A medium to disseminate novel experimental and theoretical research results in the field of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, biocomputing, D2H2, and other health related areas.

Call for Papers

SPECIAL ISSUE ON

“Neuroimaging Techniques in Brain Injury”

In the present medical era, Traumatic Brain Injury (TBI) has been realized as a severe critical health concern to the human community that leads to several minor functional difficulties in the brain. In General, untreated brain injuries result in diverse mental health effects, which include mental disorders, memory loss, and functional impairment. In the treatment of brain injury, the clinical neuroimaging techniques form a vital role in analyzing the structural and functional effects of the brain. The neuroimaging techniques measure and monitor the associated cerebral conditions of the brain based on image modelling. The diagnosis and relevant assessment conceptualization of neuroimaging techniques act as a support factor for the treatment of brain injury in an optimized way.

Computed tomography remains the tool of choice for the initial examinations of acute head injury in neuroimaging since it is simple, readily accessible, and extremely effective in the diagnosis of skull fractures and acute intracranial haemorrhage. Further, in neuroimaging, the magnetic resonance imaging is prescribed where clinical results are not clarified by computed tomography for patients with severe traumatic brain injury. In the neuroimaging technique, magnetic resonance imaging is the type of choice for treating sub-acute or persistent traumatic brain damage. The present challenges in neuroimaging appear to be hard to detect minor traumatic brain injuries. The detection of traumatic brain damage, particularly in the case of moderate brain trauma, may be improved by advanced neuroimaging technique, which includes magnetic resonance techniques, diffusion-weighted imagery, magnetic resonance spectroscopy, and magnetized imagery transition to resolve such challenges effectively. Several revolutionary advancements are needed in the current neuroimaging techniques to make it more potential and practical for clinical usage. The lack of prevalence and awareness about the improvements in neuroimaging techniques required innovative solutions for brain injury research. Therefore, Further, optimization in advanced neuroimaging methods such as magnetic source, single-photon emission tomography, and positron are necessary to address brain injury for futuristic needs that have been focused on this call for proposal.
This special issue invites innovative techniques, computational modelling, and algorithms to develop the functionalities of various neuroimaging techniques in the investigation of traumatic brain injuries. Topics include, but are not limited to:

- Neuroimaging techniques for the Diagnosis and Detection of Traumatic Brain Injuries.
- Computational tools in neuroimaging techniques for detecting brain injuries.
- Big data Assisted Image Acquisition in Neuroimaging Techniques for Brain Injury Diagnosis.
- Magnetic resonance and diffusion-weighted imagery neuroimaging techniques for detecting brain injuries.
- Magnetized imagery transition neuroimaging techniques for detecting brain injuries.
- An Innovative Approach for Examining Psychiatric conditions due to brain injuries using Neuroimaging Techniques.
- Artificial Intelligence assisted Neuroimaging Techniques for traumatic Brain Injury Analysis.
- Deep learning assisted Advanced Neuroimaging Techniques for traumatic Brain Injury Analysis.

READ THIS NOTE BEFORE SUBMISSION:
Authors are encouraged to discuss with a guest editor to determine the suitability of their intended submissions. Before submission authors should carefully read over the journal’s Author Guidelines, which are located at [http://www.aspbs.com/jmihi/inst-auth_jmihi.htm](http://www.aspbs.com/jmihi/inst-auth_jmihi.htm). Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at [http://mstracker.com/submit1.php?jc=jmihi](http://mstracker.com/submit1.php?jc=jmihi), according to the following timetable:

Original, high-quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Papers will be peer-reviewed by independent reviewers and selected based on originality, scientific quality, and relevance to this Special Issue. The journal editors will make final decisions about the acceptance of the papers.

Note: The publisher has implemented with immediate effect that all papers submission must provide its respective plagiarism report on the value of similarity index (to be less than 12%): without this, no papers will be processed.

**Important Dates:**

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<th>Paper Submission Deadline</th>
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<td>Author Notification</td>
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<td>Revised Papers Submission</td>
<td>November 19, 2021</td>
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<td>Final Acceptance</td>
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All new manuscripts submitted to this journal will be subjected to a Manuscript Processing Fee. Research article publishing is not without occurring costs and the costs have been steadily increasing. To defray part of the publication cost, the journal will charge manuscript-processing fees, to be paid by the authors or their affiliated research institutions. The publication fee will be used to defray part of the occurring expenses associated with manuscript processing, editorial workflow, typesetting, proofreading, printing, online-hosting, and archiving. Authors or their affiliated research institutions are required to pay US$1080 for their articles for a special issue article from all Countries. The authors will receive the PDF version of their research papers in final form. When submitting a manuscript through online, it will be processed with an understanding that the corresponding authors fully agree to pay all manuscript-processing fees upon acceptance. The author who submits the manuscript to the journal is fully responsible for the manuscript-processing fees. Accepted peer reviewed manuscripts will not be processed and forwarded to production until all fees are paid in full to the publisher. The Publisher will issue an invoice of manuscript processing fees after a manuscript has been accepted for publication. The Corresponding author will be asked to submit a signed Copyright Transfer Agreement (CTA) along with manuscript processing fees.

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*Note: The above text is a natural representation of the content in the image.*
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