

αp

# alpha Psychiatry

*Formerly Anatolian Journal of Psychiatry*


Volume 25  
Issue 6  
2024

AVES

[alpha-psychiatry.com](http://alpha-psychiatry.com)

EISSN 2757-8038

### Editors in Chief

**Francesco Bartoli** , MD, PhD

Department of Medicine and Surgery, University of Milano Bicocca, Monza, Italy  
francesco.bartoli@unimib.it

**Wei Zheng** , MD, PhD

Department of Psychiatry, the Affiliated Brain Hospital of Guangzhou Medical University, Guangzhou, China  
zhengwei0702@163.com

### Associate Editor

**Wai Tong Chien** , PhD

Nethersole School of Nursing, The Chinese University of Hong Kong Faculty of Medicine, Hong Kong, China  
wtchien@cuhk.edu.hk

### Editorial Board

**Mohammad Ahmadpanah** , PhD

Department of Psychiatry, Hamadan University of Medical Sciences, Hamadan, Iran

**Köksal Alptekin** , MD

Department of Psychiatry, Dokuz Eylül University School of Medicine, İzmir, Turkey

**Stefano Barlati** , MD

Department of Clinical and Experimental Sciences, University of Brescia, Brescia, Italy

**Diane B. Boivin**, MD, PhD

Department of Psychiatry, McGill University, Montreal, Canada

**Michel Bourin**, MD

Department of Pharmacology, University of Nantes, Nantes, France

**Dong-Bin Cai**, MD

Department of Neuropsychiatry, Shenzhen Traditional Chinese Medicine Hospital, Guangdong, China

**Domenico De Berardis** , MD, PhD

Department of Mental Health, Psychiatric Service of Diagnosis and Treatment, "G. Mazzini" Hospital, Teramo, Italy

**John F. Gottlieb** , MD

Department of Psychiatry and Behavioral Sciences, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA

**Renato de Filippis**, MD, PhD

Department of Health Sciences, University Magna Graecia of Catanzaro, Catanzaro, Italy

**Ng Chong Guan** , MD, PhD


Department of Psychological Medicine, University of Malaya Faculty of Medicine, Kuala Lumpur, Malaysia

**Sinan Gülöksüz** , MD, PhD

Department of Psychiatry and Neuropsychology, Maastricht University Medical Center, Maastricht, Netherlands

**Toshiya Inada**, MD, PhD

Department of Psychiatry, Nagoya University Graduate School of Medicine, Nagoya, Japan

**Ki Woong Kim** , MD, PhD

Department of Psychiatry and Behavioral Science, Seoul National University College of Medicine Seoul, Korea

**Hans M. Koot** , PhD

Department of of Clinical, Neuro and Developmental Psychology, Vrije Universiteit Amsterdam, Amsterdam, Netherlands

**Hsien-Yuan Lane** , MD, PhD

Graduate Institute of Biomedical Sciences, College of Medicine, China Medial University (CMU), Taichung, Taiwan

**Geraldine Leader** , PhD

School of Psychology, University of Galway, Galway, Ireland

**Jerzy Leszek** , MD, PhD

Department of Psychiatry, Medical University in Wroclaw, Poland

**Chaomeng Liu**, MD, PhD

Beijing Anding Hospital, Capital Medical University, Beijing, China



**General Manager**  
Ali ŞAHİN

**Journal Managers**  
Deniz KAYA  
Irmak BERBEROĞLU

**Publications Coordinators**  
Derya AZER  
Nisanur ATICI  
Şeref Mert GÜCÜN  
Lütfiye ÇETİN  
Arzu ARI

**Publication Technologies**  
**Coordinator**  
Ayça Nur SEZEN

**Project Assistants**  
Ozan ŞAHİN


**Contact**

Address: Büyükdere Cad. 199/6,  
34394, Şişli, İstanbul, Türkiye  
Phone: +90 212 217 17 00  
E-mail: info@avesyayincilik.com

**Sergio Machado** , PhD  
Postgraduate Program of Physical Activity Sciences,  
Salgado de Oliveira University, Rio de Janeiro, Brazil

**Annalisa Maraone**, PhD  
Department of Human Neuroscience, Sapienza  
University of Rome, Rome, Italy

**Blazej Misiak**, MD, PhD  
Department and Clinic of Psychiatry, Wroclaw Medical  
University, Wroclaw, Poland


**Woojae Myung** , MD  
Department of Neuropsychiatry, Seoul National  
University Bundang Hospital, Seoul, Republic of Korea

**Jing Nie**, MD  
Shanghai Mental Health Center, Shanghai, China

**Michael Noll-Hussong** , MD  
Department of Psychosomatic Medicine and  
Psychotherapy, Saarland University Medical Center  
and Saarland University Faculty of Medicine, Homburg,  
Germany

**Seithikurippu R Pandi-Perumal**, MSc.  
Somnogen Canada Inc., College Street, Toronto, Canada

**Seon-Cheol Park** , MD, PhD  
Department of Psychiatry, Hanyang University College  
of Medicine, Seoul, Republic of Korea

**Massimo Pasquini** , MD  
Department of Human Neurosciences, Sapienza  
University of Rome Faculty of Medicine and Dentistry,  
Policlinico Umberto I, Rome, Italy

**Wenwang Rao**, PhD  
Department of Preventive Medicine, Shantou  
University Medical College, Guangdong, China

**Ilaria Riboldi**, MD  
Department of Medicine and Surgery, University of  
Milano-Bicocca, Monza, Italy

### Ethics Editor

**Berna Arda**, MD, PhD  
Department of History of Medicine and Medical Ethics,  
Ankara University School of Medicine, Ankara, Türkiye  
arda@medicine.ankara.edu.tr

### Biostatistics Editor


**İlker Ercan**, PhD  
Department of Biostatistics, Uludağ University School  
of Medicine, Bursa, Türkiye  
iercan@msn.com

**Gianluca Serafini** , MD  
Neuroscience DINOGMI, University of Genoa, IRCCS  
Ospedale Policlinico San Martino, Genova, Italy

**Om Prakash Singh**, MD  
Department of Psychiatry, NRS Medical College,  
Kolkata, India

**Fernando Lolas Stepke** , MD  
Interdisciplinary Center for Studies in Bioethics,  
University of Chile, Santiago, Chile

**Drozdstoj Stoyanov** , MD, PhD  
Department of Psychiatry and Medical Psychology,  
Medical University of Plovdiv, Bulgaria

**Steven Taylor** , PhD  
Department of Psychiatry, University of British  
Columbia, Vancouver, Canada


**Julio Torales**, MD, PhD  
Department of Psychiatry, National University of  
Asunción, San Lorenzo, Paraguay

**Yuan Yuan Wang**, PhD  
Department of Psychology, South China Normal  
University, Guangzhou, China

**Lei Xia**, MD  
Department of Psychiatry, Chaohu Hospital of Anhui  
Medical University, Anhui, China

**Rongwang Yang**, MD  
Department of Child Psychology, Children's Hospital,  
Zhejiang University School of Medicine, Zhejiang, China

**Bin Zhang**, PhD  
Institute of Mental Health, Tianjin Anding Hospital,  
Tianjin Medical University, Tianjin, China

**Bao-Liang Zhong** , MD, PhD  
Department of Psychiatry, Affiliated Wuhan Mental  
Health Center, Tongji Medical College of Huazhong  
University of Science and Technology, Wuhan, Hubei  
Province, China

**Shi-Bin Wang**, PhD, MD  
Guangdong Mental Health Center, Guangdong  
Provincial People's Hospital, Guangdong Academy  
of Medical Sciences, Southern Medical University,  
Guangzhou, Guangdong, China

**Yibo Wu**, PhD  
Peking University School of Public Health, Beijing,  
China  
bjmuyibo@outlook.com

## About the Alpha Psychiatry

Alpha Psychiatry is an open access, peer reviewed journal committed to promoting the highest standards of scientific exchange and education.

Alpha Psychiatry is a bimonthly journal that is published in English with 6 issues.

### Journal History

As of 2021, the journal has changed its title to Alpha Psychiatry.

Current Title (2021 - ...)

Alpha Psychiatry  
EISSN: 2757-8038

Previous Title (2000 – 2020)

Anatolian Journal of Psychiatry  
ISSN: 1302-6631

### Abstracting and indexing

Alpha Psychiatry is covered in the following abstracting and indexing databases;

- Science Citation Index Expanded (SCIE)
- PubMed Central
- Embase
- PsycINFO
- Proquest
- EBSCO
- Gale
- CNKI
- TUBITAK ULAKBIM TR Index
- Chemical Abstracts

All content published in the journal is permanently archived in Portico.

### Aims, Scope, and Audience

Alpha Psychiatry aims to publish studies of the highest scientific and clinical value, and encourages the submission of high-quality research that advances the understanding and treatment of psychiatry.

Alpha Psychiatry covers a wide range of topics related to psychiatry, basic and clinical neuroscience and behavioral sciences, including diagnostic methods, treatment techniques, and prevention strategies. The journal is interested in publishing original research that addresses important clinical questions and advances the understanding and treatment of these conditions. This may include studies on the effectiveness of different treatments, new diagnostic tools or techniques, and novel approaches to preventing or managing mental diseases.

Alpha Psychiatry publishes original research articles, invited reviews, letters to the editor, editorial comments, debates and expert opinion on guidelines. Conference proceedings may also be considered for publication.

The target audience of the journal includes psychiatrists, mental health workers, neuroscientists and researchers who are interested or working in all fields of medicine.

### Article Processing Charge (APC) and Waivers

No fees are requested from the authors during submission and evaluation process. All manuscripts must be submitted via the online submission system, which is available at [www.alpha-psychiatry.com](http://www.alpha-psychiatry.com). The journal guidelines, technical information, and the required forms are available on the journal's web page.

As of August 2, 2024, Alpha Psychiatry receives a 1800 USD article processing charge (APC) + 5% Transaction Fee (90 USD), For manuscripts submitted and accepted before August 2, 2023, the article processing charge will remain at 1500 USD article processing charge (APC) + 5% Transaction Fee (75 USD).

Upon the acceptance of the manuscript, authors should transfer the payment to the account that is stated in the acceptance letter. Please contact editorial office for payment information.

Authors are required to properly disclose any financial support they receive for the payment of the article processing charge.

## About the Alpha Psychiatry

### Waiver and Discounts Policy

For waivers or discounts please contact the Editorial Office of journals before submission. Alpha Psychiatry stated that author fees or waiver status should not influence editorial decision making.

Please note that all submissions are evaluated by the Editorial Board and the external reviewers in terms of scientific quality and ethical standards. APC payments have not any effect on the outcome of the article's evaluation and/or publication priority.

### Open Access Statement

Alpha Psychiatry is an open access publication, and the journal's publication model is based on Budapest Open Access Initiative (BOAI) declaration. All published content is available online, free of charge at [www.alpha-psychiatry.com](http://www.alpha-psychiatry.com). Authors retain the copyright of their published work in the Alpha Psychiatry. The journal's content is licensed under a Creative Commons Attribution-NonCommercial (CC BY-NC) 4.0 International License which permits third parties to share and adapt the content for non-commercial purposes by giving the appropriate credit to the original work.

### Advertising Policy

Alpha Psychiatry accepts digital advertisements on its website. These ads must be approved by the journal's Editorial Board and management, and must be clearly labeled as advertisements. Advertisers have no influence on editorial decisions or advertising policies.

Those interested in advertising in the journal should contact the Editorial Office.

### Disclaimer

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author (s) and not the opinions of editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

You can find the current version of the Instructions to Authors at: <https://alpha-psychiatry.com/en/instructions-to-authors-106>

**Editor in Chief:** Francesco Bartoli

**Address:** Department of Medicine and Surgery, University of Milano Bicocca, Monza, Italy

**E-mail:** francesco.bartoli@unimib.it

**Editor in Chief:** Wei Zheng

**Address:** Department of Psychiatry, The Affiliated Brain Hospital of Guangzhou Medical University, Guangzhou, China

**E-mail:** zhengwei0702@163.com

**Publisher:** AVES

**Address:** Büyükderece Cad., 199/6, 34394, Şişli, İstanbul, Türkiye

**Phone:** +90 212 217 17 00

**E-mail:** info@avesyayincilik.com

## CONTENTS

### Systematic Reviews

- 669** The Association between Vitamin D Deficiency and Perinatal Depression: A Systematic Review and Meta-Analysis  
*Yamin Yuan, Liyuan Qu, Qiufeng Sun, Peina He, Xiaohuan Zhou*
- 676** Adjunctive Intermittent Theta-Burst Stimulation for Schizophrenia: A Systematic Review and Meta-analysis of Randomized Double-Blind Controlled Studies  
*Kai-Si Wen, Xin-Hu Yang, Nan Zhang, Si-Yuan Lin, Xing-Bing Huang, Todd Jackson, Yu-Tao Xiang, Wei Zheng*

### Review

- 685** Dopaminergic and Glutamatergic Mechanisms in Addiction: Assessing the Therapeutic Promise of Memantine and Galantamine for Maintenance Treatment: A Review  
*Qutub Jamali, Ahmed S. Abdelgawad, Heidi Soliman, Faisal S. Alam, Kalpesh Solanki*

### Original Articles

- 692** Does Alexithymia Predict the Psychiatric Comorbidity Among Healthy Carriers of Hepatitis B?  
*Nermin Gündüz, Özge Timur, Doğan Nasır Binici, Erkal Erzincan, Ahmet Yosmaoğlu*
- 700** Efficacy of Modified Electroconvulsive Therapy in Treatment-Resistant Schizophrenia  
*Hong-Yuan Chen, Xiao-Jun Wang, Ping Guo, Hai-Ying Chen, Wen-Jie Wei, Yu Chen, Yun-Jiao Hu, Juan Qiao, Hua-Xin Lu, Ming-Chao Li, Qiu-Ming Ji*
- 705** Associations Between Delayed Sleep Phase Syndrome and Daytime Napping with the Metabolic Syndrome Among Adults: Results from the Ravansar Non-Communicable Disease (RaNCD) Cohort Study  
*Niloofer Hemati, Ali Alipouriani, Mehdi Moradinazar, Alireza Ahmadi, Reza Mohammadi, Mitra Bonyani, Dena Sadeghi-Bahmani, Annette Beatrix Brühl, Habibolah Khazaie, Serge Brand*
- 713** The Relationship between Parental Smartphone Addiction and Preschool Children's Emotional Regulation  
*Tianjiao Song, Hao Zhao, Shameem Rafik-Galea, Mimi Fitriana*
- 721** Analysis of Depression in Aged, Hospitalized Patients with Chronic Heart Failure  
*Tao Wang, Lina Ma, Li Zhang, Zhongying Zhang, Wenliang Zhai, Yun Li*

### Systematic Review

- 727** Effectiveness of Cognitive Rehabilitation in Improving Symptoms and Restoring Cognitive Functions in Patients with Depression: An Updated Meta-Analysis of Randomized Controlled Trials  
*Lijun Liu, Keqiang Wang, Dongmei Xu, Yuhong Wang, Xiaomei Xu, Qian Wang, Xinfu Wang*

### Original Article

- 737** Development and Evaluation of the “Eating More Consciously” Module of a Lifestyle Intervention Program to Prevent Medication-Induced Weight Gain in Psychiatric Patients: A One-Arm Pilot Study  
*Catherine Glocker, Maria S. Simon, Nicole Adler, Julia Eder, Barbara B. Barton, Richard Musil*

### Editorials

- 746** Should We Really Say Goodbye to the Effects of Nurture on Development?  
*Hans M. Koot*
- 748** Loneliness and Isolation in Psychiatric Perspective  
*Fernando Lolas Stepke*
- 750** The Diagnosis of Bipolar Disorders: A Major Public Health Issue  
*Michel Bourin*
- 752** Physical Activity, Exercise, and Mental Disorders of Older Adults  
*Zheng Feei Ma, Shaobo Zhou*
- 754** **Erratum**