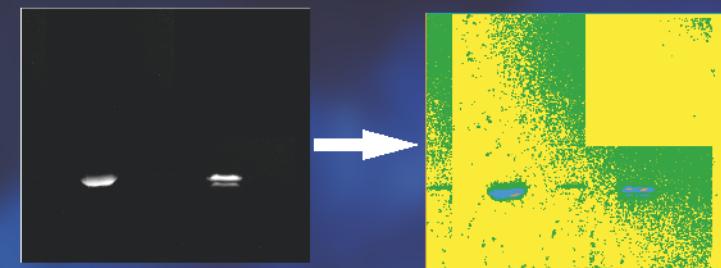


Artif Cells Nanomed Biotechnol. 2020

## Advanced Image Detection

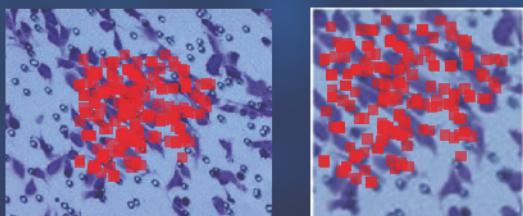
- 1 Marking similar areas via feature points.
- 2 Automatically overlapping similar image areas.
- 3 Using filters to highlight image manipulation.

## Image Processing Filters



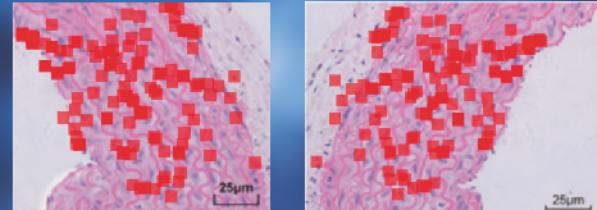
PLoS One. 2013

## Scale / Stretch



BMC Complement Altern Med. 2016

## Flip



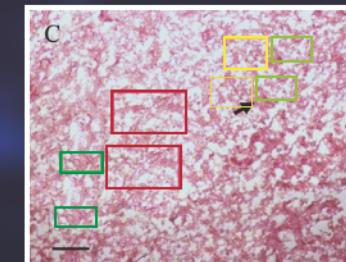
Nanoscale Res Lett. 2020

## Rotation



Artif Cells Nanomed Biotechnol. 2021

## Within Image



PLoS Negl Trop Dis. 2018