

Plagiarism detection during submission in three Croatian biomedical journals

Ksenija Baždarić

Authors:

Bazdaric K, Šupak-Smolčić V, Salarić I, Gajovic S, Šimundić AM, Brkić H, Bilic-Zulle L, Petrovečki M (†).*

** Department of Medical Informatics, Rijeka University Faculty of Medicine
European Science Editing, Chief Editor
Croatian Medical Journal, Research Integrity Editor*

CrossRef Similarity Check

20-Apr-2016 11:03AM 1875 words • 83 matches • 36 sources

iThenticate® CMJ_2140.doc

Quotes Included 68%
Bibliography Included SIMILAR

no statistically important differences in vitamin D deficiency and insufficiency between girl and boy children. However, the vitamin D deficiency prevalence were significantly higher in girls than in boys, when was analyzed in the 11-15 age group (girl 43%, boy 13%, p=0.006) (Table 1).

1 Discussion

The present study is the first one to investigate vitamin D status among the pediatric population in Zonguldak, Turkey.

Recent studies on vitamin D status in children have suggested that vitamin D deficiency is prevalent in Turkey (Table 2). Few studies in our country, prevalence of Vitamin D deficiency were investigated both younger and adolescent same time (7, 9, 11). Therefore, in this study, prevalence of Vitamin D deficiency was analyzed both 5-10 age group and 11-15 age group in children. We found that the plasma 25[OH]D levels decreased when the children became older, and the prevalence of vitamin D deficiency increased at the same time. This is

Match Overview

Rank	Source	Words	Percentage
1	Internet	138 words crawled on 15-Apr-2013 www.biomedcentral.com	7%
2	Internet	109 words crawled on 18-Feb-2016 ijponline.biomedcentral.com	6%
3	Internet	107 words crawled on 28-Jul-2014 pediatrics.aappublications.org	6%
4	CrossCheck	99 words Alkim Oden Akman, "Frequency of vitamin D insufficiency in healthy children between 1 and 16 years of age in Tr ..."	5%
5	Internet	91 words crawled on 08-Oct-2015 www.ncbi.nlm.nih.gov	5%
6	CrossCheck	84 words Guan-Yu Liang, "Optimal level of 25-(OH)D in children in Nanjing (32°N Lat) during winter : Optimal vitamin D leve"	4%
7	Internet	69 words crawled on 25-Jul-2014 jcpe.org	4%

https://app.ithenticate.com/en_us/report/22393409/similar...db3237aef59b0bbdde0c4a189471f57567eab1393de72889306bbfc5 DF 7

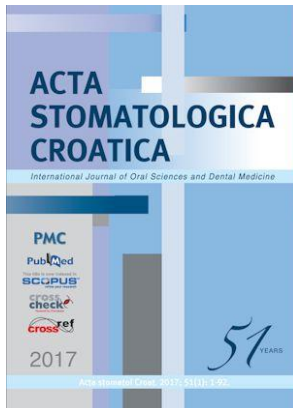
Text-Only Report

Prevalence of plagiarism in scholarly journals

Authors (publication)	Journal, manuscripts	Prevalence/ Treshold	Method of detection
Zhang (Learn Publ, 2010)	Journal of Zhejiang University Science (2008-2009); N=662	23% OSI 40-50%	Manual verification
Bazdaric et al (Sci Eng Ethics, 2012)	Croatian Medical Journal (2009-2010); N=754	11% OSI ND	>10% similarity in one source Manual verification
Higgins, Lin, Evans (RIPR; 2016)	Genetics in Medicine (2013-2014); N=400	17% OSI 15%	80 % in a sentece Methods excluded Manual verification
Taylor (AJR, 2017)	American Journal of Roentgenology (2014) N=110 (10% sample)	11% OSI 12%	Manual verification

AIM

- to detect textual similarity in manuscripts submitted for publication in three biomedical Croatian journals and to establish the threshold of plagiarism.



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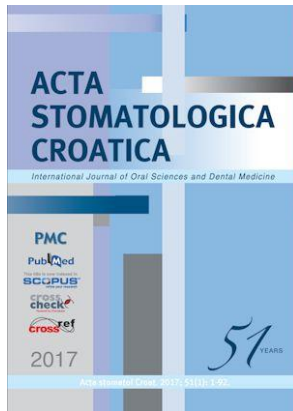
IF: 3.05



IF: 1.48

Methods

- All manuscripts submitted from June to December 2015. BM and CMJ have research integrity editor.
- The type of article, country of first author, overall similarity score (OSI), citing, plagiarism and type of plagiarism



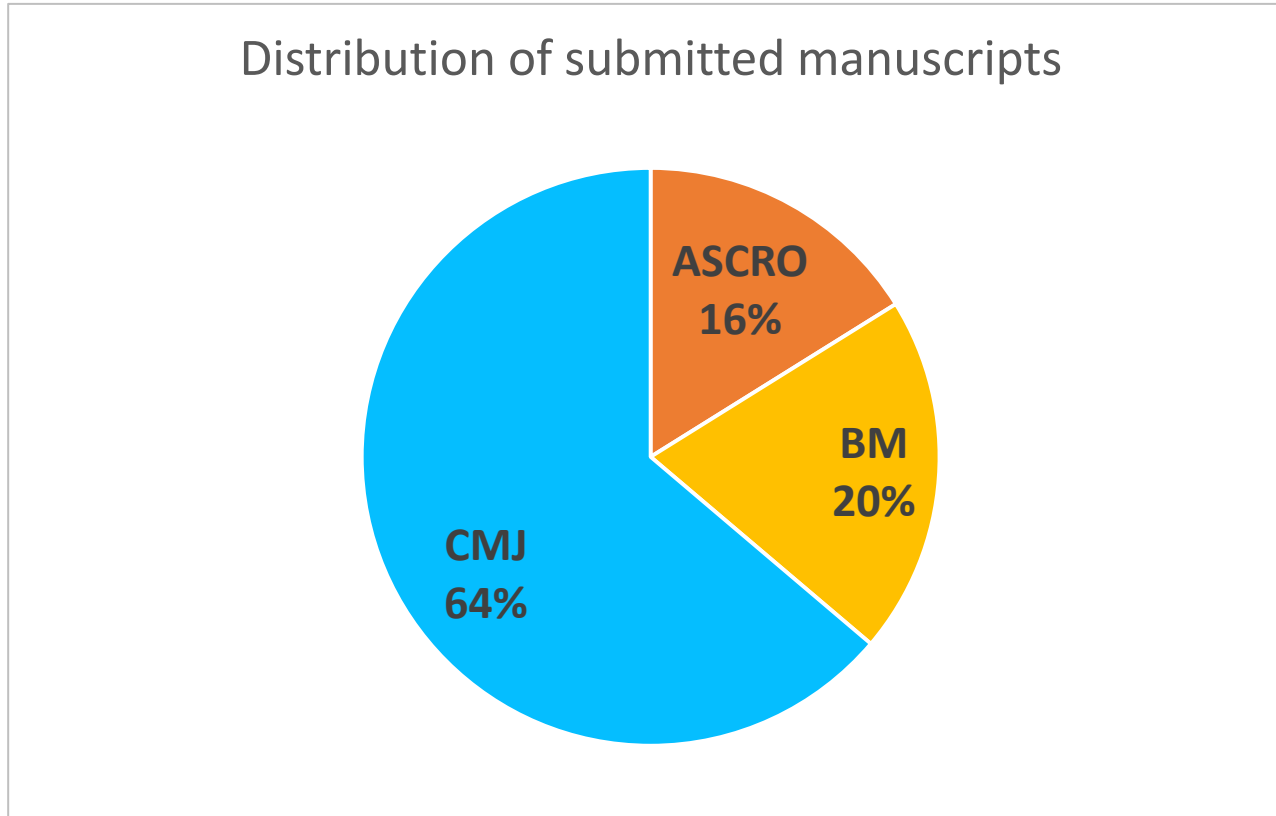
Criteria: OSI: 25% & MV

OSI: 10% & MV

MV

Results

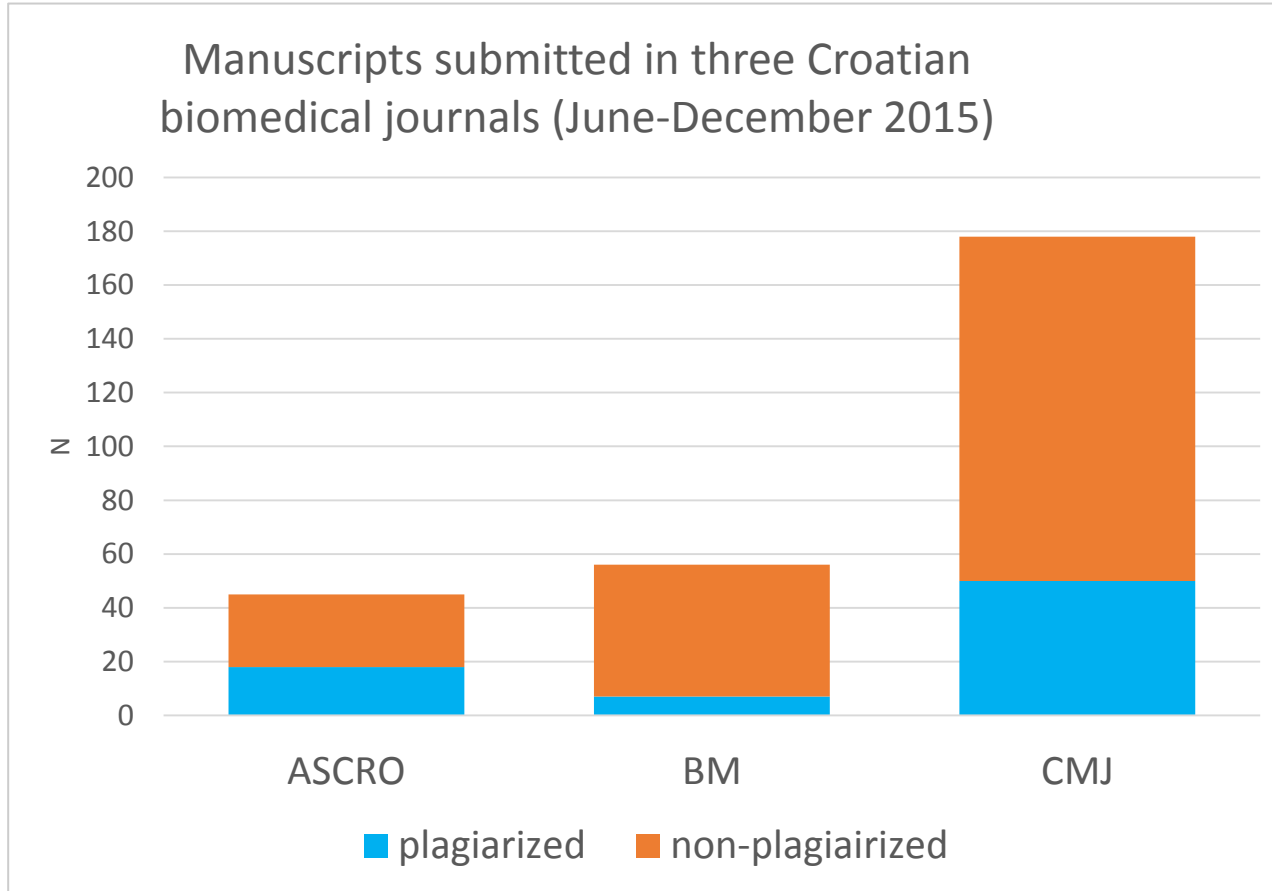
Submitted manuscripts (N=279)



Type: original articles [201(72%)], case-reports [34(12%)] & others [44(16%)]

Country: Croatia [49(18%)], Turkey [45(16%)], China [37(13%)], Iran [15(5%)], BIH [14(5%)] & others [119(43%)].

Results



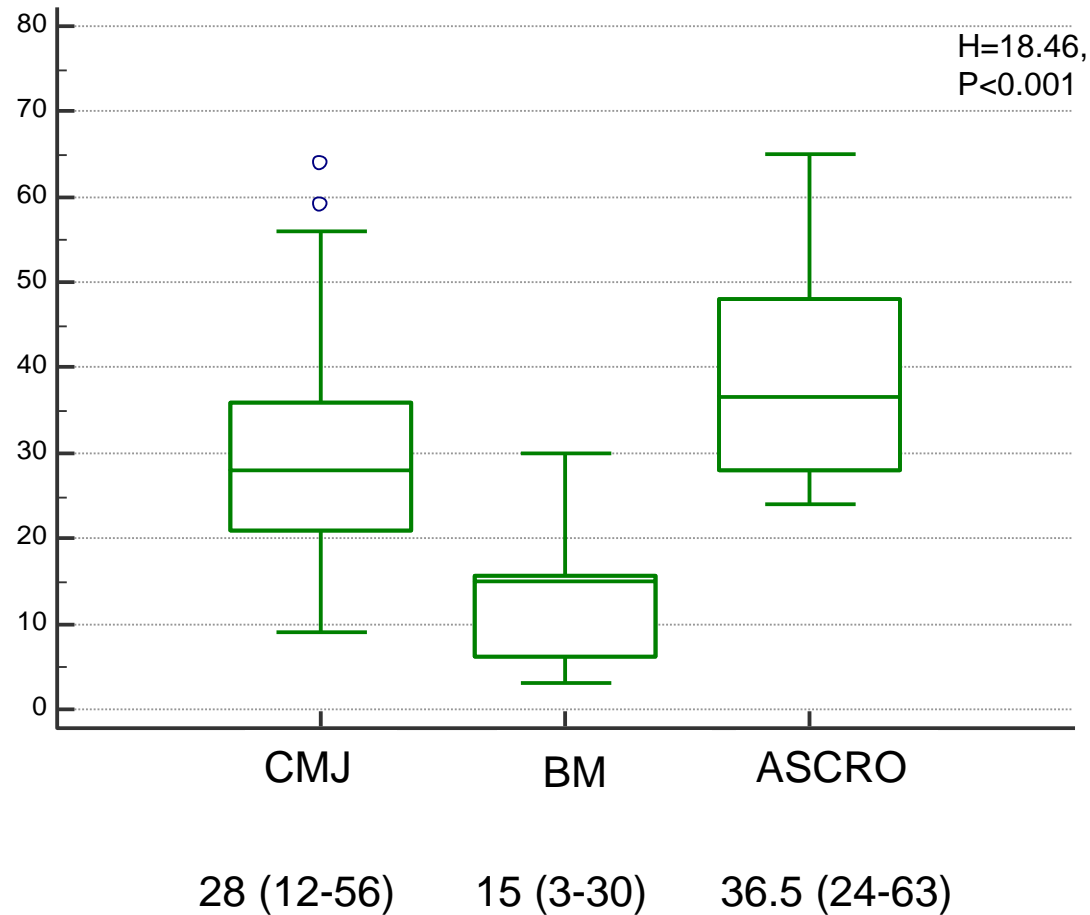
plagiarized 18(40%)

7(13%)

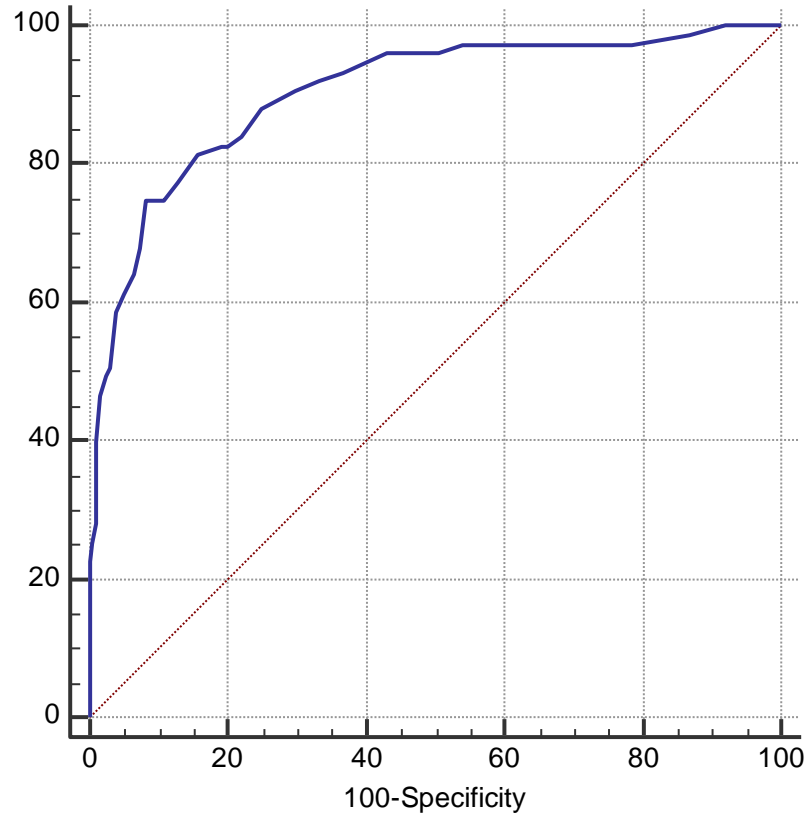
50(28%)

- Out of 279, **75 (27%)** manuscripts contained plagiarism → **11(14%) SP**
- patchwork plagiarized [56(74%)] out of 75
- Mostly partially cited [52(69%)] out of 75
-

Text similarity rate (OSI) in plagiarized manuscripts



Threshold value



The threshold value of
overall similarity was
14%

sensitivity 91 (CI 82-96)

specificity 70 (CI 63-76)

AUC (C.I. 0.86-0.93)

P<0.001

Conclusion

- The detected prevalence of plagiarism in submitted manuscripts (27%) is 22 times greater than rates of committed plagiarism in non-self reports in a recent systematic review of plagiarism.
- The recommended threshold for screening with Similarity Check is overall text similarity value of 14% which afterwards require manual verification by the editor.

