

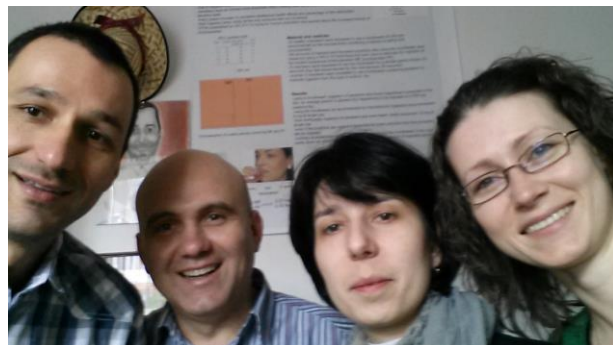
**Student research group on nitric oxide, antioxidants, food and other toxicological  
and biopharmaceutical issues  
Academic year 2017-2018**

**Acronym: NOAFTB**

**Permanent members:**

Head of the group:  
Associate professor dr. Croitoru Mircea Dumitru

Associate professor dr. Fülöp Ibolya  
Teaching assistant Fogarasi Erzsébet (Ph.D. student)  
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**Students currently  
involved:**

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Ionica Iustina  
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Keresztes Henrietta  
Bakó Noémi  
Lakó Brigitta-Dóra



**Research topics:**

- determination of amitraze from biological matrice: bees, honey.
- determination of aluminiu from food products: green tee, black tee, fruit tee
- establishing the toxicity differences between old and new ways to smoke a cigarete
- development of new methods in measuring biomarkers of the oxidative stress
- bioactivation of nitrate in pickles
- possibility of using medicinal opioid as recreational products
- scopolamine measurement in several easily available herbs
- content of highly lipophilic compounds in cosmetic products

**Research infrastructure (relevant items):** HPLC-UV, LC-MS/MS, GC-FID, biofacilities (for experiments on animals)

**Relevant *in extenso* ISI articles of the research team (as main authors: first author, corresponding author and last author; \*students):**

1. Mircea Dumitru Croitoru, Ibolya Fülöp, Maria-Raluca Irimia-Constantin, Erzsébet Varga, Hajnal Kelemen, Erzsébet Fogarasi, Luana-Maria Faliboga, The Risk of Using Poppy Seed Tea Made from Several Varieties Available on the Romanian Market, *Acta Medica Marisiensis* 2017, 63(2):62-65
2. Mircea Dumitru Croitoru, Amalia Miklos\*, Erzsébet Fogarasi, Maria Margareta Coman, Ibolya Fülöp, Evaluation Of The Ingestion Of Parabens During The Use Of Dental Care Products By Healthy Human Volunteers, *Farmacia* 2016(4):594-598
3. Croitoru M.D. Fülöp I. Miklos A. Hosszu B. Tătar V.L. Muntean D.L. Presence of nitrate and nitrite in vegetables grown for self-consumption, *Farmacia* 2015, 63(4): 530-533, FI 1,251 (2013)
4. Fülöp I. Gyéresi A. Deli M.A. Kiss L. Croitoru M.D. Szabó-Révész P.\* Aigner Z. Ternary solid dispersions of oxicams: dissolution and permeability study, *Farmacia* 2015, 63(2):286-295, FI 1,251 (2013), corresponding author
5. Croitoru M.D. Szénási D.A.\* Fülöp I. Presence of nitrate and nitrite in cow forage, plasma and milk. *Acta Aliment Hung* 2015, DOI: 10.1556/AAlim.44.2015.1.6, ISSN 1588-2535, FI: 0,427 (2013/2014)
6. Croitoru M.D. Muntean D.L. Fülöp I. Modroiu A.\* Growing patterns to produce 'nitrate-free' lettuce (*Lactuca sativa*). *Food Addit Contam A* 2015, 32(1): 80-86, ISSN: 1944-0057, FI: 2,341 (2013/2014)
7. Fülöp I. Bobeş D.\* Croitoru M.D. Barbu C.G. Influence of sugar and sweeteners on mouse body weight, stress-induced body weight changes and life expectancy. *Farmacia* 2014, 62(2): 376-389, ISSN 2065-0019, FI: 1,251 (2013)
8. Croitoru M.D. Fülöp I. Pop M.C.\* Dergez T. Mitroi B. Dogaru M.T. Tőkés B. Nitrones are able to release nitric oxide in aqueous environment under hydroxyl free radical attack. *Nitric Oxide - Biol Ch* 2011, 25: 309-315, ISSN 1089-8603, FI: 3,548

9. Croitoru M.D. Fülöp I. Kincses Ajtay M. Balogh C.\* Dogaru M.T. Direct HPLC-UV determination of cyclamate, saccharine and aspartame from soft drinks. Acta Aliment Hung 2011, 40(4): 459-465, ISSN 1588-2535, FI: 0,444
10. Croitoru M.D. Fülöp I. Kincses Ajtay M. Dudutz G. Crăciun O.\* Dogaru M.T. Glutamate determination in foodstuffs with a very simple HPLC-UV method. Acta Aliment Hung 2010, 39(2): 239-247, ISSN 1588-2535, FI: 0,379

**Student's participation at scientific meetings (<http://marisiensis.ro/>)**

1. Faliboga L, Why oxidative stress is not considered a disease?, Marisiensis 2015.
2. Căliman M, Preventing the recreational use of OTC containing analgesic products, International Scientific Congress for Students, Young Physicians and Pharmacists Marisiensis 2015.
3. Zecheru L, Method for screening organic estrogens in biological samples from pregnant women, International Scientific Congress for Students, Young Physicians and Pharmacists Marisiensis 2014.
4. Santa DF, Toxicologically important byproducts of nitrate formed in fermented cheese, International Scientific Congress for Students, Young Physicians and Pharmacists Marisiensis 2014.
5. Cotârlan R, Nitrones have the potential to become the next generation of anti-ischemic agents, Marisiensis 2013.
6. Modroiu A, Is it really necessary for nitrate to be present in high amounts in lettuce?, International Scientific Congress for Students, Young Physicians and Pharmacists Marisiensis 2013.
7. Zaharia M, Content of ephedrine and caffeine of some natural herbal supplement recommended for a weight loss program, International Scientific Congress for Students, Young Physicians and Pharmacists, Marisiensis 2012.