



ISSN: 2148-9696

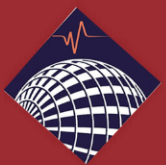
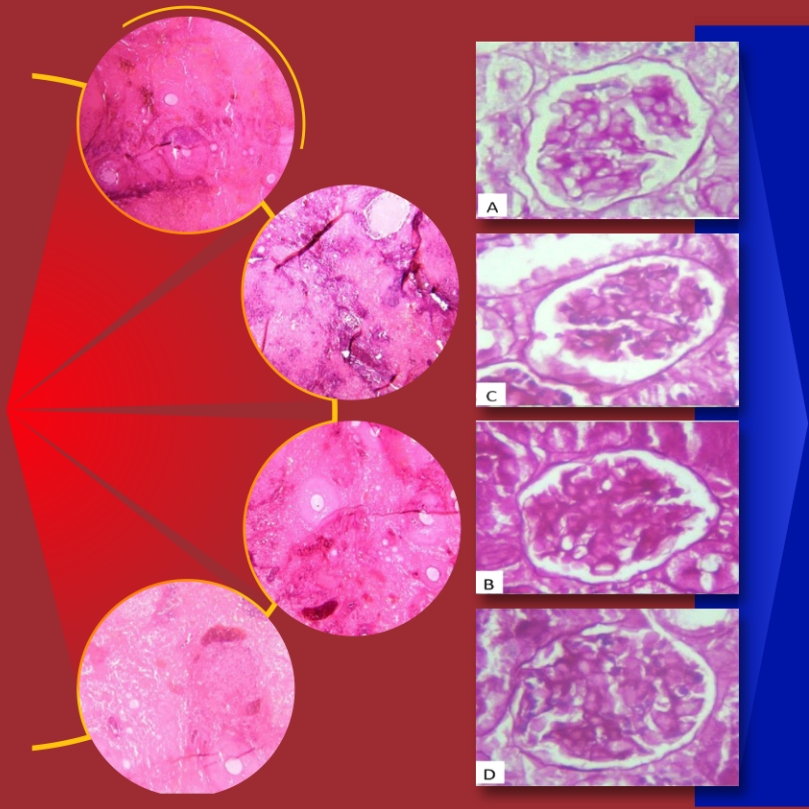
Index in
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CRESCENT JOURNAL OF Medical and Biological Sciences

www.cjmb.org

Publisher: Aras Part Medical International Press.



Publisher:
Aras Part Medical
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Vol. 6, No. 4, October 2019



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A large amount of periodicals, having great contributions Medical and Biological sciences, in basic and medical clinical sciences, mainly including science and illuminating the results of valuable studies on medical sciences has being published in world since a long period of time.

The scientific research becomes valuable when it contributes and promotes our knowledge, and its results are used by other investigators, i.e. when it is cited and included into the international citation indexes.

2- Aim

Reasons for joining of **Crescent Journal of Medical and Biological Sciences** (E-ISSN: 2148-9696) into the above mentioned fields could not be easily denied by investigators. The aim of the journal is not only to be a good journal but is to publish such a journal that could be accepted as a good periodical by international judges, that revised our papers published in international journals, **presented** at international meetings and thus to reach international levels. If we will not plan sufficiently high goals, the power, respect and breath of this journal will show so low performance. The goal should be as sacred as the greatness of the aim. The main aim is to keep a balance between the number of published and cited papers. It is necessary to start with joining Iranian index and to familiarize it with Iranian medical scientists. At the same time to get a considerable place among **international** periodicals on medical and biological sciences.

This journal is an open access, peer-reviewed scientific research journal that provides rapid publication of articles in all fields of medical and biological science on the basis of its originality, importance, interdisciplinary interest, timeliness, accessibility, elegance and surprising conclusions. Hence, it offers an exceptionally fast publication schedule including prompt peer-review by the experts in the field and immediate publication upon acceptance. The editorial boards' aims at reviewing the submitted articles as fast as possible and promptly include them in the forthcoming issues. Crescent Journal of Medical and Biological Sciences is published 4 times per year on January, April, July, October in each season first month and its publication language is English. This journal is licensed under a Creative Commons Attribution License 4.0 (CC-BY). CJMB supports the Open Access initiative. Abstracts and full texts (PDF format) of all articles published by cjmb are freely accessible to everyone immediately upon publication. This journal is licensed under a Creative Commons Attribution License. We are member of the ICMJE and follow the Uniform Requirements for Manuscripts Submitted to Biomedical Journals, issued by International Committee for Medical Journal Editors (ICMJE), as well as the Committee on Publication Ethics (COPE) code of conduct for editors.

3- Content of the journal



All kind of knowledge contributing to the development of science by its content, value, level and originality will be comprised Crescent Journal of Medical and Biological Sciences. Problems of public health and their solutions are at the head of the windows opening us to the world .

The journal by its content should assist in communication of physicians and researchers. All questions concerning scientific level, though more administrative, problems as staff queries, intentions and decisions of the Ministry of Public Health should be opened to discussion in narrow frame.

Post and pre-graduate education should get out of ranges of tool-equipment promotion of firms and take valuable place in the content of the journal. The considerable part should be constituted in way of summary of post-graduate courses and works evaluating developments in medical education. The "**Crescent Journal of Medical and Biological Sciences**" is a modern forum for scientific communication. Data and information, useful to investigators in any discipline in medical and biological sciences, in basic and medical clinical sciences. Will be published after they have been peer reviewed. This will also include reviews and multidisciplinary research.

4- Functioning of the Journal

The first issue of the journal will be released in Winter 2014, probably in January. If one will examine attentively the aim of the journal it could be thought to be hasty.

The more information is available in The Peer-Review System, Policy and Confidentiality page (<http://www.cjmb.org/Policies>) and Instruction to author's page (<http://www.cjmb.org/ForAuthors>).

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5- The secretariat of the journal

The editorial mission of **Crescent Journal of Medical and Biological Sciences** is undertaken by Prof. Dr. Arash Khaki Member of the Women's Reproductive Health Research Center of Tabriz University of Medical Sciences, Iran (<http://wrhrc-en.tbzmed.ac.ir/>). The publishing of the journal is undertaken by (Encino, CA ,office : Aras Part Medical international Press ,USA).

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Manuscripts should be prepared in accordance with the "Uniform Requirements for Manuscripts Submission to Biomedical Journals" proclaimed by the International Committee of Medical Journal Editors (<http://www.icmje.org/>)

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1. Algar WR, Krull UJ. Toward a multiplexed solid-phase nucleic acid hybridization assay using quantum dots as donors in fluorescence resonance energy transfer. *Anal Chem* 2009; 81: 4113-20. doi: 10.1021/ac900421p
2. Ansary MM, Ishihara S, Oka A, Kusunoki R, Oshima N, Yuki T, et al. Apoptotic Cells Ameliorate Chronic Intestinal Inflammation by Enhancing Regulatory B-cell Function. *Inflamm Bowel Dis* 2014. doi: 10.1097/mib.0000000000000240
3. Bagalkot V, Zhang L, Levy-Nissenbaum E, Jon S, Kantoff PW, Langer R, et al. Quantum dot-apptamer conjugates for synchronous cancer imaging, therapy, and sensing of drug delivery based on bi-fluorescence resonance energy transfer. *Nano Lett* 2007; 7: 3065-70. doi: 10.1021/nl071546n
4. Bailey VJ, Easwaran H, Zhang Y, Griffiths E, Belinsky SA, Herman JG, et al. MS-qFRET: a quantum dot-based method for analysis of DNA methylation. *Genome Res* 2009; 19: 1455-61. doi: 10.1101/gr.088831.108

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Editorial

Open Submissions	Indexed	Peer Reviewed
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Original Article(s)

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Short Communication(s)

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