

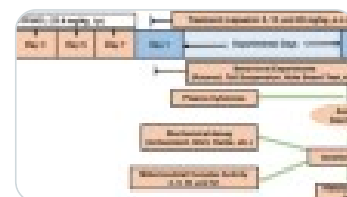
Volume 55, Issue 1
January 2025

25 articles in this issue

Beneficial role of capsaicin through modulation of mitochondrial functions in MPTP-injected mice

Sakshi TyagiAjit Kumar Thakur

OriginalPaper | 10 February 2024 | Pages: 1 - 15



Antidepressant activity of *Mucuna pruriens* in prolonged chronic mild stress induced depression in *Drosophila melanogaster*

Mariam Eniola SulaimanMariam Abimbola AjirobaNusrah Bolatito Afolabi-Balogun

OriginalPaper | 18 December 2024 | Pages: 16 - 30



The anxiolytic, anti-depressive, and antioxidative effects of lemon verbena in rat rendered diabetic by streptozotocin injection

Oumaima AbouyaalaSoukaina BougrineMoulay Laarbi Ouahidi

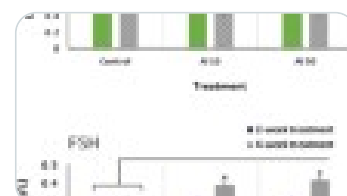
OriginalPaper | 06 January 2025 | Pages: 31 - 42



AlCl3-induced Alzheimer's in rats: linking oxidative stress, inflammation, and lactate production via the cAMP/AK signaling pathway

Roza SeifiManizheh KaramiMohammadreza Jalali-Nadoushan

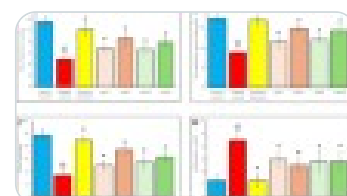
OriginalPaper | 24 January 2025 | Pages: 43 - 60



Callistemon viminalis extracts: dual action on anxiety and neuroprotection via neuroinflammatory and serotonergic pathways

Neelam KumariArun MittalArun K. Sharma

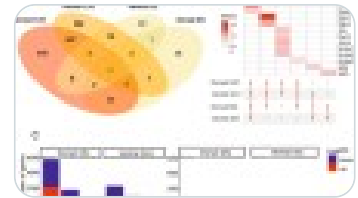
OriginalPaper | 15 January 2025 | Pages: 61 - 73



Changes in gene expression in dorsal and ventral CA1 areas and dentate gyrus in male mice hippocampus due to context fear conditioning

Natalia BalAlexander BeletskiyAnastasia Shvadchenko

OriginalPaper | 17 February 2025 | Pages: 74 - 85



Exploring the role of AMPK-JNK signaling pathways in Parkinson's disease: Pathophysiology to therapeutic strategies

Pankaj KumarRoyal PatelKhadga Raj Aran

ReviewPaper | 10 February 2025 | Pages: 86 - 100



Anxiety Disorders as Comorbid States in Psychoneurological Disorders in Children

N. N. ZavadenkoYu. E. NesterovskiyE. M. Shypilova

Review | 07 March 2025 | Pages: 101 - 108

Association of the Single-Nucleotide Polymorphism rs6265 of the Brain-Derived Neurotrophic Factor Gene with Features of the Clinical Pictures of Parkinson's Disease

M. A. NikitinaE. Yu. BraginaV. M. Alifirova

Original Research | 07 March 2025 | Pages: 109 - 115

Microglial-Neuronal Interactions in the Caudate Nucleus in Schizophrenia with Different Courses

O. V. VikhrevaV. I. RakhmanovaN. A. Uranova

Review | 07 March 2025 | Pages: 116 - 126

Potential of Magnetic Resonance Morphometry and Laboratory Biomarkers in Investigations of the Progression of Multiple Sclerosis

V. A. MalkoE. A. SadovnichukT. M. Alekseeva

Original Research | 07 March 2025 | Pages: 127 - 132

The Role of Dopamine Receptors in the Modulation of Mononuclear Phagocytes in Multiple Sclerosis

A. V. LopatinaA. A. SviridovaM. V. Melnikov

Original Research | 07 March 2025 | Pages: 133 - 138

Rare Forms of Autosomal Recessive Spinocerebellar Ataxia Associated with Mutations in the *ANO10* (ATX-*ANO10*) and *SYNE1* (ATX-*SYNE1*) Genes

E. P. NuzhnyiA. O. ProtopopovaS. N. Illarioshkin

Original Research | 07 March 2025 | Pages: 139 - 144

Review of Experience in the Use of Event-Related Potentials in Studies of the Implicit Component of Cognitive Biases

M. V. Yatsenkol. V. BrakE. D. Artemenko

Review | 07 March 2025 | Pages: 145 - 152

Impact of the Type of Playful Massage Movements on the Perception of Tactile Stimulation in Children: An EEG Study

E. A. DydenkovaE. V. ZhukovaG. V. Portnova

Original Research | 07 March 2025 | Pages: 153 - 164

The Search for the Most Informative Areas for the Binary Classification of Schizophrenia Using Resting fMRI Data Based in a Method for Extracting Functionally Homogeneous Areas

A. D. ZhemchuzhnikovS. I. KartashovM. A. Kaydan

Original Research | 07 March 2025 | Pages: 165 - 175

Analysis of Associations of Temperament and Character Traits with Serum Cortisol Levels in Sakha (Yakut) Men Taking Account of Childhood Stress

S. S. NakhodkinN. A. BarashkovS. A. Fedorova

Original Research | 07 March 2025 | Pages: 176 - 183

The Effect of the STin2VNTR Polymorphism of the Serotonin Transporter Gene on the Background EEG in Elderly Subjects Depends on the Intellectual Environment of Professional Activity

E. Yu. PrivodnovaN. V. Volf

Original Research | 07 March 2025 | Pages: 184 - 193

EEG Correlates of Recognition of Self in Morphed Images: Association with Social Anxiety

A. V. BocharovA. N. SavostyanovG. G. Knyazev

Original Research | 07 March 2025 | Pages: 194 - 202

Is Right the Same as Correct? Influence of the Type of Motor Response on Behavioral and Electrophysiological Indicators During an Orthographic Decision Task

E. V. LarionovaZh. V. GarakhE. A. Luschekina

Original Research | 07 March 2025 | Pages: 203 - 210

Social Isolation Induces Addictive Behavior and Increased Dopamine Release in the Nucleus Accumbens in Response to Stimulation of the Positive Reinforcing Zone

S. S. PyurveevA. A. LebedevP. D. Shabanov

Original Research | 07 March 2025 | Pages: 211 - 221

Interstrain Differences in the Cognitive Abilities of Laboratory Mice (an Elementary Logical Task, Attention, Memory)

O. V. PerepelkinaI. I. Poletaeva

Original Research | 07 March 2025 | Pages: 222 - 228

Dependence of Amplitude and Phase Characteristics of Vasomotor Oscillations on the Visual Stimulation Conditions and Experiment Duration

S. A. KozhukhovK. A. SaltykovI. V. Bondar

OriginalPaper | 07 March 2025 | Pages: 229 - 242

Mechanical Stimulation of the Support Zones of the Soles as a Countermeasure to the Negative Effects of Motor Unloading

M. P. BekrenevaA. A. SavekoE. S. Tomilovskaya

Original Research | 07 March 2025 | Pages: 243 - 250

The Cochlear Aqueduct and Its Significance in Hearing Pathology. Literature Review and a Clinical Case

L. V. Toropchina

Original Research | 07 March 2025 | Pages: 251 - 255
