

ISSN: 2160-5866 Volume 8, Number 11, November 2018



# Journal of Behavioral and Brain Science



ISSN: 2160-5866



[www.scirp.org/journal/jbbs](http://www.scirp.org/journal/jbbs)

# Journal Editorial Board

ISSN Print: 2160-5866    ISSN Online: 2160-5874

<http://www.scirp.org/journal/jbbs>

---

## Editor-in-Chief

**Prof. Ana Adan**

University of Barcelona, Spain

## Editorial Board

**Prof. Jafri Malin Abdullah**

University Sains Malaysia, Malaysia

**Prof. Gjurmakch Aliev**

University of Atlanta, USA

**Dr. Raymond Chuen-Chung Chang**

University of Hong Kong, China

**Dr. Alexandre Croquelois**

University of Lausanne, Switzerland

**Dr. Manoj P. Dandekar**

The University of Texas Health Science Center at Houston, USA

**Dr. Valentina Echeverria**

Bay Pines Veterans Affairs Healthcare System, USA

**Dr. Cheng-Xin Gong**

New York State Institute for Basic Research in Developmental Disabilities, USA

**Prof. Maria Paz Loayza Hidalgo**

Universidade Federal do Rio Grande do Sul, Brazil

**Dr. Chella Kamarajan**

SUNY Downstate Medical Center, USA

**Dr. James J. Levitt**

Brockton VA Medical Center, USA

**Dr. Panchanan Maiti**

Central Michigan University, USA

**Dr. Liana Lins Melo**

Universidade Federal de São Paulo, Brazil

**Dr. Mindy J. D. Miserendino**

Sacred Heart University, USA

**Prof. José Francisco Navarro**

University of Málaga, Spain

**Prof. George Perry**

University of Texas at San Antonio, USA

**Dr. Arcady Putilov**

Research Institute for Molecular Biology and Biophysics, Russia

**Dr. Mohammad Shahnawaz**

University of Texas Health Science Center at Houston, USA

**Prof. Karam F. A. Soliman**

Florida A&M University, USA

**Prof. Makio Takeda**

Kobe University, Japan

**Prof. Wai Kwong Tang**

Shatin Hospital, China

**Dr. M. Afzal Upal**

Defence Research & Development, Canada

**Prof. Xin-Fu Zhou**

University of South Australia, Australia

# Table of Contents

**Volume 8    Number 11**

**November 2018**

**Electroencephalographic Correlates of Sexual Arousal Induced by Sexually-Explicit Reading in Human Females**

M. A. Guevara, C. Gómez-Navarro, C. Amezcua-Gutiérrez, M. Hernández-González, A. Ágmo.....599

**Insomnia Fighting with Red Led Pulsations**

P.-A. Grounauer, B. Métraux.....615

**Functional Neuroanatomy of Time-To-Passage Perception**

Y. Geng, E. M. Sikoglu, H. Hecht, L. M. Vaina.....622

# Journal of Behavioral and Brain Science (JBBS)

## Journal Information

### SUBSCRIPTIONS

The *Journal of Behavioral and Brain Science* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published monthly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### SERVICES

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### COPYRIGHT

#### **Copyright and reuse rights for the front matter of the journal:**

Copyright © 2018 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

#### **Copyright for individual papers of the journal:**

Copyright © 2018 by author(s) and Scientific Research Publishing Inc.

#### **Reuse rights for individual papers:**

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

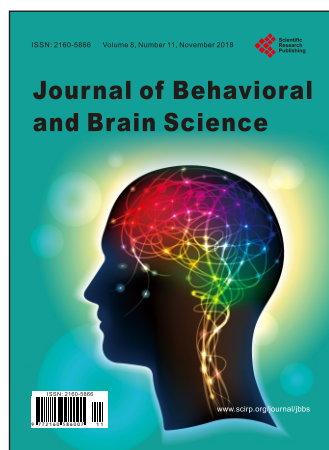
#### **Disclaimer of liability**

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: [jbbs@scirp.org](mailto:jbbs@scirp.org)



## Journal of Behavioral and Brain Science

ISSN: 2160-5866 (Print) ISSN: 2160-5874 (Online)

<http://www.scirp.org/journal/jbbs>

Journal of Behavioral and Brain Science (JBBS) is an international journal dedicated to the latest advancement of behavioural and brain function. Articles dealing with the neuroanatomical and neurochemical basis of behavior are especially welcomed. Multidisciplinary contributions from all fields of the neurosciences are encouraged so long as emphasis is placed in investigating the biological substrates of behavior and of mental processes underlying behavior.

### Editor-in-Chief

**Prof. Ana Adan**

University of Barcelona, Spain

### Editorial Board

Prof. Jafri Malin Abdullah  
Prof. Gjurmakch Aliev  
Dr. Raymond Chuen-Chung Chang  
Dr. Alexandre Croquelois  
Dr. Manoj P. Dandekar  
Dr. Valentina Echeverria  
Dr. Cheng-Xin Gong  
Prof. Maria Paz Loayza Hidalgo

Dr. Chella Kamarajan  
Dr. James J. Levitt  
Dr. Panchanan Maiti  
Dr. Liana Lins Melo  
Dr. Mindy J. D. Miserendino  
Prof. José Francisco Navarro  
Prof. George Perry  
Dr. Arcady Putilov

Dr. Mohammad Shahnawaz  
Prof. Karam F. A. Soliman  
Prof. Makio Takeda  
Prof. Wai Kwong Tang  
Dr. M. Afzal Upal  
Prof. Xin-Fu Zhou

### Subject Coverage

This journal invites original research and review papers that address the following issues in Behavioral and Brain Science. Topics of interest include, but are not limited to:

- Behavioural Science
- Cognitive Neuroscience
- Neurobiology
- Neuroimaging
- Neurology
- Neuropharmacology and Psychopharmacology
- Neurosurgery
- Neurotoxicology
- Psychiatry

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **JBBS**.

### Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. Authors are responsible for having their papers checked for style and grammar prior to submission to JBBS. For more details about the submissions, please access the website.

### Website and E-Mail

<http://www.scirp.org/journal/jbbs>

E-mail: [jbbs@scirp.org](mailto:jbbs@scirp.org)