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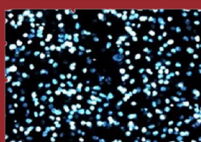
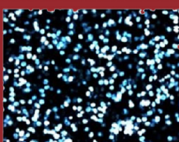
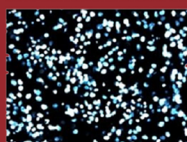
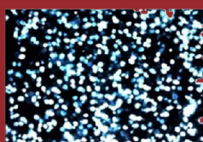
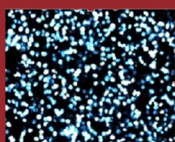
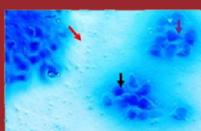
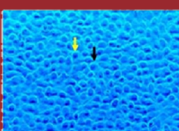
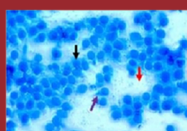
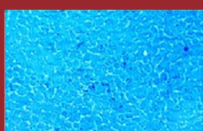
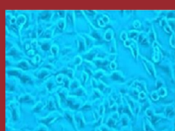
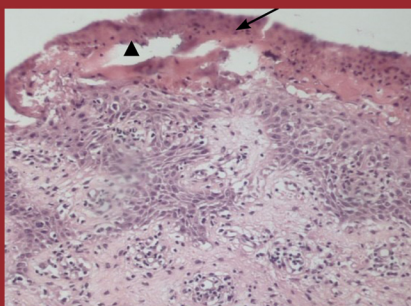
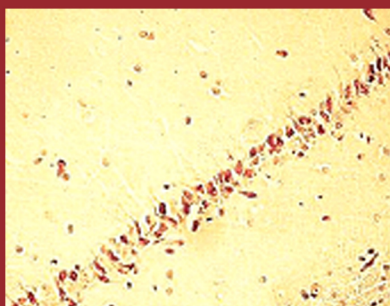
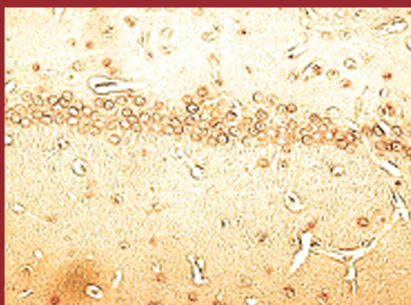
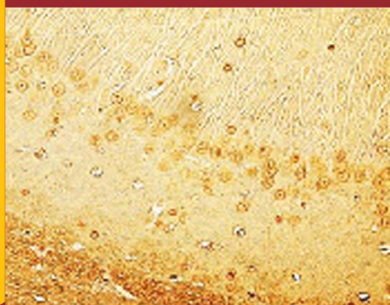


# CRESCENT JOURNAL OF Medical and Biological Sciences

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### **1- Reasons for publication of Crescent Journal of Medical and Biological Sciences**

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'





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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.

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### **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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Manuscripts will be considered for publication in the form of original articles, Case report, short communications, Letter to editor and review articles. The work should be original or a thorough by an authoritative person in a pertinent field.

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**10.** Tables in limited numbers should be self- explanatory, clearly arranged, and supplemental to the text. The captions should be placed above.

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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-aptamer 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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- 4) Conclusions: Clearly state the conclusions to answer the questions posed if applicable, basing the conclusions on available evidence, and emphasize how clinicians should apply current knowledge.

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A case report is a case study, case report, or other description of a case that should contain 1500 - 2000 words with a structured abstract of 200 words maximum. Case reports should comprise sections of Introduction, Case Presentation, and Conclusions in Abstract and Introduction, Case Presentation, and Discussion in full text with not more than 2 tables or figures and up to 20 references.

### **Brief Report :**

Brief Reports should contain 1000 - 2000 words with a structured abstract of 200 words maximum. Short reports should comprise sections of Background, Objectives, Materials & Methods, Results and Discussion with not more than 2 tables or figures and up to 20 references.



### **Short Communication:**

Short Communication, follow the instructions for original articles, except that the total word number of the main text (excluding references, tables and figure legends) is limited to 2000 with no more than 2 figures and/or tables and no more than 15 references. An abstract, not exceeding 150 words, should be presented at the beginning of the article.

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## Section Policies

### *Editorial*

Open Submissions	Indexed	Peer Reviewed
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### *Original Article(s)*

Open Submissions	Indexed	Peer Reviewed
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### *Short Communication(s)*

Open Submissions	Indexed	Peer Reviewed
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### *Review Article(s)*

Open Submissions	Indexed	Peer Reviewed
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### *Case Report(s)*

Open Submissions	Indexed	Peer Reviewed
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### *Letter to Editor*

Open		Peer
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Managing editor receives the reviewers' comments and sends them along with decision letter to corresponding author. Final decision on each manuscript will be made by the assigned editor of the manuscript. As *CJMB* is a rapid response journal, so this process takes not more than three weeks. Decision letter determines the status of manuscript in five ways:

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4. Rejection: In most cases, methodological and scientific concerns are the main origins of rejection. Causes of rejection will be sent to the authors to provide more chance for them for publication in other journals.

5. Withdraw: if the manuscript does not meet the scopes of CJMB , it will be withdrawn with suggestion to be sent to another journal.



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**Arash Khaki (DVM, PhD)**

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**Tel: + 447937197844**

**+98-9143138399**

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