

ISSN: 2160-5866 Volume 12, Number 4, April 2022



Journal of Behavioral and Brain Science



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

Journal Editorial Board

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

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

Editor-in-Chief

Prof. Sergey Konstantinovich Sudakov P.K. Anokhin Research Institute of Normal Physiology, Russia

Editorial Board

Prof. Manar AlAzzam Princess Salma Faculty of Nursing/Psychiatric Mental Health Nursing Department,
Al al-Bayt University, Jordan

Prof. Gjurmakch Aliev University of Atlanta, USA

Dr. Khalid Wesel Al-Quliti College of Medicine, Taibah University, Saudi Arabia

Dr. Abdoulaye BÂ Université Félix Houphouët-Boigny, Cote d'Ivoire

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

Dr. Giuseppe Iurato Linnaeus University, Vaxjo, Sweden

Dr. Chella Kamarajan SUNY Downstate Medical Center, USA

Dr. Anna Maria Lavezzi "Lino Rossi" Research Center, Italy

Prof. Xu Lei Sleep and NeuroImaging Center, Faculty of Psychology, Southwest University, China

Dr. James J. Levitt Brockton VA Medical Center, USA

Dr. Panchanan Maiti Central Michigan University, USA

Prof. Viktor A. Minkin Elsys Corp, Russia

Dr. Mindy J. D. Miserendino Sacred Heart University, USA

Prof. Esther Perez-Torrero Engineering School, Autonomous University of Querétaro, Mexico

Dr. Arcady Putilov Research Institute for Molecular Biology and Biophysics, Russia

Prof. Djemli Samir Badji Mokhtar University, Algeria

Prof. Pertsov Sergey Sergeevich P.K. Anokhin Institute of Normal Physiology, 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

Dr. Gabriel Salazar Tortolero Head of Neurological Department Hospital de Terrassa, Barcelona, Spain

Dr. M. Afzal Upal Defence Research & Development, Canada

Prof. Gang Yang Zhuji Affiliated Hospital of Shaoxing University, China

Prof. Xin-Fu Zhou University of South Australia, Australia

Prof. Phillip R. Zoladz School of Health and Behavioral Sciences, Ohio Northern University, USA

Table of Contents

Volume 12 Number 4

April 2022

The Impact of Eating Disorders and Self-Disorders on Women’s Behavior in Kuwait

H. Al-Tayyar, N. K. Al-Khalidi 103

**The Inception of Jungian Advanced Motor Processing (JAMP)
—A 21st Century Approach to Treating Trauma**

L. Al-Samarrai 116

Alzheimer’s Disease: A Washing Machine on the Fritz

J. M. Gregory 131

WASO: Why Does It Increase with Age?

J. M. Gregory 164

Journal of Behavioral and Brain Science (JBBS)

Journal Information

SUBSCRIPTIONS

The *Journal of Behavioral and Brain Science* (Online at Scientific Research Publishing, <https://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

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

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

E-mail: sub@scirp.org

COPYRIGHT

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

Copyright © 2022 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 © 2022 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

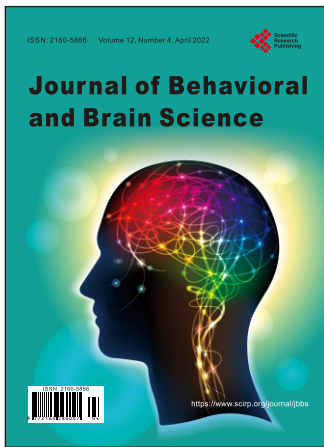
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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

Call for Papers



Journal of Behavioral and Brain Science

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

<https://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. Sergey Konstantinovich Sudakov

P.K. Anokhin Research Institute of Normal
Physiology, Russia

Editorial Board

Prof. Gjumrakch Aliev
Dr. Raymond Chuen-Chung Chang
Dr. Alexandre Croquelois
Dr. Manoj P. Dandekar
Dr. Valentina Echeverria
Dr. Cheng-Xin Gong
Dr. Giuseppe Iurato
Dr. Chella Kamarajan
Dr. Anna Maria Lavezzi

Prof. Xu Lei
Dr. James J. Levitt
Dr. Panchanan Maiti
Prof. Viktor A. Minkin
Dr. Mindy J. D. Miserendino
Prof. Esther Perez-Torrero
Dr. Arcady Putilov
Prof. Djemli Samir
Prof. Pertsov Sergey Sergeevich

Dr. Mohammad Shahnawaz
Prof. Karam F. A. Soliman
Prof. Makio Takeda
Dr. Gabriel Salazar Tortolero
Dr. M. Afzal Upal
Prof. Gang Yang
Prof. Xin-Fu Zhou
Prof. Phillip R. Zoladz

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

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

E-mail: jbbs@scirp.org