

## FIȘĂ DE EVALUARE ÎN CONFORMITATE CU STANDARDELE MINIMALE PE DOMENII PENTRU ACCEDEREA PE FUNCȚII DE CERCETARE

### DEPARTAMENTUL DE ȘTIINȚE EXACTE ȘI ȘTIINȚE ALE NATURII, POZIȚIA DE CERCETĂTOR ȘTIINȚIFIC GRADUL III (POZIȚIA 19):

**1. Minim două (2) articole ca autor principal în reviste cu factor de impact în baza de date Web of Science, cu AIS cumulat  $\geq 1,5$**

AIS pentru fiecare jurnal a fost extras de pe platforma <https://jcr.clarivate.com/> conform cu cotația calculată de Clarivate pentru anul publicării articolului sau din documentele disponibile pe pagina UEFISCDI, secțiunea Scientometrie.

Articol	AIS	Mențiuni
Mavroudis I, [...], <b>Balmus I-M</b> . <i>Post-traumatic headache: a review of prevalence, clinical features, risk factors, and treatment strategies</i> . JOURNAL OF CLINICAL MEDICINE 2023; 12(13): 4233.	<b>0,911</b> (2022)	Ultim autor
Mavroudis I, [...], <b>Balmus I-M</b> . <i>Functional overlay model of persistent post-concussion syndrome</i> . BRAIN SCIENCES 2023; 13(7): 1028.	<b>0,772</b> (2022)	Ultim autor
Savuca A, [...], <b>Balmus IM</b> . <i>Current aspects on the plastic nano- and microparticles toxicity in zebrafish—focus on the correlation between oxidative stress responses and neurodevelopment</i> . ANIMALS-BASEL 2023; 13(11): 1810.	0,499 (2022)	Ultim autor
Ababei D-C, <b>Balmus I-M</b> , et al. <i>The impact of some modulators of the renin-angiotensin system on the scopolamine-induced memory loss mice model</i> . BRAIN SCIENCES 2023; 13(8): 1211	0,772 (2022)	Autor corespondent
Mavroudis I, [...], <b>Balmus I-M</b> , [...]. <i>A systematic review and meta-analysis of the grey matter volumetric changes in mild traumatic brain injuries</i> . APPLIED SCIENCES 2022; 12(19): 9954.	0,414 (2022)	Autor corespondent
Lefter, R; [...], <b>Balmus, IM</b> ; [...]. <i>Interactions between sleep and emotions in humans and animal models</i> . MEDICINA-LITHUANIA 2022; 58(2): 274.	0,523 (2022)	Autor corespondent
Robea MA†, <b>Balmus I-M</b> †, et al. <i>Coagulation Dysfunctions in Non-Alcoholic Fatty Liver Disease—Oxidative Stress and Inflammation Relevance</i> . MEDICINA-LITHUANIA 2023; 59(9): 1614.	0,523 (2022)	†These authors contributed equally to this work.
Mavroudis I†, <b>Balmus I-M</b> †, et al. <i>A review of the most recent clinical and neuropathological criteria for chronic traumatic encephalopathy</i> . HEALTHCARE 2023; 11(12): 1689.	0,518 (2022)	†These authors contributed equally to this work.
Mavroudis I†, [...], <b>Balmus I-M</b> †, [...]. <i>Review on the role of salivary biomarkers in the diagnosis of mild traumatic brain injury and post-concussion syndrome</i> . DIAGNOSTICS 2023; 13(8): 1367.	0,670 (2022)	†These authors contributed equally to this work.

Curpăn, A.S. †; <b>Balmus, I.-M.†</b> ; et al. <i>A mini-review regarding the modalities to study neurodevelopmental disorders-like impairments in zebrafish — focussing on neurobehavioural and psychological responses.</i> BRAIN SCIENCES 2022; 12: 1147.	0,772 (2022)	†These authors contributed equally to this work.
Mavroudis I†, <b>Balmus I-M†</b> , et al. <i>Mini-Review on the Harlequin Syndrome—A Rare Dysautonomic Manifestation Requiring Attention.</i> MEDICINA-LITHUANIA 2022; 58(7): 938.	0,523 (2022)	†These authors contributed equally to this work.
<b>Balmus IM</b> , et al. <i>Biomolecules from plant wastes potentially relevant in the management of irritable bowel syndrome and co-occurring symptomatology.</i> MOLECULES 2022; 27(8): 2403.	0,660 (2022)	Prim autor
Cojocariu RO, <b>Balmus IM</b> , et al. <i>Camelina sativa methanolic and ethanolic extract potential in alleviating oxidative stress, memory deficits, and affective impairments in stress exposure-based irritable bowel syndrome mouse models.</i> OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, 2020; 2020: 9510305.	1,203 (2020)	Authors' Contributions. R.O. Cojocariu and I.M. Balmus equally contributed to this work as first authors.
Robea MA, <b>Balmus IM</b> , et al. <i>Parkinson's disease-induced zebrafish models: focussing on oxidative stress implications and sleep processes.</i> OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, 2020; 2020: 1370837.	1,203 (2020)	Authors' Contributions Robea M.-A. and Balmus I.-M. equally contributed to this work as first authors.
<b>Balmus IM</b> , Cojocariu RO, et al. <i>Preliminary study on the tears oxidative stress status and sleep disturbances in irritable bowel syndrome patients.</i> OXIDATIVE MEDICINE AND CELLULAR LONGEVITY 2020; 2020: 4690713.	1,203 (2020)	Prim autor
<b>Balmus IM</b> , Alexa AI, et al. <i>Oxidative stress markers dynamics in keratoconus patients' tears before and after corneal collagen crosslinking procedure.</i> EXPERIMENTAL EYE RESEARCH 2020; 190: 107897.	0,935 (2020)	Prim autor
<b>Balmus IM</b> , Strungaru SA, et al. <i>Preliminary data on the interaction between some biometals and oxidative stress status in mild cognitive impairment and Alzheimer's disease patients.</i> OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, 2017; 2017: 7156928.	1,115 (2017)	Prim autor
<b>Balmus IM</b> , Ciobica A, et al. <i>Oxidative stress implications in the affective disorders: main biomarkers, animal models relevance, genetic perspectives, and antioxidant approaches.</i> OXIDATIVE MEDICINE AND CELLULAR LONGEVITY 2016; 2016: 3975101.	1,039 (2016)	Prim autor
<b>Total</b>	<b>14,255</b>	<b>Criteriu îndeplinit</b>

## 2. Un (1) articol în reviste BDI

Articol	ISSN	Indexare
<b>Balmus IM</b> , et al. <i>Mini-review on the chronic stress paradigm in neuropsychiatry research—perspectives and controversies.</i> BULLETIN OF INTEGRATIVE PSYCHIATRY 2023, 2(97), 39-44.	ISSN 2393 – 2694	Index Copernicus, DOAJ, ERIH Plus, CEEOL
Oprea G, [...], <b>Balmus IM*</b> , [...]. <i>An editorial view on restoring the balance of intestinal microbiota and its relevance to most of the neuropsychiatric disorders.</i> BULLETIN OF INTEGRATIVE PSYCHIATRY, 2023, 1(96), 25-33.	ISSN 2393 – 2694	Index Copernicus, DOAJ, ERIH Plus, CEEOL
Oprea G, [...], <b>Balmus IM*</b> , [...]. <i>The implications of intestinal microflora in the onset of digestive, metabolic, and neuropsychiatric disorders and their interactions.</i> BULLETIN OF INTEGRATIVE PSYCHIATRY, 2023, 1(96), 35-38.	ISSN 2393 – 2694	Index Copernicus, DOAJ, ERIH Plus, CEEOL
<b>Balmus IM</b> , et al. <i>Validation of Romanian version of visual analogue scale for irritable bowel syndrome questionnaire (VAS-IBS).</i> BULLETIN OF INTEGRATIVE PSYCHIATRY, 2020,	ISSN 2393 – 2694	Index Copernicus, DOAJ, ERIHPLUS,

1(84), 63-68.			CEEOL
Foyet SH, <b>Balmus IM</b> , et al. <i>Ethnopharmacological approaches in mood and anxiety disorders. The relevance of the oxidative stress status.</i> JOURNAL OF COMPLEMENTARY AND INTEGRATIVE MEDICINE, 2017; 14(2): 20160059.	ISSN 1553-3840		Index Copernicus, CAS, CABI, EMBASE, EBSCO
Guenné S, <b>Balmus LM</b> , et al. <i>The relevance of Asteraceae family in most of the neuropsychiatric disorders treatment.</i> INTERNATIONAL JOURNAL OF PHYTOMEDICINE 2016; 8: 176-182.	ISSN 0975-0185		Elsevier EMBASE, NLM, CAS, Crossref, Index Copernicus
<b>Balmus IM</b> , Ciobică A, et al. <i>Current status of research on transgenic animal models for Alzheimer's disease.</i> ANALELE FACULTĂȚII DE BIOLOGIE (SERIA GENETICĂ ȘI BIOLOGIE MOLECULARĂ), 2015; 16(1): 17-26.	ISSN 1582-3571		DOAJ, Index Copernicus, EBSCO
Guenné S, <b>Balmus IM</b> , et al. <i>Mini-review: possible implications of chrysanthellum sp.in psychiatric disorders treatment.</i> BULLETIN OF INTEGRATIVE PSYCHIATRY, 2015; 2(65).	ISSN 2393 – 2694		Index Copernicus, DOAJ, ERIHPLUS, CEEOL
Ababei D, [...], <b>Balmus I</b> , [...]. <i>Preliminary data regarding some pain manifestations in a MPTP-induced rat model of Parkinson's disease.</i> MEDICAMENTUL VETERINAR / VETERINARY DRUG 2015; 9(1): 59-62.	ISSN 1843-9527		Index Copernicus, DOAJ
<b>Balmus IM</b> , et al. <i>Current status of knowledge on Alzheimer's disease genetics.</i> ANALELE FACULTĂȚII DE BIOLOGIE (SERIA GENETICĂ ȘI BIOLOGIE MOLECULARĂ) 2014; 15(4): 1-8.	ISSN 1582-3571		DOAJ, Index Copernicus, EBSCO
Padurariu M, [...], <b>Balmus IM</b> , [...]. <i>Curent aspects regarding the biological, psysiological and social implications of oxytocin in the affective disorders.</i> ROMANIAN JOURNAL OF PSYCHOPHARMACOLOGY 2014; 14: 180-186.	ISSN 1582-7674		Index Copernicus

**Criteriu îndeplinit**

### 3. h = 2

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**Criteriu îndeplinit**

În urma evaluării mai sus prezentată, în conformitate cu standardele minimale pe domenii pentru accederea pe funcții de cercetare din cadrul INSTITUTULUI DE CERCETĂRI INTERDISCIPLINARE al UAIC, menționez că îndeplinesc criteriile pentru Poziția de Cercetător Științific III (poziția 19 în cadrul Departamentului de Științe Exacte și Științe ale Naturii).

19.12.2023

Dr. Balmuş Ioana-Miruna