

BIOGRAPHICAL SKETCH			
NAME Ciobica, Alin Stelian		POSITION Principal Investigator - "Al. I.Cuza" University and Romanian Academy	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
"Al. I.Cuza" University, Faculty of Biology, Iasi, Romania	Diploma degree	2000 -2004	General Biology
"Al. I.Cuza" University, Faculty of Biology	PhD – Magna cum laude	2004 -2008	Behavioral Neuroscience
Romanian Academy, Center of Biomedical Research, Iasi	Researcher	2008 - present	Behavioral Neuroscience and Biochemistry
"Al. I.Cuza" University, Faculty of Biology, Iasi, Romania	Researcher	2009- present	Behavioral Neuroscience and Biochemistry
"Al. I.Cuza" University, Faculty of Biology, Iasi, Romania	Habilitation thesis (PhD coordinator)	2014- present	Behavioral Neuroscience and Biochemistry
"Al. I.Cuza" University, Faculty of Biology, Iasi, Romania	Professor at the Doctoral School (non permanent yearly-renewed contract).	2018- present	Science Research

Personal Details:

I have more than 17 years of research experience in studying various behavioral tests and animal models of neuropsychiatric disorders in rats. These studies were also completed by various biochemical, molecular and histological analysis, especially connected to the relevance of the oxidative stress status in some neuropsychiatric diseases, as studied in both human patients and animal models of Alzheimer's disease, Parkinson's disease, depression, anxiety, schizophrenia and autism.

Date of birth: 14.06.1981

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Place of birth: Botosani, Romania

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A. Honors. List any honors.

- **Best poster award** in the "3rd International Congress on Brain and Behaviour", Thessaloniki, Greece, **28 November -2 December. 2007**, with the poster called "Cognitive disorders in 6-hydroxydopamine-induced rat model of Parkinson's disease".
- The "Young Investigator Award" in the "Summer Neuropeptide Conference", **20 -23 July, 2009, Salzburg, Austria.**
- The "Young Investigator Award" in the „41st Meeting of the European Brain and Behaviour Society (EBBS)", **13 -18 September 2009, Rhodos, Greece.**

- **Brain Awareness Week 2008 Award** (provided by DANA foundation USA and FENS), with the project “BAW 2008 at ”Alexandru Ioan Cuza” University, Iasi, Romania”.

The International Brain Research Organization (IBRO) Travel Grant Prize for The Society for Neuroscience (SFN) 41st Annual Meeting Conference, Washington, DC, 12-16 November 2011, with the article “Oxidative stress status in patients treated with typical vs. atypical antipsychotics”. Chair of the IBRO Fellowships Committee: Prof. Marta Hallak.

Department-Department Cooperation Grant Prize (European Federation of Neurological Societies) - Department of Neurology - Aristotle University (Thessaloniki, Greece) – Prof. Stavros Baloyannis. March-May 2011.

IBRO Young Investigator Program Prize- Invited to Prof Maurizio Pocchiari - Istituto Superiore di Sanita- Rome, Italy. June- July 2011.

Selected expert for the Workshop “ECNP Targeted Expert Meeting on Autism: from deviant neurodevelopment through illness mechanisms towards impaired function”, 12-13 October 2012, Vienna Austria.

Young Researcher Scholarship for “8th International Meeting for Brain Energy Metabolism – Neurodegeneration and Regeneration”, 27 June-1 July, 2008, Beijing, China.

Young Researcher Travel Award for the “XVIII WFN World Congress on Parkinson’s Disease and Other Movement Disorders”, 13-16 December 2009, Miami, USA.

IBRO-CEERC-WERC InEurope Short Stay Fellowship Award 2012-13 Programme - Department of Neurology - Aristotle University (Thessaloniki, Greece) –Dr. Ioannis Mavroudis. October-November 2012

The International Brain Research Organization (IBRO) Travel Grant Award for The Society for Neuroscience 2013 Conference, November 9-13, San Diego, California, with the article “Angiotensin-(1-7) central administration induces anxiolytic-like effects in elevated plus maze and decreased oxidative stress in the amygdala”.

Best Poster Award – in the "4th International Congress on Neurobiology, Psychopharmacology and Treatment Guidance", Agios Nikolaos Crete, Greece, May 14-17 2015, with the poster called “The relevance of some memory deficits in a valproic acid-induced rat model of autism”. Chair of the Poster Award Jury: Konstantinos N. Fountoulakis, Professor of Psychiatry.

Selected for the Tournament for Young Neurologists Competition (Basic Science) in 1ST CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY, Berlin, Germany, June 20-23 2015, with the paper “Pain manifestations in an MPTP-induced rat model of Parkinson’s disease”. Selection committee: Prof. A. Federico, Siena/Italy, Prof. G. Stoll, Wuerzburg/Germany, Prof. G. Moonen, Charneux-Herve/Belgium.

The paper “Memory deficits in a ketamine-induced rat model of schizophrenia” was selected for an WFSBP Educational Grant in 12th World Congress of Biological Psychiatry, 14-18 June 2015, Athens, Greece.

Fellowship for the Alzheimer's Association International Conference- AAIC 2015, 18 – 23 July 2015, Washington, D.C. with the paper “The Interaction Between Decreased Short-term Spatial Memory and Increased Oxidative Stress in a Scopolamine-Induced rat model of Alzheimer’s Disease”. Selection committee: Nicole Sanders, Senior Specialist, Alzheimer’s Association.

Al Idrisi Erasmus Bursary for Staff – October- November 2016 – University of Cairo

Erasmus + Programme Staff mobility for Teaching: 23/04/2018 - 27/04/2018 to KAZAKH NATIONAL UNIVERSITY, Kazakhstan, ALMATY.

Invited speaker:

- “The implication of oxidative stress in a rat model of Parkinson’s disease” in the “Young Physiologist Symposium-Cations in Physiological Signaling”, The University of Manchester, 18-19 March, 2008.
- “Effects of low-dose nicotine on neuronal oxidative stress status” in the “16th European Congress of Physical and Rehabilitation Medicine”, Brugge, Belgium, 3-6 June 2008.
 - “Changes of some oxidative stress markers in the serum of patients with mild cognitive impairment and Alzheimer’s disease”, International Conference on Aging & Cognition, Dortmund, Germany, 14-16 October 2010. Invited by Prof. Dr. Michael Falkenstein, Leibniz Research Centre for Working Environment and Human Factors.
 - “Nicotine ameliorates behavioral deficits and oxidative stress in a 6-hydroxydopamine rat model of Parkinson’s disease”, World Federation of Societies of Biological Psychiatry (WFSBP) Congress, Prague, 29 May – 2 June 2011. Invited by the Chair of the Session Neurodegenerative disorders II (FC-16), Prof. Dr. Alves Bartos, Czech Republic.
 - „Angiotensin-(1-7) central administration induces anxiolytic-like effects in elevated plus maze and decreased oxidative stress in the amygdala”, 11th World Congress of Biological Psychiatry, 23 - 27 June 2013, Kyoto, Japan. Invited by the Chair of the Session Posttraumatic Stress: Basic/Clinical (FC-02), Kenichi Kuriyama, Japan.
 - „The relevance of some animal models of neuropsychiatric disorders for magnesium studies”, Magnesium in Translational Medicine, 11-15 May 2014, Smolenice, Slovak Republic. Invited by the Chair of the Conference Dr.Martin Kolisek, The Freie Universität Berlin.
 - **Pain manifestations in an MPTP-induced rat model of Parkinson’s disease”, 1ST CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY, Berlin, Germany, June 20-23 2015.** Presented in the Tournament Competition; Chairs: Prof. A. Federico, Siena/Italy, Prof. G. Stoll, Wuerzburg/Germany, Prof. G. Moonen, Charneux-Herve/Belgium.
 - **"Describing some behavioural animal models of anxiety and their mecanistics. Oxytocin relevance?"; Presenter: Dr Ciobica, Alin Stelian, Opening guest lecture** of the 6th International Conference (The 14th Scientific Conference) of Veterinary Medicine. Organized by the Faculty of Veterinary Medicine, Cairo University, Egypt, January 28 – 31, 2017 at Sharm El Sheikh.
 - **"The animal models in Biology"**, Alin Ciobica (Iasi, Romania). Tallinn (Estonia) May 10th-13th, 2018, 20th Conference of Bridging Eastern and Western Psychiatry Bipolar Disorder and Personality.
 - **CURRENT KNOWLEDGE ON THE CONNECTIONS BETWEEN NEUROPSYCHIATRIC AND DENTAL DISORDERS: PERSPECTIVES, POSSIBLE RELEVANCE OF OXIDATIVE STRESS, PAIN, MUSIC OR IRRITABLE BOWEL SYNDROME AND POSSIBLE**

APPROACHES, 18th WPA World Congress of Psychiatry, organised in Mexico City, Mexico on 27-30 September 2018,

- **THE RELEVANCE OF COGNITIVE DEFICIT IN AN ADAPTED ANIMAL MODEL OF Irritable bowel syndrome IN MICE**, 27th European Congress of Psychiatry, 6 - 9 April 2019 Warsaw, Poland/

- **h-index: 28, with more then 3000 citations for the papers published in the last 10 years.**

- **Ad-hoc reviewer for more then 50 ISI Journals including: Journal of Alzheimer's Disease, Schizophrenia Research, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Journal of Psychiatric Research, Psychiatry Research, Psychiatry and Clinical Neurosciences, Neurochemical Research, Chemosphere, Molecular Psychiatry Nature, Oncotarget.**

B. Selected ISI-indexed publications (more then 100 in extenso ISI articles). Do not include publications submitted or in preparation.

1. Hritcu L, Ciobica A, Artenie V. **Effects of right-unilateral 6-hydroxydopamine infusion-induced memory impairment and oxidative stress: relevance for Parkinson's disease.** *Cent. Eur. J. Biol.*, 2008, 3(3): 250-257.
2. Gurzu C, Artenie V, Hritcu L, Ciobica A. **Prenatal testosterone improves the spatial learning and memory by protein synthesis in different lobes of the brain in the male and female rat.** *Cent. Eur. J. Biol.*, 2008, 3(1): 39-47.
3. Hritcu L, Ciobica A, Gorgan L., **Nicotine-induced memory impairment by increasing brain oxidative stress,** *Cent. Eur. J. Biol.* 2009; 4(3):335-342.
4. Ciobica A., Bild W., Hritcu L., Haulica I. **Brain renin-angiotensin system in cognitive function: pre-clinical findings and implications for prevention and treatment of dementia,** *Acta Neurol Belg.*, 2009, 109(3), 171-180.
5. Ciobica A, Hritcu L, Artenie V, Stoica B, Bild V, **Effects of 6-OHDA infusion into the hypothalamic paraventricular nucleus in mediating stress-induced behavioural responses and oxidative damage in rats,** *Acta Endocrinologica*, 2009, 5: 425-436.
6. Padurariu M, Ciobica A, Hritcu L, Stoica B, Bild W, Stefanescu C., **Changes of some oxidative stress markers in the serum of patients with mild cognitive impairment and Alzheimer's disease,** *Neuroscience Letters*, 2010, 469 (1), 6-10.
7. Padurariu M, Ciobica A, Dobrin I, Stefanescu C. **Evaluation of antioxidant enzymes activities and lipid peroxidation in schizophrenic patients treated with typical and atypical antipsychotics.** *Neurosci Lett.* 2010 Aug 2; 479(3):317-20.
8. Ciobica A, Hritcu L, Padurariu M, Dobrin R, Bild V. **Effects of serotonin depletion on behavior and neuronal oxidative stress status in rat: relevance for anxiety and affective disorders.** *Adv Med Sci.* 2010, 55(2), 289-296.
9. Foyet Harquin Simplicie, Hritcu Lucian, Ciobica Alin, Stefan Marius, Kamtchouing Pierre, Cojocarum Dumitru, **Methanolic extract of Hibiscus asper leaves improves spatial memory deficits in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease,** *Journal of Ethnopharmacology*, 2011 Jan 27;133(2):773-9.
10. Alin Ciobica, Lucian Hritcu, Veronica Nastasa, Manuela Padurariu, Walther Bild, **Inhibition of central angiotensin converting enzyme exerts anxiolytic effects by decreasing brain oxidative stress,** *J Med Biochem* 2011, 30(2): 109-114.

11. Hritcu L, Ciobica A, Stefan M, Mihasan M, Palamiuc L, Nabeshima T. **Spatial memory deficits and oxidative stress damage following exposure to lipopolysaccharide in a rodent model of Parkinson's disease.** *Neurosci Res.* 2011 Sep;71(1):35-43.
12. Ciobica A, Padurariu M, Dobrin I, Stefanescu C, Dobrin R. **Oxidative stress in schizophrenia - focusing on the main markers.** *Psychiatr Danub.* 2011 Sep;23(3):237-45.
13. Ciobica A, Olteanu Z, Padurariu M, Hritcu L., 2011. **The effects of low-dose pergolide on memory and oxidative stress in a 6-OHDA induced rat model of Parkinson's disease,** *Journal of Physiology and Biochemistry*, 2012, Volume 68, Number 1, 59-69.
14. Mihai Hogas, Alin Ciobica, Simona Hogas, Veronica Bild, Lucian Hritcu, **The effects of two doses manganese administration on short-term spatial memory and anxiety-like behavior in rats,** *Arch. Biol. Sci.*, vol. 63, issue 4, December 2011, 1031-1036.
15. Ciobica A, Padurariu M, Bild W, Stefanescu C. **Cardiovascular risk factors as potential markers for mild cognitive impairment and Alzheimer's disease.** *Psychiatr Danub*, 2011, 23(4), 333-340
16. Alin Ciobica, Raducu Popescu, Ion Haulica, Walther Bild, **Aspects regarding the neurobiology of psycho-affective functions,** *J Med Biochem*, 2012 31(1): 83–87.
17. Alin Ciobica, Manuela Padurariu, Lucian Hritcu, **The effects of short-term nicotine administration on behavioral and oxidative stress deficiencies induced by a rat model of Parkinson's disease,** *Psychiatr Danub*, 2012, 24(2) 194-205.
18. Walther Bild, Alin Ciobica, Manuela Padurariu, Veronica Bild, **The interdependence of the reactive species of oxygen, nitrogen and carbon,** *Journal of Physiology and Biochemistry*, Volume 69, Issue 1, (2013), 147-154.
19. Oana Arcan, Alin Ciobica, Walther Bild, Lucian Hritcu, Dumitru Cojocaru, **The effects of central angiotensin II and its specific blockers on nociception. Possible interactions with oxidative stress status,** *J Med Biochem*, 2013, 32(1): 52–58.
20. Padurariu M, Ciobica A, Mavroudis I, Fotiou D, Baloyannis S, **Hippocampal neuronal loss in the CA 1 and CA3 areas of Alzheimer's disease patients,** *Psychiatr Danub*, 2012, 24(2), 152-8.
21. Stefanescu C, Ciobica A, **The relevance of oxidative stress status in first episode and recurrent depression,** *Journal of Affective Disorders*, 2012 Dec 20;143(1-3):34-8.
22. Bild W., Ciobica A, **Angiotensin-(1-7) central administration induces anxiolytic-like effects in elevated plus maze and decreased oxidative stress in the amygdala,** *Journal of Affective Disorders*, 2013 Feb 20;145(2):165-71.
23. Mavroudis I. A., Petrides F., M. Manani, A. Ciobica, M. Padurariu, C. Theocharides , S. N. Njau, V. Costa, S. J. Baloyannis, **Dendritic and spinal alterations of the spiny stellate cells of the human visual cortex during normal aging,** *Folia Neuropathologica*, 2012; 50(3): 261-269.
24. Achitei D, Ciobica A, Balan G , Gologan E, Stanciu C, Stefanescu G. **Different Profile of Peripheral Antioxidant Enzymes and Lipid Peroxidation in Active and Non-active Inflammatory Bowel Disease Patients.** *Digestive Diseases and Sciences*, 2013 May;58(5):1244-9.
25. Manuela Padurariu, Alin Ciobica, Radu Lefter, Ionela Lacramioara Serban, Cristinel Stefanescu, Roxana Chirita, **The oxidative stress hypothesis in Alzheimer's disease,** *Psychiatr Danub*, 2013 Dec;25(4):401-9.
26. Lucian Hritcu, Alin Ciobica. **Intranigral lipopolysaccharide administration induced behavioral deficits and oxidative stress damage in laboratory rats: Relevance for Parkinson's disease.** *Behavioural Brain Research*, 253, 15 September 2013, Pages 25–31. IF= 3

27. Bild W, Hritcu L., Stefanescu C., Ciobica A, **Inhibition of central angiotensin II enhances memory function and reduces oxidative stress status in rat hippocampus**, *Progress in Neuropsychopharmacology & Biological Psychiatry*, Volume 43, 3 June 2013, Pages 79–88.
28. Ovidiu Alexinschi, Roxana Chirita, Alin Ciobica, Padurariu Manuela, Romeo Dobrin, Raluca Prepelita, Ionela Lacramioara Serban, Vasile Chirita, **The relevance of oxidative stress status in one week and one month alcohol abstinent patients**, *J Med Biochem*, 2014, Volume 33, Issue 3, Pages 284–290.
29. Cristian Mladin, Alin Ciobica, Radu Lefter, Alexandru Popescu, Walther Bild, **Deuterium-depleted water has stimulating effects on long-term memory in rats**, *Neurosci Lett*. 2014 Nov 7;583:154-8. IF= 2.
30. Iulia Antioch, Alin Ciobica, Manuel Paulet, Veronica Bild, Radu Lefter, Daniel Timofte, **Pain manifestations in schizophrenia - clinical and experimental aspects in human patients and animal models**, *Psychiatr Danub*, 2015; Vol. 27, No. 2, pp 142-152. IF 2014 1,3.
31. Ioannis A. Mavroudis, Marina G. Manani, Foivos Petrides, Dimitrios Dados, Alin Ciobica, Manuela Padurariu, Konstantina Petsoglou, Samuel N. Njau, Vasiliki G. Costa, Stavros J. Baloyannis, **Age-related dendritic and spinal alterations of pyramidal cells of the human visual cortex**, *Folia Neuropathol* 2015; 53 (2): 100-110. IF 2013 1,7.
32. Foyet Harquin Simplicie, Ngatanko Abaïssou Hervé Hervé, Wado Eglantine, Emamnel Acha Asongalem, Alin Ciobica, **Emilia coccinae (SIMS) G Extract Improves Memory Impairment, Cholinergic Dysfunction, and Oxidative Stress Damage in Scopolamine-Treated Rats**, *BMC Complementary and Alternative Medicine*, 2015 15 (1): 333.
33. Ioana Miruna Balmus, Alin Ciobica, Anca Negura, Lucian Negura, Emil Anton, **Basic aspects in selecting a suitable transgenic rodent model for Alzheimer's disease**, *Psychiatr Danub*, 2015; Vol. 27, No. 4, pp 338-345.
34. Ioana Miruna Balmus, Alin Ciobica, Anca Trifan, Carol Stanciu, **The implications of oxidative stress and antioxidant therapies in inflammatory bowel disease: clinical aspects and animal models**, *Saudi Journal of Gastroenterology*, Volume 22, Number 1, January 2016.
35. Ciobica Alin, Balmus Ioana Miruna, Padurariu Manuela, **Is oxytocin relevant for the affective disorders?** *Acta Endocrinologica*, 2016, 12 (1): 65-71.
36. Ioana Miruna Balmus, Alin Ciobica, Iulia Antioch, Romeo Dobrin, Daniel Timofte, **Oxidative stress implications in the affective disorders: main biomarkers, animal models relevance, genetic perspectives and antioxidant approaches**, *Oxidative Medicine and Cellular Longevity*, Volume 2016, Article ID 3975101, 25 pages, <http://dx.doi.org/10.1155/2016/3975101>.
37. Ciobica A, Padurariu M, Ciobica A, Timofte D, Stefanescu C, Nasreddine Z. **General issues encountered while diagnosing mild cognitive impairment in Romanian patients**. *Int J Geriatr Psychiatry*. 2017 Jan;32(1):116-117. doi: 10.1002/gps.4531.
38. Vargáné Kis Anna, Ciobica A, J Topal, **The effect of oxytocin on human-directed social behaviour in dogs (Canis familiaris)**, *Hormones and Behavior*, 2017 Jun 28;94:40-52. doi: 10.1016/j.yhbeh.2017.06.001. IF 3.34.
39. Ioana-Miruna Balmuş, Stefan-Adrian Strungaru, Alin Ciobica, Mircea-Nicusor Nicoara, Romeo Dobrin, Gabriel Plavan, Cristinel Ştefănescu, **Preliminary data on the interaction between some biometals and oxidative stress status in mild cognitive impairment and Alzheimer's disease patients**, *Oxidative Medicine and Cellular Longevity*, 2017, IF 4.59.
40. Stefan-Adrian Strungaru, Madalina Andreea Robea, Gabriel Plavan, Elena Todirascu-Ciornea, Alin Ciobica, Mircea Nicoara, **Acute exposure to methylmercury chloride induces fast changes in swimming performance, cognitive processes and oxidative stress of zebrafish (Danio rerio) as**

- reference model for fish community**, *Journal of Trace Elements in Medicine and Biology*, Volume 47, May 2018, Pages 115-123
41. Stefan-Adrian Strungaru, Gabriel Plavan, Alin Ciobica, Mircea Nicoara, Madalina Andreea Robea, Carmen Solcan, Elena Todirascu-Ciornea, Adriana Petrovici, **Acute exposure to gold induces fast changes in social behavior and oxidative stress of zebrafish (Danio rerio)**, *Journal of Trace Elements in Medicine and Biology*, Volume 50, December 2018, Pages 249-256
 42. Balmus IM, Ciobica A, Stoica B, Lefter R, Cojocaru SI, Reznikov A: **THE EFFECTS OF OXYTOCIN ADMINISTRATION ON THE OXIDATIVE MARKERS IN THE TEMPORAL LOBE OF AGED RATS**, *Neurophysiology*, Vol. 51, No. 1, January, 2019, 18-24.
 43. LUMINITA DIANA HRITCU, CRISTINA HORHOGEA, ALIN CIOBICA, MIHAELA CLAUDIA SPATARU, CONSTATIN SPATARU, ANNA KIS, **Conceptual Replication of Canine Serum Oxytocin Increase Following a Positive Dog-human Interaction**, *REV.CHIM.(Bucharest)*, 70, No. 5 , 1579- 1581, 2019
 44. Balmus, I.-M.; Lefter, R.; Ciobica, A.; Cojocaru, S.; Guenne, S.; Timofte, D.; Stanciu, C.; Trifan, A.; Hritcu, L. **Preliminary Biochemical Description of Brain Oxidative Stress Status in Irritable Bowel Syndrome Contention-Stress Rat Model**. *Medicina* 2019, 55 (12), 776. doi:10.3390/medicina55120776. IF 1.467. Published: 6 December 2019.
 45. Ioana-Miruna Balmus, Anisia Iuliana Alexa, Roxana-Elena Ciuntu, Ciprian Danielescu, Bogdan Stoica, Sabina Ioana Cojocaru, Alin Ciobica, Alina Cantemir, **Oxidative stress markers dynamics in keratoconus patients' tears before and after corneal collagen crosslinking procedure**, *Experimental Eye Research*, 2020, Published 7 December 2019.
 46. Radu Lefter, Alin Ciobica, Daniel Timofte, Carol Stanciu , Anca Trifan, **A Descriptive Review on the Prevalence of Gastrointestinal Disturbances and their Multiple Associations in Autism Spectrum Disorder**, *Medicina* 2020, 56(1), 11; <https://doi.org/10.3390/medicina56010011>. IF 1.467.
 47. Ovidiu Ilie-Dumitru, Alin Ciobica, Jack McKenna, Bogdan Doroftei , Ioannis Mavroudis, **Mini-review on the relations between gut microflora and Parkinson's disease – further biochemical (oxidative stress), inflammatory and neurological particularities**, *Oxidative Medicine and Cellular Longevity*, Volume 2020, Article ID 4518023, <https://doi.org/10.1155/2020/4518023>, 2020. **IF 4.86**
 48. Ioana – Miruna Balmus, Cojocariu Roxana – Oana, Alin Ciobica, Stefan Strungaru, Roxana Strungaru – Jijie, Alina Cantemir, Catalina Galatanu, Lucian Gorgan, **Preliminary Study on the Tears Oxidative Stress Status and Sleep Disturbances in Irritable Bowel Syndrome Patients**, *Oxidative Medicine and Cellular Longevity*, vol. 2020, Article ID 4690713, 2020, <https://doi.org/10.1155/2020/4690713>. **IF 4.86**.
 49. Alin Ciobica, Padurariu Manuela, Alexandrina Curpan, Iulia Antioch, Roxana Chirita, Cristinel Stefanescu, Alina-Costina Luca and Mihoko Tomida, **Mini-review on the connections between the neuropsychiatric and dental disorders: current perspectives and the possible relevance of oxidative stress and other factors**, *Oxidative Medicine and Cellular Longevity*, Volume 2020, Article ID 6702314, <https://doi.org/10.1155/2020/6702314>, 2020. **IF 5**.
 50. Radu Lefter, Alin Ciobica, Iulia Antioch, Daniela Ababei, Luminita Hritcu, Alina-Costina Luca, **Oxytocin differentiated effects according to the administration route in a prenatal valproic acid-induced rat model of autism**, *Medicina* 2020, 56(6), 267; <https://doi.org/10.3390/medicina56060267>. IF 1,46.
 51. Gabriela Simionescu, Ovidiu-Dumitru Ilie, Alin Ciobica, Bogdan Doroftei, Radu Maftei, Delia Grab, Jack McKenna, Nitasha Dhunna, Ioannis Mavroudis, Emil Anton, **Mini-review on The Possible Interconnections between The Gut-brain Axis and The Infertility-Related Neuropsychiatric Comorbidities**, *Brain Sciences*, 2020, 10, 384; doi:10.3390/brainsci10060384, IF 2,786.

52. Madalina Robea, Ioana – Miruna Balmus, Mircea-Nicuser Nicoara, Stefan-Adrian Strungaru, Gabriel Plavan, Alexandra Savuca, Alin Ciobica, Lucian Dragos Gorgan, **Parkinson’s disease-induced zebrafish models: focusing on oxidative stress implications and sleep processes**, *Oxidative Medicine and Cellular Longevity*, Volume 2020, Article ID 1370837, 15 pages, <https://doi.org/10.1155/2020/1370837>. **IF 5.**
53. Ovidiu-Dumitru Ilie, Roxana-Oana Cojocariu, Alin Ciobica, Sergiu-Ioan Timofte, Ioannis Mavroudis, Bogdan Doroftei, **Forecasting the spreading of COVID-19 across nine countries from Europe, Asia, and the American continent using the ARIMA models**, *Microorganisms*, 2020, 8(8), 1158; <https://doi.org/10.3390/microorganisms8081158>, **IF 4,152.**
54. Antioch, I.; Ilie, O.-D.; Ciobica, A.; Doroftei, B.; Fornaro, M. **Preclinical Considerations about Affective Disorders and Pain: A Broadly Intertwined, yet Often Under-Explored, Relationship Having Major Clinical Implications.** *Medicina* 2020, 56(10), 504; <https://doi.org/10.3390/medicina56100504>. **IF 1.205.**
55. Madalina Andreea Robea, Roxana Jijie, Mircea Nicoara, Gabriel Plavan, Alin Ciobica, Carmen Solcan, Gilbert Audira, Chung-Der Hsiao, Stefan-Adrian Strungaru **Vitamin C attenuates oxidative stress and behavioural abnormalities triggered by fipronil and pyriproxyfen insecticide chronic exposure on zebrafish juvenile**, *Antioxidants*, 2020, 9(10), 944; <https://doi.org/10.3390/antiox9100944> **IF 5,014.**
56. Iulia Antioch, Tsumugu Furuta, Ryutaro Uchikawa, Masayo Okumura, Junichi Otogoto, Eiji Kondo, Norio Sogawa, Alin Ciobica, Mihoko Tomida, **The favorite music controls the pain-related response of the anterior cingulate cortex and the pain threshold on the skin**, *Journal of Pain Research*, 2020:13 2729–2737. **IF 2.386.**
57. Yousra Massaoudi, Jaouad Anissi, Radu Lefter, Andrei Lobiuc, Khalid Sendide, Alin Ciobica, Mohammed El Hassouni, **Protective effects of two halophilic crude extracts from *Pseudomonas zhaodongensis* and *Bacillus stratosphericus* against memory deficits, anxiety- and depression-like behaviors in methionine-induced schizophrenia in mice focusing on oxidative stress status**, *Evidence-Based Complementary and Alternative Medicine*, Volume 2020, Article ID 8852418, <https://doi.org/10.1155/2020/8852418>. **IF 1,81.**
58. Roxana Oana Cojocariu, Ioana Miruna Balmus, Radu Lefter, Daniela Carmen Ababei, Alin Ciobica, Luminita Hritcu, Fatimazahra Kamal, Bogdan Doroftei, **Behavioral and oxidative stress changes in mice subjected to combinations of multiple stressors relevant for irritable bowel syndrome**, *Brain Sciences*, 2020, 10(11), 865; <https://doi.org/10.3390/brainsci10110865>, **IF 3,33.**
59. Ilie, O.-D.; Ciobica, A.; Riga, S.; Dhunna, N.; McKenna, J.; Mavroudis, I.; Doroftei, B.; Ciobanu, A.-M.; Riga, D. **Mini-review on lipofuscin and aging: focusing on the molecular interface, the biological recycling mechanism, oxidative stress, and the gut-brain axis functionality**, *Medicina* 2020, 56(11), 626; <https://doi.org/10.3390/medicina56110626>. **IF 1,2.**
60. Roxana O. Cojocariu, Ioana-Miruna Balmus, Radu Lefter, Luminita Hritcu, Daniela C. Ababei, Alin Ciobica, Simona Copaci, Silvia E.L. Mot, Lucian Copolovici, Dana M. Copolovici, Stefana Jurcoane, **Camelina sativa methanolic and ethanolic extracts potential in alleviating oxidative stress, memory deficits and affective impairments in stress exposure-based irritable bowel syndrome mice models**, *Oxidative Medicine and Cellular Longevity*, Volume 2020, Article ID 9510305, <https://doi.org/10.1155/2020/9510305>. **IF 5.**
61. Ioannis Mavroudis, Foivos Petrides, Dimitrios Kazis, Symela Chatzikonstantinou, Eleni Karantali, Alin Ciobica, Alin-Constantin Iordache, Romeo Dobrin, Constantin Trus, Samuel Njau, Vasiliki Costa, Stavros Baloyannis, **Morphological alterations of the pyramidal and stellate cells of the visual cortex in schizophrenia**, *Experimental and Therapeutic Medicine*, 22: 669, 2021, DOI: 10.3892/etm.2021.10101. **IF 1,785.**

62. Eleni Karantali, Dimitrios Kazis, Vasileios Papavasileiou, Angeliki Prevezianou, Symela Chatzikonstantinou, Foivos Petridis, Jack McKenna, Alina-Costina Luca, Constantin Trus, Alin Ciobica, Ioannis Mavroudis, **Serum BDNF Levels in Acute Stroke: A Systematic Review and Meta-Analysis**, *Medicina*, 2021, 57(3), 297, <https://doi.org/10.3390/medicina57030297>, IF 1,2.
63. Madalina Andreea Robea, Alin Ciobica, Alexandrina-Stefania Curpan, Gabriel Plavan, Stefan Strungaru, Mircea Nicoara, **Preliminary Results regarding Sleep in a Zebrafish Model of Autism Spectrum Disorder**, *Brain Sciences*, 2021, 11(5), 556; <https://doi.org/10.3390/brainsci11050556>, IF 3,33.
64. Roxana Jijie, Gabriela Mihalache, Ioana-Miruna Balmus, Stefan-Adrian Strungaru, Emanuel Stefan Baltag, Alin Ciobica, Mircea Nicoara, Caterina Faggio, **Zebrafish as a screening model to study the single and joint effects of antibiotics**, *Pharmaceuticals*, 2021, **IF 4,286**.

Grants:

- **Director** CNCSIS TD nr. 464/2007–“**Interactiunea dintre sistemele colinergic si catecolaminergic in procesele de invatare si memorare la sobolan**”. Perioada 2007-2008 (180.000 RON).
- **Colaborator** PN II IDEI, 85/2008,“**Impactul unor superantigene de origine bacteriana asupra statusului fiziologic al organismului animal**”. Perioada 2008-2011 (1.000.000 RON).
- -**Colaborator** Grant CEEEX, Nr. 252/2005, „**Caracterizarea unor principii bioactive de origine vegetala si fungica, cu actiune citostatica, imunomodulatoare, metabolica si neurotrofa si valorificarea lor in alimentatia functionala**”. Perioada 2005-2008 (1.500.000 RON).
- – **Colaborator** in cadrul grantului CNCSIS, tip A, Nr. 639/2004, “**Interactiunea dintre sistemele colinergic, catecolaminergic si serotoninergic in procesele de invatare memorie la sobolani**”. Perioada 2004-2006 (104.747 RON).
- Voluntary – Resources pilot centre for cross-border preservation of the aquatic biodiversity of Prut River, Code MIS ETC 1150 – value **EUR 3.254.292**, Duration (dates) 2012-05-07 - 2015-05-07, Leader maria.sava@uaic.ro **Project Partners:** Academy of Sciences of Moldova si Institute of Zoology -- [Moldova]
- **Director - Proiect intern** Universitate “Al. I. Cuza” Iasi, nr. GI-2014-01/din decembrie 2014. **Valoare proiect 20.000 lei=4500 Euro**. “**Studiu referitor la relevanta stresului oxidativ si posibila administrare a unor mimetici pentru antioxidanti enzimatici in cadrul unui model animal de autism**”/”**Studying the possible oxidative stress-induced alterations and enzymatic antioxidants-mimetics administration in an animal model of autism**”.
- **Director** “**STUDIUL COMPLEX PRIVIND RELEVANTA ADMINISTRARII DE OXITOCINA IN UNELE MODELE ANIMALE DE BOLI NEUROPSIHATRICE**”, nr. 120 din 01/10/2015, PN-II-RUTE-2014-4-1886, DURATA 2015 – 2017, 550.000 lei.
- **GRANT INTERNATIONAL – Director (2 PI are leaders of this grant)** “**The Potential Effect of Behavioral Stimulation on Social Competence in Dogs (via Endogenous Oxytocin Release)**” - Bial Foundation for Science- 41.500 Eur, 2016-1017, co-PI with Anna Kis-Hungary.
- **invited professor la Mastumoto University Japonia, in cadrul PROIECTE DE MOBILITATE PENTRU CERCETĂTORI**, Cod proiect: PN-III-P1-1.1-MC-2017-2100, Director de proiect: CIOBICA ALIN STELIAN, Instituție: UNIVERSITATEA MATSUMOTO JAPONIA, Data începere deplasare: 7.03.2018 Data încheiere deplasare: 21.03.2017, Valoare total decontată (lei) 21784,69 lei.
- **Director– “STUDIUL COMPLEX PRIVIND INTERACTIUNILE DINTRE STATUSUL STRESULUI OXIDATIV, PROCESELE INFLAMATORII SI MANIFESTARILE NEUROLOGICE IN PATOFIZIOLOGIA COLONULUI IRTABIL (MODELE ANIMALE SI PACIENTI UMANI) “**, NR. 58 DIN 02/05/2018, (PN-III-P1-1.1-TE-2016-1210), DURATA 2018 – 2020, **448.355,00 LEI**.

- **Member** – CS II – in cadrul proiectului “Evaluari complexe ale poluantilor prioritari din diverse matrici de utilizare a apei si identificarea riscurilor asupra ecosistemelor si sanatatii umane” nr. 26PCCDI/1.03.2018.
- **PN-III-P1-1.1-MC-2018-2766**, CIOBICA ALIN UNIVERSITATEA "ALEXANDRU IOAN CUZA" IASI, DOMENIUL SĂNĂTATE, - in cadrul proiectului pentru sustinereA orala in cadrul “18th WPA World Congress of Psychiatry, Mexico City, 27-30 September 2018” intitulata “**CURRENT KNOWLEDGE ON THE CONNECTIONS BETWEEN NEUROPSYCHIATRIC AND DENTAL DISORDERS: PERSPECTIVES, POSSIBLE RELEVANCE OF OXIDATIVE STRESS, PAIN, MUSIC OR IRRITABLE BOWEL SYNDROME AND POSSIBLE APPROACHES**”, coautorat cu Prof. Tomida de la Universitatea din Mastumoto Japonia, 9163 LEI.