





## **Diagnosing Similarity: Testing for Unoriginal Research in the field of Medicine**

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# Agenda

1. Some of the Challenges facing Medical Research / Publishing
2. Why should we worry about Plagiarism / Unoriginal Research?
3. How can iThenticate help tackle these challenges?
4. Who uses iThenticate?
5. What is the difference between iThenticate and Crossref Similarity Check (CSC)?
6. What do some of our users think about the CSC service?
7. How are KAMJE using CSC?
8. Other iThenticate use cases in Korea
9. Questions & Answers / Demo



# Challenges facing Medical Research / Publishing



# Challenges facing Medical Research / Publishing

- Ensuring the quality of PhD candidates and their theses
- Distributing Grants/Funding for Research
- Encouraging good academic practice among authors
- Identifying serious cases of academic misconduct:
  - Plagiarism
  - Fabrication/Falsification
  - Ghost writing/Selling authorship
- Protecting research outputs/intellectual property after publication
- Improving editorial standards & workflows
- Increasing citations & improving journal rankings/prestige



# Why worry about plagiarism/unoriginal research?



# Why worry about plagiarism/unoriginal research?

1. The students of today are the authors of tomorrow
2. Grants/Funding are a finite resource
3. Poor academic practice can lead to poor quality research
4. Poor research/misconduct can impact on reputations & rankings



# How can iThenticate help tackle these challenges?





# How can iThenticate help tackle these challenges?

iThenticate can provide a holistic solution for the originality checking of academic writing...

A hand holding a magnifying glass over text. The magnifying glass is black and held by a hand on the right side. The text inside the lens is in blue italics.

*From PhD level  
through to  
publication...*

*and beyond!*

# How can iThenticate help tackle these challenges?

- ✓ In universities to check PhD theses
- ✓ In institutions to check research/grant proposals
- ✓ By academic authors to review their draft papers
- ✓ By journal editors to deter/detect plagiarism
- ✓ By publishers to prevent plagiarism/piracy



# Who currently uses iThenticate?



# Promoting Institutional Integrity

## Trusted by Leading Research Institutions



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## Relied upon by Government and Grant Funding Agencies



# Preventing Plagiarism in Published Works

Indispensable to more than 800 Academic Publishers



Springer



IEEE

WILEY



Taylor & Francis Group  
an informa business



# What is Crossref Similarity Check?

1. A bespoke version of iThenticate for Crossref members only
2. Very little difference in the software / User Interface itself
3. CSC participants agree to show full-text sources to each other
4. Bespoke pricing model compared to standard iThenticate



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5. **Requires CSC participants to deposit at least 90% of their DOI-assigned content in the iThenticate database**



# Preventing Plagiarism in Published Works

The iThenticate Database Includes:

**89%**

of the top 100  
impact factor journals <sup>1</sup>

**81%**

of the top 500  
impact factor journals <sup>1</sup>

**78%**

of the top 5,000  
impact factor journals <sup>1</sup>

✔ 60B+ webpages ✔ 50M+ journal articles ✔ 150M+ publication items

<sup>1</sup> Thomson Reuters Journal Citation Report (2013).





# Feedback from our Similarity Check Users

- ◆ 87% of respondents had been using CSC for >1 year
- ◆ Majority of respondents used CSC on a daily/weekly basis
- ◆ 52% review every report generated, while 37% only reviewed reports when the score exceeded a certain threshold percentage
- ◆ 82% of respondents informed authors that their work will be checked with CSC, while the rest did not



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- ◆ 82% of respondents informed authors that their work will be checked with CSC, while the rest did not
- ✓ **92% found that CSC helped them identify plagiarism cases**
- ✓ **37% of respondents saw a noticeable reduction in potential plagiarism cases**
- ✓ **88% of respondents were ‘satisfied’, ‘very satisfied’ or ‘extremely satisfied’ with the CSC service overall**



# How are KAMJE using Crossref Similarity Check?



# How are KAMJE using Crossref Similarity Check?

An opportunity to hear from your peers...

- On how they have implemented CSC into their workflows
- Hints/tips/best practice they would like to share
- What benefits they have seen since adopting the service, etc.



# Other iThenticate users in Korea

No.	기관명	No.	기관명
1	한국철도기술연구원	20	부산대학교 병원
2	한국기계연구원	21	가톨릭관동대 국제성모병원
3	한국에너지기술연구원	22	국민건강보험공단 일산병원
4	한국과학기술연구원	23	국가핵융합연구소
5	한양대학교	24	울산과학기술대학교(UNIST)
6	한국에너지경제연구원	25	해양과학기술원
7	서울대학교 병원	26	한국과학기술정보연구원(KISTI)
8	고려대학교 병원	27	선박해양플랜트연구소(KRISO)
9	삼성서울병원	28	질병관리본부의과학지식센터
10	서울아산병원	29	재료연구소(KIMS)
11	강동경희대학교 병원	30	계명대학교 의학도서관
12	건국대학교 병원	31	국립암센터
13	가톨릭대학교 성모병원	32	한국한의학연구원
14	순천향대학교 부천병원	33	한국생산기술연구원
15	대구가톨릭대학교의과대학	34	한국표준과학연구원
16	이화여대목동병원	35	한국전자통신연구원
18.	한국기초과학지원연구원		
19	한국유네스코위원회		



# Feedback from other iThenticate Users

## 1. 기관 운영 사례

### 1) Institution A

- 모든 SCI / SCIE급 논문 작성 후 도서관에 제출하면 도서관 담당자를 통해 일괄 유사도 검사 후 수정이 필요한 논문에 대해 연구자에게 직접 피드백 전달
- 반복적인 자기 표절이 확인될 경우 연구원 평가에 반영 함
- 정기적인 연구 윤리 교육을 통해 올바른 논문 작성에 대한 정보 제공

### 2) Institution B

- 모든 SCI / SCIE급 논문 작성 후 반드시 iThenticate를 통해 자가 유사도 검사 진행하여 혹시라도 있을 수 있는 표절 문제를 미연에 방지하고 있음
- 정기적인 연구 윤리 교육을 통해 올바른 논문 작성에 대한 정보 제공



# Feedback from other iThenticate Users

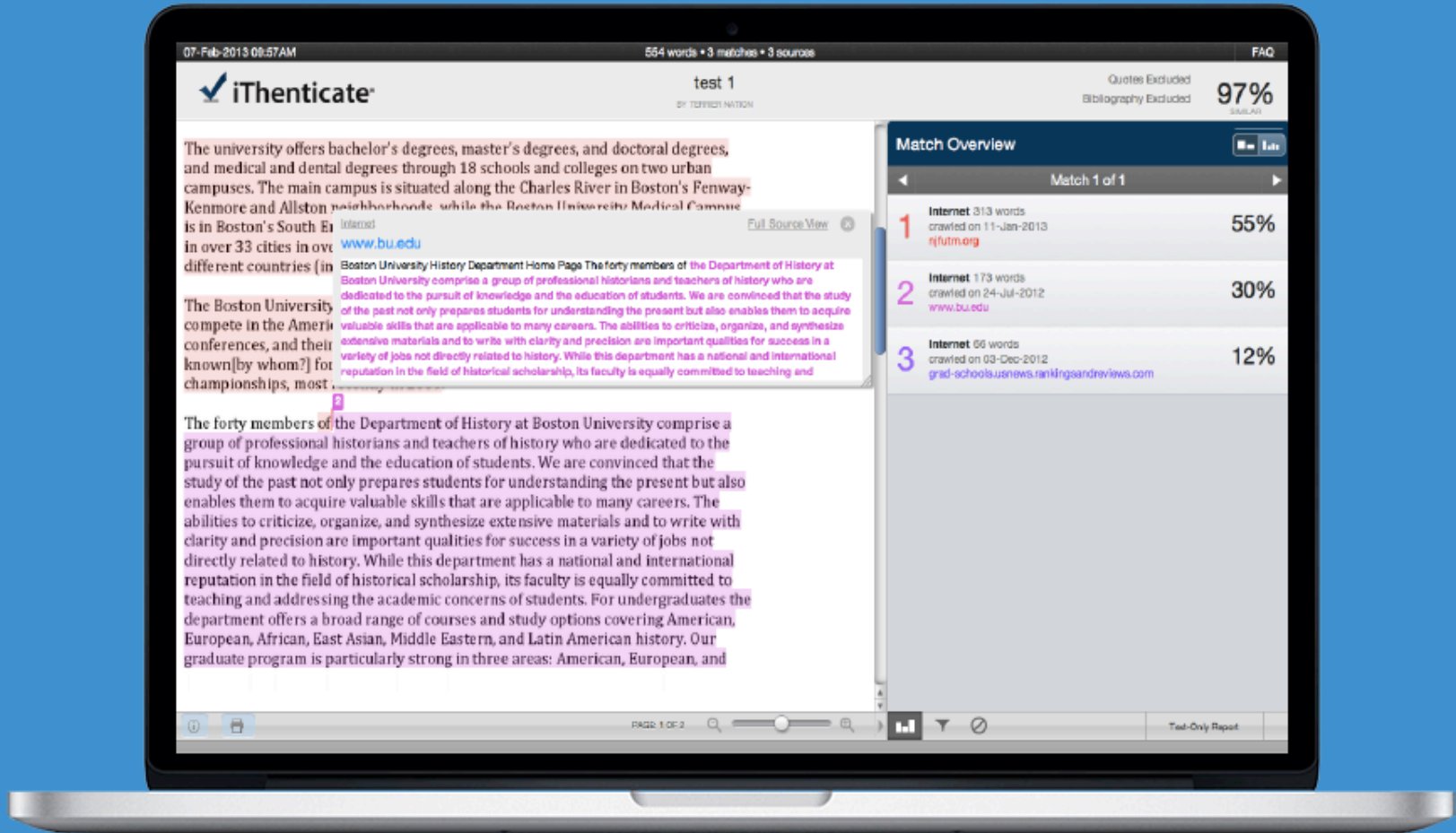
## 2. 기관 이용 사례

### \* Institution C

- iThenticate 관리 담당자 배정 후 연구자 대상 자체적으로 정기적인 이용 교육 진행
- iThenticate을 단순히 논문 유사도 검사 목적이 아닌 연구 초,중기 / 최종 단계의 목적에 맞게 이용할 수 있도록 안내
  - \* 초,중기 : 개요작성, 중복연구 분야 확인, 초고 작성 및 수정, 최신이슈에 대한 검색, 원출처 추적용 (tracking)
  - \* 최종 단계 : 논문 투고 전 마지막 검증 차
- 주체 분야에 따라 차이는 있으나 출판사 별 대략적인 유사도 수치 평가 기준 안내



# Preventing Plagiarism in Published Works





# Thank You