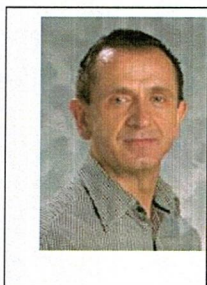


## CURRICULUM VITAE



### DATE PERSONALE

|         |                                  |
|---------|----------------------------------|
| Nume    | COVAȘĂ MIHAI                     |
| Adresă  | Str. Ana Ipatescu Nr.10, Suceava |
| Telefon | +40 230 216 147 int. 595         |
| Fax     |                                  |
| E-mail  | mcovasa@usm.ro                   |

|                |        |
|----------------|--------|
| Naționalitatea | Română |
|----------------|--------|

### STUDII PREUNIVERSITARE

|                                 |                        |
|---------------------------------|------------------------|
| • Perioada                      | 1972-1976              |
| • Instituția de învățământ      | Liceul Agricol Rădăuți |
| • Profilul                      | zootehnie              |
| • Diploma obținută la absolvire | Bacalaureat            |

### STUDII UNIVERSITARE

|                               |  |
|-------------------------------|--|
| • Perioada                    | 1977-1981                                      |
| • Instituția de învățământ    | Institutul Agronomic Iași                      |
| • Specializarea               | Facultatea de zootehnie și medicină veterinară |
| • Titlul obținut la absolvire | Inginer  |

### STUDII POSTUNIVERSITARE

|                               |  |
|-------------------------------|--|
| • Perioada                    |  |
| • Instituția de învățământ    |  |
| • Specializarea               |  |
| • Titlul obținut la absolvire |  |

### MASTERAT

|                                   |  |
|-----------------------------------|--|
| • Perioada                        | 1991-1992  |
| • Instituția de învățământ        | Leeds University, Anglia   |
| • Domeniul                        | Fiziologie și Nutriție   |
| • Denumirea programului de studiu | Nutriție și comportamentul alimentar influențat de colecistokinină |

### DOCTORAT

|  |  |
|--|--|
| • Instituția de învățământ coordonatoare | Leeds University, Anglia                           |
| • Domeniul de doctorat                   | Fiziologie și Nutriție                             |
| • Titlul tezei de doctorat               | Rolul colecistokininei în comportamentul alimentar |
| • Anul susținerii tezei                  | 1994   |
| • Titlul obținut la absolvire            | Doctor in Științe                                  |

### ALTE STUDII / STAGII DE PREGĂTIRE

|              |   |
|--------------|---|
| • Perioada   | 1996-1998   |
| • Instituția | Washington State University, Facultatea de Fiziologie și Farmacologie |

|                                   |                         |
|-----------------------------------|-------------------------|
| • Denumirea programului de studii | Program de Neuroștiințe |
| • Calificarea obținută            | Studii postdoctorale    |

### ACTIVITATEA PROFESIONALĂ

|   |   |
|---|---|
| • Perioada                                    | 1981-1988   |
| • Locul de muncă                              | Avicola, Suceava  |
| • Domeniul de activitate                      | Nutritie/reproducție  |
| • Funcția                                     | Șef de unitate  |
| • Principalele activități și responsabilități | Coordonator și responsabil al întregii activități de producție și de personal |
| • Domenii de competență:                      | Administrație, nutriție, reguli sanitare veterinare                           |

|   |  |
|---|--|
| • Perioada                                    | 1989-1991  |
| • Locul de muncă                              | Direcția Agricolă, Suceava   |
| • Domeniul de activitate                      | Industria animală  |
| • Funcția                                     | Inginer principal  |
| • Principalele activități și responsabilități | Coordonator și responsabil al activității de producție și produse animale pe județ |
| • Domenii de competență:                      | Administrație, producție și produse animale, nutriție                              |

|   |  |
|---|--|
| • Perioada                                    | 1991-1995  |
| • Locul de muncă                              | University of Leeds, Anglia                                    |
| • Domeniul de activitate                      | Cercetare  |
| • Funcția                                     | Asistent în cercetare  |
| • Principalele activități și responsabilități | Cercetare de bază, asistat studenți în cercetarea de laborator |
| • Domenii de competență:                      | Fiziologie și Nutriție   |

|   |  |
|---|--|
| • Perioada                                    | 1995-1996                                    |
| • Locul de muncă                              | Champion Feed Services, Edmonton, Canada     |
| • Domeniul de activitate                      | Consultații în Nutriție                      |
| • Funcția                                     | Consultant în Nutriție                       |
| • Principalele activități și responsabilități | Nutriție, consultații în formule de nutriție |
| • Domenii de competență:                      | Nutriție                                     |

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|---|--|
| • Perioada                                    | 2009-2015  |
| • Locul de muncă                              | INRA, Divizie Nutritie Umana, Paris, France  |
| • Domeniul de activitate                      | Cercetare de bază și aplicată  |
| • Funcția                                     | Director de cercetare  |
| • Principalele activități și responsabilități | Director de laborator, șef de grup, cercetare, coordonare programe de cercetare, îndrumare cercetători, studenți master și doctorat. |
| • Domenii de competență:                      | Nutriție, Fiziologie, Neuroștiințe, Microbiologie  |

### ACTIVITATEA DIDACTICĂ ÎN ÎNVĂȚĂMÂNTUL SUPERIOR

|   |   |                      |
|---|---|----------------------|
| • Perioada                                    | 1991-1994   |                      |
| • Locul de muncă                              | University of Leeds, Anglia   |                      |
| • Gradul didactic                             | Asistent doctorand  |                      |
| • Principalele activități și responsabilități | • cursuri susținute:  | Endocrinologie       |
|   | • seminarii și laboratoare:   | Fiziologie           |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) | Masterat și doctorat |

|            |           |
|------------|-----------|
| • Perioada | 1996-2002 |
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|  |   |                          |
|--|---|--------------------------|
| • <b>Locul de muncă</b>                              | Washington State University, SUA  |                          |
| • <b>Gradul didactic</b>                             | Lector Universitar  |                          |
| • <b>Principalele activități și responsabilități</b> | • cursuri susținute:  | Nutriție Clinică         |
|  | • seminarii și laboratoare:   | Fiziologie, Neuroștiințe |
|  | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) | Postdoctorat             |

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|--|---|---|
| • <b>Perioada</b>                                    | 2002-2009   |   |
| • <b>Locul de muncă</b>                              | The Pennsylvania State University, Facultatea de Nutriție Umană |   |
| • <b>Gradul didactic</b>                             | Conferențiar Universitar  |   |
| • <b>Principalele activități și responsabilități</b> | • cursuri susținute:  | <p><b>NUTR 251: Principii introductive în nutriție.</b> Curs de 3 credite, predat în fiecare semestru și în sesiunile de vară, unui număr de studenți variind de la 200 la 300. Cursul cuprinde prezentarea nutrienților: surse alimentare ale nutrienților și funcțiile fiziologice legate de creșterea și dezvoltarea umană pe tot parcursul vieții; probleme nutriționale actuale</p> <p><b>NUTR 452: Aspecte nutriționale ale bolilor.</b> Curs de 3 credite, pentru studiile de doctorat. Acesta cuprinde tulburările metabolice în procesele de boală la oameni; principii nutriționale în terapie. Obezitate și metabolismul energetic, Boli gastrointestinale, Diabet, Cancer, Erori înnăscute de metabolism, Boli cardiovasculare, Boli renale.</p> <p><b>NUTRN 581 (4cr): Curs de doctorat în metabolismul nutrienților.</b> Cuprinde: metabolismul „combustibilului” și balanța energetică.</p> <p><b>PHYSIO 581 (3cr): Curs de doctorat în fiziologie:</b> Cuprinde fiziologia gastrointestinală.</p> <p><b>BIOL 469: Neurobiologie (3 cr).</b> Cursul cuprinde: Examinarea completă a neuroanatomiei și fiziologiei, conceput pentru integrarea principiilor neurochimiei, neuroendocrinologiei și biologiei moleculare.</p> |
|  | • seminarii și laboratoare:                                     | <p><b>NUTR 551:</b> Seminar -Comportamentul alimentar. Se adresează doctoranzilor cu interes în comportamentul alimentar.</p> <p><b>NUTR 296 and NUTR 496.</b> Studii independente în Fiziologie și Neuroștiințe Nutriționale. Conducerea cercetărilor efectuate în laboratorul propriu a studenților de la licență și altor studenți recomandați . Coordonarea lucrărilor de cercetare pentru studenți de onoare.</p> <p><b>PSU014:</b> Seminar- Probleme de nutriție contemporane. Este conceput pentru a introduce studenții în aspectele contemporane ale nutriției. Acesta facilitează adaptarea studenților la viața academică și contruiește o bază solidă pentru success.</p>   |

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|--|---|--|
|  | <ul style="list-style-type: none"> <li>• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)</li> </ul> | <p><b>Coordonator lucrări de dizertație și doctorat</b></p> <p>Chun-Yi Hung M.Sc.– Dec. 2005 “Role of NMDA receptor competitive antagonist AP-5 on food intake”</p> <p>David Savastano Ph.D --Dec. 2005 “Serotonin type-3 receptor participation in nutrient-induced satiation”</p> <p>Matthew Hayes Ph.D -- May 2006 “CCK and serotonin interact to control intake: participation of 5-HT3 receptors”</p> <p>Bart DeJonghe Ph.D – May 2006 “Altered stimulatory and inhibitory feedback signals contributes to hyperphagia in CCK-1 receptor deficient OLETF rat.”</p> <p>Doug Guard MSc – May 2008 “NMDA receptors containing NR2B and/or NR2A subunits control food intake in the rat”</p> <p>Timothy Swartz MSc – May 2009 “Deficits in feeding and vagal responses in two rat models of obesity”</p> <p>Timothy Swartz Ph.D “Oral and post-oral determinants in obesity”.</p> <p>Frank Duca Ph.D. “Reduced sensitivity to satiation signals in control of food intake”.</p> <p><b>Coordonator lucrări de licență</b></p> <p>Melissa Carelle May 2004 “5-HT3 participation in carbohydrate induced satiation”</p> <p>Carmine DiMartino August 2004 “Brief intermittent access to sucrose differentially modulates prepulse inhibition and acoustic startle response in obese CCK-1 receptor deficient rats”</p> <p>Fiona Chory December 2005 “Decreased sensitivity to serotonin after chronic dietary fat”</p> <p>Brad Mathers: May 2008 “NMDA participation in control of food intake”.</p> <p>Eric Ahlers: May 2009 “Vagal contribution to glutamate modulation of food intake”.</p> <p>Christopher Carusso May 2009 NMDA subunit receptors in control of food intake</p> |
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|---|---|---|
| • Perioada                                    | 2010  |   |
| • Locul de muncă                              | AgroParisTech, Paris, France, Facultatea de Nutriție Umană                            |   |
| • Gradul didactic                             | Profesor  |   |
| • Principalele activități și responsabilități | • cursuri susținute:  |   |
|   | • seminarii și laboratoare:   | Curs de comportament alimentar. Comunicarea dintre creier și tubul digestiv în controlul consumului alimentar. Curs de doctorat. (3 cr) |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) | Program Masterat<br>Conducator doctorat   |

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|---|---|--|
| • Perioada                                    | 2010  |  |
| • Locul de muncă                              | Sorbonne University Paris, France, Fiziologie și Fiziopatologie                       |  |
| • Gradul didactic                             | Conducator de doctorat. Profesor  |  |
| • Principalele activități și responsabilități | • cursuri susținute:  |  |
|   | • seminarii și laboratoare:   | Nutriția și sănătatea: Semnale care controlează consumul de alimente și balanța energetică. Curs de doctorat (3 cr). |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) | Program Masterat<br>Conducator doctorat  |

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|---|---|---|
| • Perioada                                    | 2010  |   |
| • Locul de muncă                              | Universitatea Ștefan cel Mare, Suceava  |   |
| • Gradul didactic                             | Profesor (invitat), Facultatea de Industrie Alimentara                                |   |
| • Principalele activități și responsabilități | • cursuri susținute:  | Aspecte nutriționale ale bolii (curs de masterat)<br>Factori de risc în nutriția umană (curs de masterat) |
|   | • seminarii și laboratoare:   |   |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) |   |

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|---|---|---|
| • Perioada                                    | 2010-prezent  |   |
| • Locul de muncă                              | Western University of Medical Sciences, College of Osteopathic Medicine               |   |
| • Gradul didactic                             | Profesor titular de Fiziologie  |   |
| • Principalele activități și responsabilități | • cursuri susținute:  | Fiziologie gastrointestinală, Neuroștiințe, Fiziologia sistemului osos și muscular. |
|   | • seminarii și laboratoare:   |   |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) |   |

|   |   |  |
|---|---|--|
| • Perioada                                    | 2012-2021   |  |
| • Locul de muncă                              | Universitatea „Ștefan cel Mare” Suceava, România                                      |  |
| • Gradul didactic                             | Profesor universitar, Director, Departament sanatare si dezvoltare umana              |  |
| • Principalele activități și responsabilități | • cursuri susținute:  | Bazele nutriției, Nutriție și dietetică, |
|   | • seminarii și laboratoare:   | Bazele nutriției                         |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) |  |

|   |   |  |
|---|---|--|
| • Perioada                                    | 2021-prezent  |  |
| • Locul de muncă                              | Universitatea „Ștefan cel Mare” Suceava, România, Facultatea de Medicină și Științe Biologice |  |
| • Gradul didactic                             | Profesor universitar, Decan Facultatea de Medicina si Stiinte Biologice                       |  |
| • Principalele activități și responsabilități | • cursuri susținute:  | Bazele nutriției, Evaluare nutrițională, Educația nutrițională |
|   | • seminarii și laboratoare:   | Bazele nutriției   |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)         |  |

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|---|---|--|
| • Perioada                                    | 2017-prezent  |  |
| • Locul de muncă                              | Universitatea de Medicina si Farmacie „Grigore T. Popa” Iasi                          |  |
| • Gradul didactic                             | Profesor, conducator doctorat Domeniul Medicina                                       |  |
| • Principalele activități și responsabilități | • cursuri susținute:  |  |
|   | • seminarii și laboratoare:   |  |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) |  |

|   |   |   |
|---|---|---|
| • Perioada                                    | 2021-prezent  |   |
| • Locul de muncă                              | Mohammed VI University of Sciences and Health, Maroc                                  |   |
| • Gradul didactic                             | Profesor universitar invitat, Facultatea de Medicina                                  |   |
| • Principalele activități și responsabilități | • cursuri susținute:  | Gastrointestinal Physiology, Endocrine Physiology, Neurophysiology, Muscular Physiology |
|   | • seminarii și laboratoare:   |   |
|   | • Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele) |   |

### ACTIVITATEA ȘTIINȚIFICĂ

|                   |  |  |
|-------------------|--|--|
| <b>PUBLICAȚII</b> | <ul style="list-style-type: none"> <li>• Cărți în edituri cotate CNCSIS</li> </ul> | <b>CAPITOLE DE CARTE</b> <ol style="list-style-type: none"> <li>1. Covasa, M. Post-absorptive endocrine factors controlling food intake and regulation of body adiposity: animal research. In R.B.S. Harris and R.D. Mattes (eds). Appetite and Food Intake: Behavioral and Physiological Considerations. Taylor&amp;Francis, 2008.</li> <li>2. Covasa, M. &amp; Ritter, R.C. Satiating in response to macronutrient signals from the intestine: mechanisms and implications for macronutrient selection. In H.R. Berthoud and R.J. Seeley (eds.): Neuronal control of macronutrient selection. CRC Press, Boca Raton, 1999.</li> <li>3. Covasa, M &amp; Swartz, T.D. The role of cholecystokinin (CCK) in eating behaviour. In Victor R. Preedy (Ed) Handbook of Behavior, Diet and Nutrition. Springer 2011.</li> <li>4. Covasa, M &amp; Swartz, T.D. The role of ghrelin in eating behaviour. In. Victor R. Preedy (Ed).. Handbook of Behavior, Diet and Nutrition. Springer 2011.</li> <li>5. Covasa, M &amp; Swartz, T.D. The role of glucagon-like-peptide-1 (GLP-1) in eating behaviour. In. Victor R. Preedy (Ed). Handbook of Behavior, Diet and Nutrition. Springer 2011.</li> <li>6. Duca, F. Gérard-P. Covasa, M. Lepage, P. The metabolic interplay between gut bacteria and their host. Frontiers of Hormone Research. S. Karger Publishers, Basel, Switzerland, 2014.</li> <li>7. Ovidiu Schipor, Oana Geman, Iuliana Chiuchisan and Mihai Covasa (2016). From Fuzzy Expert System to Artificial Neural Network: Application to Assisted Speech Therapy, Artificial Neural Networks - Models and Applications, Dr. Joao Luis Garcia Rosa (Ed.), InTech, DOI: 10.5772/63332..</li> </ol> |
|-------------------|--|--|

• Cursuri  
tipărite,  
îndrumare,  
antologii  
etc.

#### ARTICOLE DE SINTEZA

1. Constantinescu-Bercu A, Lobiuc A, Căliman-Sturdza OA, Oiță RC, Iavorschi M, Pavăl NE, Șoldănescu I, Dimian M, Covasa M. Long COVID: Molecular Mechanisms and Detection Techniques. *Int J Mol Sci*. 25(1): 408, 2023
2. Șoldănescu I, Lobiuc A, Covasa M, Dimian M. Detection of Biological Molecules Using Nanopore Sensing Techniques. *Biomedicines* 11(6):1625, 2023.
3. Hamamah S, Amin A, Al-Kassir AL, Chuang J, Covasa M. Dietary Fat Modulation of Gut Microbiota and Impact on Regulatory Pathways Controlling Food Intake. *Nutrients* 15(15):3365, 2023.
4. Flaig B, Garza R, Singh B, Hamamah S, Covasa M. Treatment of Dyslipidemia through Targeted Therapy of Gut Microbiota. *Nutrients* 15(1):228, 2023.
5. Hamamah S, Gheorghita R, Lobiuc A, Sirbu IO, Covasa M. Fecal microbiota transplantation in non-communicable diseases: Recent advances and protocols. *Front. Med.* 9:1060581, 2022.
6. Gheorghita Puscaselu R, Lobiuc A, Sirbu IO, Covasa M. The Use of Biopolymers as a Natural Matrix for Incorporation of Essential Oils of Medicinal Plants. *Gels* 8(11):756, 2022.
7. Hamamah S, Hajnal A, Covasa M. Impact of Nutrition, Microbiota Transplant and Weight Loss Surgery on Dopaminergic Alterations in Parkinson's Disease and Obesity. *Int J Mol Sci* 23(14):7503, 2022.
8. Luchian, I., Goriuc, A., Sandu, D., Covasa, M. The role of matrix metalloproteinases (MMP-8, MMP-9, MMP-13) in periodontal and peri-implant pathological processes. *Int. J. Mol. Sci* 23(3):1806, 2022.
9. Singh, B., Eshaghian, E., Chuang, J., Covasa, M. (2022) Do Diet and Dietary Supplements Mitigate Clinical Outcomes in COVID-19? *Nutrients* 14(9): 1909.
10. Lupaescu, A.V., Iavorschi, M., Covasa, M. (2022) The use of bioactive compounds in hyperglycemia- and amyloid fibrils-induced toxicity in type 2 diabetes and Alzheimer's disease. *Pharmaceutics* 14(22):235.
11. Hamamah, S., Aghazarian, A., Nazaryan, A., Hajnal, A., Covasa, M. Role of microbiota-gut-brain axis in regulating dopaminergic signaling. *Biomedicines* 10(2):436, 2022.
12. Iatcu, C.O., Steen, A., Covasa, M. Gut microbiota and complications of Type-2 diabetes. *Nutrients* 14(1):2729, 2021.
13. Luchian, I., Goriuc, A., Sandu, D., Covasa, M. The role of matrix metalloproteinases (MMP-8, MMP-9, MMP-13) in periodontal and peri-implant pathological processes. *Int. J. Mol. Sci* 23(3):1806, 2022.
14. Hamamah, S., Aghazarian, A., Nazaryan, A., Hajnal, A., Covasa, M. Role of microbiota-gut-brain axis in regulating dopaminergic signaling. *Biomedicines* 10(2):436, 2022.
15. Leung, R.; Covasa, M. Do gut microbes taste? *Nutrients* 13(8): 2581, 2021
16. Iatcu, C.O., Steen, A., Covasa, M. Gut microbiota and complications of Type-2 diabetes. *Nutrients* 14(1):2729, 2021.
17. Gheorghita, R.; Anchin-Norocel, L.; Filip, R.; Dimian, M.; Covasa, M. Applications of Biopolymers for Drugs and Probiotics Delivery. *Polymers* 13(16), 2729, 2021,
18. Luchian I, Goriuc A, Martu MA, Covasa M. Clindamycin as an Alternative Option in Optimizing Periodontal Therapy. *Antibiotics (Basel)*. 10(7):814, 2021.
19. Gheorghita Puscaselu R, Lobiuc A, Dimian M, Covasa M. Alginate: From Food Industry to Biomedical Applications and Management of Metabolic Disorders. *Polymers (Basel)* 12(10):2417, 2020.
20. Napolitano M, Covasa M. Microbiota Transplant in the Treatment of Obesity and Diabetes: Current and Future Perspectives. *Front Microbiol.*11:590370, 2020, doi: 10.3389/fmicb.2020.590370.
21. Arhire LI, Mihalache L, Covasa M. Irisin: A Hope in Understanding and Managing Obesity and Metabolic Syndrome. *Front Endocrinol (Lausanne)*10:524, 2019.
22. Orellana ER, Covasa M, Hajnal A. Neuro-Hormonal Mechanisms Underlying Changes in Reward Related Behaviors Following Weight Loss Surgery: Potential Pharmacological Targets. *Biochem Pharmacol.* pii: S0006-2952(19)30129-7, 2019
23. Covasa, M., Stephens, R., W., Todorean, T., Cobuz, C. Intestinal sensing by gut microbiota: targeting gut peptides. *Front. Endocrinol.* 10:82, 2019.
24. Mazloom, K., Siddiqi, I., Covasa, M. Probiotics: How effective are they in the fight against obesity. *Nutrients* 11(2):258, 2019.
25. Stephens, R.W., Arhire L., Covasa, M. Gut Microbiota: From microorganisms to metabolic organ influencing obesity. *Obesity* 26: 801-809, 2018.
26. Zhong L, Zhang X, Covasa M. Emerging roles of lactic acid bacteria in protection against colorectal cancer. *World J Gastroenterol.* 20: 7878-7886, 2014.

|   |   |   |
|---|---|---|
|   | <ul style="list-style-type: none"> <li>• Lucrări științifice (maxim 5 titluri)</li> </ul> | <p><b>(din totalul de peste 100 de lucrări științifice)</b></p> <ol style="list-style-type: none"> <li>1. Lobiuc A., Sterbuleac, D., Sturdza O., Covasa, M. (2021). A Conservative Replacement in the Transmembrane Domain of SARS-CoV-2 ORF7a as a Putative Risk Factor in COVID-19. <i>Biology</i> 10:1276.</li> <li>2. Lobiuc A, Dimian M, Gheorghita R, Sturdza O, Covasa M. (2021), Introduction and Characteristics of SARS-CoV-2 in North-East of Romania During the First COVID-19 Outbreak. <i>Front Microbiol.</i> 12:654417, 2021</li> <li>3. Wang, J.; Dong, X.; Cao, L.; Sun, Y.; Qiu, Y.; Zhang, Y.; Cao, R.; Covasa, M.; Zhong, L. (Association between telomere length and diabetes mellitus: A meta-analysis. <i>Journal of International Medical Research</i> 44(6): 1156-1173, 2016.</li> <li>4. Duca FA, Katebzadeh S, Covasa M. Impaired GLP-1 signaling contributes to reduced sensitivity to duodenal nutrients in obesity-prone rats during high-fat feeding <i>Obesity (Silver Spring)</i> 11 :2260-8, 2015.</li> <li>5. Duca FA, Swartz TD, Covasa M. Effect of diet on preference and intake of sucrose in obese prone and resistant rats. <i>PLoS One.</i> 9(10):e111232, 2014.</li> </ol>  |
| <p><b>PROIECTE DE CERCETARE</b></p>   |   | <ol style="list-style-type: none"> <li>1. Pro-USV-Biom, MCDI (Co-PI) 2022-2024. Increase performance in research, development and innovation in bioeconomics; \$1,420,000.</li> <li>2. Interdisciplinary research laboratory for food safety within regional cluster of development and innovation in bioeconomy (Co-PI) 2022-2025, \$1,000,000.</li> <li>3. PN-III-P2-2.1-SOL-2020-0142 Secvențierea genomului SARS-CoV-2 și analiza filogenetică a tulpinilor circulante în România; 2020-2022, director proiect.</li> <li>4. Personalized prevention tools in obesity and diabetes, a joint Romanian-Ukrainian program of health education. 2SOFT/4.1/56; 2020-2022, director proiect.</li> <li>5. PCE-2012-4-0608 IDEI 2012-2016. Analiza unor noi factori de risc ce influențează controlul ingestiei alimentelor și reglarea greutății corpului; director proiect.</li> <li>6. 423-12 (RO1-DK52849-05) July 2008- Iunie 31, 2013. Grand Total \$1, 860,448. NIDDK/DDDN. Total subcontracting to my laboratory: \$350,500. This is a collaborative grant between my laboratory and Washington State University. The role of glutamate in the control of food intake</li> <li>7. French Institute of Agricultural Research. 2009-2013. Grand Total \$600,000. The role of microbiota in control of food intake and energy homeostasis. Director proiect.</li> <li>8. 423-12 55JT (RO1-DK065709-01) 2011-2016. Dopamine mechanisms in development of type-2 diabetes. Director proiect.</li> <li>9. POC nr. 120/16.09.2016 /Analiza interrelației dintre microbiota intestinală și gazdă cu aplicații în prevenția și controlul diabetului de tip 2 (acronim: microdiab); Director proiect.</li> <li>10. 5-HT3 receptor mediation of 5-HT and CCK-induced satiation. F31 NS 051868 (M. Hayes, Sponsor: Covasa) NIH/NINDS 06/01/2005 – 05/31/2008. The major goal of this project is to identify the gastric involvement of 5HT-3 receptors mediation of cholecystokinin-induced satiation.</li> <li>11. NCI 25XS101. National Cancer Institute (PI: T. Hartman, Co-PI: M. Covasa). 9/05- 9/07. The effects of a high legume low glycemic index diet on insulin resistance and inflammation in patients at high risk for colorectal adenoma recurrence. National Cancer Institute, NIH. 2006 costs - \$175000; total costs - \$400000. Role:Co-PI</li> <li>12. The Pennsylvania State University, College of Health and Human Development. Mihai Covasa (PI) 01/01/03-12/31/03. \$14,985. Reduced sensitivity to satiation signals.</li> <li>13. 2008-2009 Social Science Institute, The Pennsylvania State University, Total \$55,000. PI: David Vandenberg. Role Co-PI. Nicotine's Effects on Obesity and Addiction in a Mouse Model. "Are Agouti Mice a Canary-in-the-Coal-Mine of Obesity and Addiction Research?"</li> <li>14. PA Department of Health. Tobacco Formula Funded Health Research. 2003-2006, Total \$ 230, 861. PI: R. Norgren, Role Co-PI. Consortium on Nutritional Neuroscience.</li> </ol> |
| <p><b>MEMBRU ÎN COMITETE ȘTIINȚIFICE</b><br/>(reviste, congrese, simpozioane)</p> |   | <ol style="list-style-type: none"> <li>1. Academic Editor PLOS ONE</li> <li>2. Academic Editor American Journal of Physiology</li> <li>3. Academic Editor Nutrients</li> <li>4. Academic Editor Frontiers in Physiology</li> </ol>  |

**ARTICOLE PUBLICATE CU FACTOR DE IMPACT (peer reviewed)**



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## **REZUMATE SI ARTICOLE PREZENTATE LA CONFERINTE**

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## APARTENENȚA LA ORGANIZAȚII ȘI ASOCIAȚII PROFESIONALE

### Membru în Societăți Profesionale

#### a. Organizații Naționale

- Societatea pentru Studiul Comportamentului alimentar
- Societatea pentru Neuroștiințe
- Societatea Americană de Fiziologie
- Societatea Americană pentru Științe Nutriționale
- Societatea de Științe în Nutriție (vicepresedinte)

#### b. Universitatea de Stat din Pennsylvania

- Membru al Institutului de Științe ale Vieții
- Inițiativa privind Obezitatea Infantilă în Pennsylvania
- Grup țintă: Alumni în clasă
- Membru în Consorțiul Neuroștiințelor Nutriționale
- Membru al Institutului de Neuroștiințe
- Institutul de Diabet și Obezitate din Pennsylvania

#### Membru al facultății în următoarele programe:

- Program de Doctorat în Științe Nutriționale (2002-2009)
- Program de Doctorat în Fiziologie (2002-2009)
- Program de Doctorat în Neuroștiințe (2006-2009)
- Nutrition Sciences Option of the IBIOS (2002-2006)
- Neuroscience of the IBIOS (2002-2006)

#### c. Internațional

- University of Sorbonne, Paris, France
- Program de Doctorat în Fiziologie
- Comitet Științific al Evaluării. Universitatea „Ștefan cel Mare”, Suceava, România
- Consiliul Științific Consultativ, Institutul Național de Cercetare-Dezvoltare pentru Bioresurse Alimentare, București, România



## **SPECIALIZĂRI ÎN STRĂINĂTATE**

### **Participare la seminarii și workshopuri Dezvoltare Didactică**

#### **2009-2010**

- Săturare și sațietate. Workshop. Ecully, Lyon, France
- Nutriție și Sănătate. Workshop. Praz-Sur-Arly, France
- Alimentație și sănătatea tubului digestiv. Workshop. Institutul de Cercetări Alimentare, Norwich, UK.

#### **2008**

- Wednesday, January 23: "Generational differences between learners", offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Tuesday, March 18: Just a Clicker away: Using clickers to improve student learning, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, March 27 Being There - Human to Human Interaction in the Classroom, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, April 16, E-communicating with students: Are social sites impacting educational communication? offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, September 17, What Can I Do? Addressing Classroom Management Issues, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, October 9, Critical Reading: Strategies that Encourage Students to Read, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, November 13, Recognizing and Helping Students in Distress, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, December 3, Teaching and Learning with Assertion-Evidence PowerPoint Slides, offered by the Schreyer Institute for Teaching Excellence. Role: participant.

#### **2007**

- February 1, 2007: "Penn State Students Reflect on their Best Learning Experiences: Student Panel," offered by the University Fellowship Office and University Learning Centers. Role: participant.
- March 7, 2007: "Classroom Assessment," offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- April 10, 2007: "Technology Roundtable," offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- October 4, 2007: Why Collect Mid-semester Feedback?, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- October 31, 2007: "Businesses Love It / Students Hate It: Team-based Learning", offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- November 14, 2007: "Academic Integrity: Promoting an environment of trust in the classroom?", offered by the Schreyer Institute for Teaching Excellence. Role: participant.

#### **2006**

- Teaching Luncheon: Resources and Strategies for Helping Students Work in Teams - 2/10/2006
- Teaching Luncheon: Inspiring Your Students Through Research - 3/24/2006
- Teaching Luncheon: Teaching With Technology: Where Are We Now? - 4/6/2006
- Teaching Luncheon: Instructor Bias or Academic Freedom?: Finding Good Boundaries for the Classroom - 4/24/2006
- Teaching Luncheon: Creating a Classroom Climate that Fosters Civility - 9/13/2006
- Teaching Luncheon: Test Better, Teach Better: How testing can influence teaching effectiveness -10/12/2006
- Teaching Luncheon: Academic Integrity Luncheon-11/14/06

#### **2005**

- Participant, April 13, 2005: "Writing Recommendation Letters for Undergraduates: Issues and Strategies, workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, May 06, 2005: "Penn State Diabetes Research Day," one day conference organized by the PSU Diabetes Center.
- Participant, September 1, 2005: "Unprepared Students: Taking Action Before It Is Too Late," workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, October 12, 2005: "Using Computer-Based Testing To Improve Learning: Which Tool Best Fits Your Needs?" workshop offered by the Schreyer Institute for Teaching Excellence.

- Participant, October 25, 2005: "RATs, CATS, and Other Animals For Assessing Student Mid-Semester Progress", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, November 14, 2005: "Resources for Improving the Climate for Academic Integrity", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, December 2, 2005: "How Can We Do A Better Job Describing Expected Outcomes In Our Courses?" workshop offered by the Schreyer Institute for Teaching Excellence.

#### 2004

- Participant, January 26, 2004: "Looking for New Approaches to Assess Learning" workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, February 11, 2004: "The Teaching Portfolio: A Practical Guide to Improved Performance and Promotion/Tenure Decisions" workshop (Dr. Peter Seldin, Pace University) offered by the College of Health and Human Development.
- Participant, March 2, 2004: "Playing to Your Strengths: Discovering the Teaching/ Advising Link", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant April 12, 2004: "Bridging the Gap Between Teaching Assessment and Teaching Improvement", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, May 5, 2004: "More Instructional Strategies for Teaching with Technology", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, October 12, 2004: "Developing a Successful Program of Research" workshop offered by the College of Health and Human Development.
- Participant, November 11, 2004: "Learning from the Tests and Assignments You Give", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, December 8, 2004: "What the Best College Teachers Conduct Class?" workshop (Dr. Ken Bain, New York University) offered by the College of Health and Human Development.

#### 2003

- Participant, December 9, 2003. "Strategies for Managing On-line Courses," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, Fall Semester, 2003, September 16 – November 19. "Certificate for Teaching Excellence" the Penn State Course in College Teaching, offered by the Schreyer Institute for Teaching, a 10 week seminar, combining elements of teaching practicum with pedagogy of teaching.
- Participant, November 19, 2003. "Developing Communities of Practice to Support Student Learning," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 30, 2003. "Developing Students' Capacity for Examining Their Own Cultural Identities," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 13, 2003. "Creating Tests that Target Course Objectives," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 2, 2003. "Motivating Students to Come to Class Prepared," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, September 16, 2003. "Course in College Teaching," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, September 9, 2003. "Projects to Integrate Research in the Undergraduate Classroom," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, May, 14, 2003. "Colloquia IX "Making Connections: Campus Cultures That Foster Student Learning," from the Schreyer Institute for Teaching Excellence.

#### 2002

- Participant, February 19, 2002. "ANGEL Overview," seminar for faculty from the Center for Education Technology Services.
- Participant, February 26, 2002. "Using ANGEL for Course Logistics," seminar for faculty from the Center for Education Technology Services.
- Participant, March 12, 2002. "Using ANGEL for Course Communication," seminar for faculty from the Center for Education Technology Services.
- Participant, March 19, 2002. "Using ANGEL for Course Feedback and Student Management," seminar for faculty from the Center for Education Technology Services.
- Participant, October 25-26, 2002: "Noll Summit: Health Implications of Physical Activity", organized by Noll Physiological Research Center, Oct 25-26, 2002.

### **PARTICIPĂRI LA CONFERINȚE NAȚIONALE ȘI INTERNAȚIONALE REPREZENTATIVE**

### **Dezvoltare Profesională**

- Oct 25-26, 2002. Noll Laboratory Summit on "Health implications of physical inactivity, physiology, nutrition and behavior". Invited participant.
- April 20-24, 2002 Experimental Biology Meeting. Invited speaker for the American Association of Anatomists.
- August 7-11, 2002 Society for the Study of Ingestive Behavior Annual meeting, Santa Cruz, CA. Presenter.
- November 2-7, 2002 Society for Neuroscience Annual Meeting, Orlando, Florida. Presenter.
- July 15-19, 2003 Society for the Study of Ingestive Behavior Annual meeting, Groningen, The Netherlands. Presenter.
- November 8-12, 2003 Society for Neuroscience Annual Meeting, New Orleans, LA. Presenter
- April 17-21, 2003 Experimental Biology Meeting, Washington DC. Presenter.
- July 20-24, 2004 Society for the Study of Ingestive Behavior Annual meeting, Cincinnati, OH. Presenter.
- October 23-27, 2004 Society for Neuroscience Annual Meeting, San Diego, LA. Presenter
- March 31-April 5, 2005, Experimental Biology Annual Meeting, San Diego, CA. Presenter.
- July 12-17, 2005, Society for the Study of Ingestive Behavior Annual Meeting, Pittsburgh, PA. Presenter.
- November 12-16, 2005, Society for Neuroscience 35 Annual Meeting, Washington D.C. Presenter.
- July 18-22, 2006, Society for the Study of Ingestive Behavior Annual Meeting, Naples, FL. Presenter.
- Oct 14-18, 2006, Society for Neuroscience 36 Annual Meeting, Atlanta, Georgia. Presenter.
- July 24-29, 2007, Society for the Study of Ingestive Behavior Annual Meeting, Steamboat, CO. Presenter.
- November 3-7, 2007, Society for Neuroscience 37 Annual Meeting, San Diego, CA. Presenter.
- July 15-19, 2008, Society for the Study of Ingestive Behavior Annual Meeting, Paris, France. Presenter
- November 15-19, 2008, Society for Neuroscience 38 Annual Meeting, Washington D.C. Presenter.
- October 17-21, 2009 Society for Neuroscience 39 Annual Meeting, Chicago. Presenter.
- June 2009 Benjamin Franklin Lafayette Seminars. Frejus, France,
- July 3-7, 2010 Ascona Workshop, "The Intestinal Wall: the regulatory interface in energy homeostasis" Ascona, Switzerland.
- July 13-17, 2010. Society for the Study of Ingestive Behavior Annual Meeting, Pittsburgh, Presenter.
- Nov. 13-17, 2010 Society for Neuroscience 40th Annual Meeting, San Diego.

### **Dezvoltare în Tehnologia Informației**

- Fall 2002, Spring 2003 Technology Learning Assistants Program.
- 2/19/2002 Center for Education Technology Services. Seminar:"Angel Overview".
- 2/26/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Logistics".
- 3/12/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Communication".
- 3/19/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Feedback and Student Management".

### **Activități de comunitate**

- Fall 2002. Continuing professional education for registered dietitians. Organized 13 colloquium lectures and offered continuing education credits to PA registered dietitians.
- 2003 Member of Penn State Childhood Obesity Initiative.
- 2003 Member of the Focus Group: Alumni in the classroom
- 2002-2009, member of the Penn State Institute for Diabetes and Obesity
- 2002-2009, member of the Penn State Neuroscience Institute

### **Recenzor pentru publicații de specialitate**

- American Journal of Physiology
- Appetite
- British Journal of Pharmacology
- Physiology and Behavior
- Physiology, Pharmacology and Behavior
- Journal of Neurophysiology
- Peptides
- Brain Research
- Pharmacological Research
- Regulatory Peptides
- Journal of Nutrition
- Nutritional Neuroscience
- Neuroscience
- Neuroscience Letters
- Journal of Autonomic Neuroscience

- European Journal of Neuroscience
- Neuropeptides
- Neuroscience Research
- Neurochemistry International
- Endocrinology
- Obesity Research
- Diabetes
- International Journal of Obesity
- Psychopharmacology
- Medical Principles and Practice
- PlusOne
- Medical Science Monitor
- Hormones and Behavior
- Neurogastroenterology and Motility
- Nutrition and Diabetes
- Neuropharmacology
- British Journal of Nutrition
- Nutrition Research
- Molecular and Cellular Endocrinology
- Biochimica et Biophysica Acta (BBA)- General Subjects
- Current Opinions in Microbiology
- Expert review of endocrinology and metabolism
- Molecular Nutrition and Food Research
- Obesity Research and Clinical Practice
- Gastro Open
- Nutrients
- Frontiers in Physiology
- Frontiers in Nutrition

#### **Evaluator granturi pentru proiecte**

- National Institute of Health, Bethesda, USA
- United States-Israel Binational Science Foundation (BSF)
- National Research Council Canada
- UEFISCDI, National Research Agency, Romania
- The Wellcome Trust, UK
- Alberta Biosolutions, Canada
- Swiss National Research Foundation
- Association for International Cancer Research (AICR), UK.
- Graduate School, AgroParisTech, Paris, France
- Dutch Science Foundation, Netherland
- National Agency for Research France
- United Arab Emirates
- Israel Science Foundation

#### **Invitat al evenimentelor in calitate de speaker**

- November 12, 2021. The link between gut microbiota, microbiota transplant and nutritional health. Nutrition Conference, Tg.Mures, Romania.
- Oct 24, 2019. Keynote speaker: "Host microbiota interaction in obesity". World congress in obesity and Nutrition, Osaka, Japan
- Oct 18, 2018. Invited speaker. Obesity at the intersection between intestinal microflora and food. Technical University of Moldova, Chisinau, Moldova.
- April 26, 2016. Invited seminar: "Emerging role of probiotics in health and disease". Second World Conference on scientific research. University of Timisoara, Romania
- April 9, 2016. Invited seminar: The gutsy brain: a two way street for food choices". Graduate College of Biomedical sciences, Western University of Health Sciences
- June 15, 2015: Keynote speaker: The role of microbiota in health and disease. University of Hebei, China
- May 23, 2015. Invited seminar: The gut microbiota: a friend or a foe. University of Sharjah, United Arab Emirates.
- Nov. 14, 2014. Invited seminar: "Gut microbiota and metabolic dysbiosis" Obesity Center, St. Luke Hospital, New York, USA
- Nov. 13, 2014. Invited seminar: "Gut microbiota and intestinal signaling in obesity" Columbia University, New York, USA

- Sept 12, 2014. COMP seminars: "The world within: gut microbiota, the new player in obesity". Western University of Health Sciences, College of Medicine, Pomona, CA.
- Oct 25, 2013. Invited Seminar lecture: Microbiota and the gut-brain axis. AgroParisTech, Department of Human Nutrition, Paris, France.
- Oct 21, 2013. Invited Seminar lecture: Signals controlling food intake and energy homeostasis in relation to obesity. University Marie Curie, Paris, France
- June 9, 2013. Invited talk. Hubei University, China. Gut microbiota and its future therapeutics.
- June 7, 2013. Invited speaker. GeneHealth, Shijiazhuang, China. Why obesity treatment has failed: the future of individualized approach in disease treatment".
- June 11, 2013. Invited speaker. Combined strategies in prevention, diagnosis and treatment of diabetes. Diabetes and Kidney Hospital. Shijiazhuang, China.
- May 29, 2013. Invited symposium speaker. 33<sup>rd</sup> Blankenese Conference: Nutrient sensing from brain to gut. Hamburg, Germany.
- May 9, 2013. Invited symposium speaker. Annual meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition, London, May 8-11, 2013. Intestinal microbiota and nutrient signaling.
- Feb 3, 2013. Invited talk. Absence of gut microbiota does not always protect against obesity. INRA, Institute Micalis.
- Nov. 22, 2012. Seminar lecture: Nutrients and health. University of Suceava, Department of Health and Human Development.
- Nov 27, 2012. Invited seminar lecture. Neural control of food intake. AgroParisTech, Department of Human Nutrition, Paris, France
- Sept. 25-28, 2012. Chaired symposium and moderator: "Translational research and new technology in clinical research". Nutrition and Health Conference. Bucharest, Romania
- Sept. 25-28, 2012. Invited symposium speaker: "The role of nutrients in satiation in normal and pathological states such as obesity and diabetes". Nutrition and Health Conference. Bucharest, Romania.
- Sept. 3-4, 2012. Keynote speaker "Obesity and the gut microbes: what comes first?" Cross-Talk Conference, Paris, France: The disruption of the war metaphore of human-microbe"
- March 20, 2012. Invited workshop lecture: How to write a scientific paper. How to write a grant. University of Suceava, Romania.
- March 14, 2012. Distinguished invited seminar: Reduced sensitivity to satiation signals in obesity. United Arab Emirates University, Department of Nutrition.
- Dec 15, 2011. INRA, Micalis: Microbiota and Food Intake
- Dec 18, 2011. Gut sensing and microbiota in appetite regulation and obesity. INRA, France, Department of Human Nutrition, Microbiology Institute.
- Dec. 17, 2011 Physiology of eating disorders. Department of Human Nutrition, Master in Nutrition Program. AgroParisTech, Paris, France.
- Oct. 17, 2011 Homeostatic and non-homeostatic control of food intake. Department of Human Nutrition, Master in Nutrition Program. AgroParisTech, Paris, France.
- Oct 18, 2011, Invited talk: Signals controlling food intake and energy homeostasis in relation to obesity. Master Nutrition Program. Marie Curie University, Paris, France.
- February 10, 2011 Invited talk: Deficits in signaling controlling food intake: from nutrients to microbes. French National Research Institute. Micalis symposium. Jouy en Josas, France.
- January 28, 2011. Invited talk: Deficits in signaling controlling food intake: from nutrients to microbes. University of North Carolina at Chapel Hill. Nutrition Research Institute, Kannapolis, NC.
- December 11, 2010. Modulation of cephalic and intestinal taste by luminal factors. Korean Society for Neuroscience. Invited plenary session speaker. Seoul 8-11, 2010
- December 9, 2010. Changes in sensitivity to satiation signals by diet and intestinal luminal factors. Kang Neung-Wonju University, South Korea.
- June 20, 2010. Changes in sensitivity to satiation signals by diet and intestinal luminal factors. Ascona workshop: The intestinal wall - "the" regulatory interface in energy homeostasis. June 20-25, Ascona, Switzerland.
- May 13, 2010. Altered sensitivity to signals controlling food intake and body weight. Auburn University. Department of Nutrition.
- May 11, 2010. The gut-brain axis and control of ingestion. Nuscisco seminar. Marie Curie Program. Paris, France.
- March 25, 2010. Knowing when to stop: deficits in satiation signals. Western University of Health Sciences, California, USA.
- February 15, 2010. Differential satiation and gut signaling. AgroParisTech, Paris. Physiology of Ingestive Behavior Laboratory.
- November 2009. Altered stimulatory and inhibitory signals in obesity. University of Suceava, Romania.
- June 2009, Benjamin Franklin Lafayette Seminars. "Altered feeding and vagal responses in dietary induced obese rats. Frejus, France. June 21-26, 2009.

- February 2009. Control of food intake by gut microbiota. French National Research Institute, Division of Physiology, Paris, France. November 2008. Gut signaling in the control of food intake. French National Research Institute, Division of Physiology, Paris, France.
- March 2007. Brain Awareness Week Special Lecture. Symposium on "Nutrition and the Brain: Neuroscience of Food, Intake and Body Weight Regulation" 13-19 March 2007, Cluj, Romania. What makes us stop eating: signals that control food intake and body weight.
- March 23, 2007. The Penn State University, Animal science department seminar series: Knowing when to stop: controls of meal size.
- Hajnal, A., Kovacs, P., Covasa, M., and Cooney, R.N. Effects of obesity and gastric bypass surgery on taste preferences and neuronal code for sweet taste in a rat model of type-2 diabetes. Diabetes Research retreat, University Park, PA. April 13, 2007.
- Hajnal, A., Kovacs, P., Meirelles, K., Covasa, M., Cooney, R.N. Gastric bypass surgery restores altered neuronal coding for sweet taste in obese OLETF rats. Neuroscience Day, PSU Hershey, Oct 19-20, 2007.
- Guard, D.B., Covasa, M. Increased food intake evoked by DVC injection of NR2B, NR2C/NR2D preferring NMDA receptor antagonists. Neuroscience Day, PSU Hershey, Oct 19-20, 2007.
- June 2006. Benjamin Franklin Lafayette Seminars. "Altered stimulatory and inhibitory feedback signals following chronic adaptation to dietary fats". Frejus, France. June 18-23, 2006.
- September 16-17 2006. Penn State University Neuroscience Days. M.S. Hershey Medical Center. "Hypersensitivity to the inhibitory feeding effects of dopamine receptor antagonism in the obese OLETF rat".
- January 2005. "Obesity in the CCK-1 receptor deficient rat: A model for both orosensory and postgastric signaling in preferred food intake", Graduate Seminar in Neuroscience, Hershey Medical Center, January 13, 2005.
- December 2005. "The Drive to Eat: Beyond Energy Balance." Colloquium Series, Department of Nutritional Sciences, Pennsylvania State University, December 5, 2005.
- March 2004. "What makes us stop eating: Signals that control food intake and body weight", Penn State Diabetes Research Seminar, March 18, 2004.
- Oct 2004. "Gastric mechanoreception and serotonin", Neuroscience Seminar, Department of Psychology, University of Pennsylvania, October 22, 2004.
- Nov 2003. "Is Ghrelin a physiologic signal?" Society for Neuroscience, Society for the Study of Ingestive Behavior, 33rd annual meeting, New Orleans, November 2003.
- Fall 2003. "Reduced sensitivity to satiation signals in control of food intake." Department of Neural and Behavioral Sciences, College of Medicine, Hershey Medical Center, Pennsylvania State University.
- Spring 2002. "The enteric nervous system and the control of food intake." The American Association of Anatomists, Experimental Biology Meeting, New Orleans.
- Fall 2002. "Dietary adaptation in control of body weight." Physiology Forum, Pennsylvania State University, University Park, PA.
- Fall 2002. "Obesity epidemic: guts and lifestyle." Colloquium Series, Nutrition Department, Pennsylvania State University.

#### Activități administrative

##### Comisie pe Facultate/Universitate

- Scholarship Committee (2005-2008)
- Department Head search committee (2005-2007)
- Grievance Committee – chair (2017-present)
- Faculty Assembly – chair (2021-present)
- Admissions Committee (2017-2020)
- HR Adhoc committee

##### Comisie pe Departament

- Ruth Pike Lectureship (2002-2005)
- Executive Committee (2006-2010)
- Future Committee (2006-2007)
- Curriculum Committee (2006-2009)
- Admission Committee (2005-2006)
- Equipment Committee (2007-2010)
- Course Assessment Committee (2007-2010; 2022-2023)

##### Comisie pe Recrutare

- Search Committee Nutritional Neuroscience Faculty Candidate (2002-2003)
- Search Committee Nutritional Neuroscience Faculty Candidate (2005)
- Search Committee Head of Department (2005-2006)

#### Program de Doctorat în Nutriție

- Admissions Committee (2003-2006)
- Curriculum Committee (2005-2007)

#### Program de Doctorat în Fiziologie

- Admissions Committee (2003-2006)

#### Membru al facultății în următoarele programe:

- Graduate Program in Nutritional Sciences (Penn State, 2002-2009)
- Graduate Program in Physiology (Penn State, 2002-2009)
- Nutritional Sciences Option of the IBIOS (Penn State, 2002-2009)
- Neuroscience Sciences Option of the IBIOS (Penn State, 2002-2009)
- Member of the Neuroscience Institute (Penn State, 2002-2009)
- Member of the Diabetes Center (Penn State, 2002-2009)
- Member of the Obesity Center (Penn State, 2002-2009)
- Graduate Program Physiology and Pathophysiology (Marie Curie University, Paris, France, 2010-present).
- Member of Western Diabetes Institute (Western University of Health Science, 2010-present).

#### Societăți Profesionale

- Pennsylvania Nutrition Education Network- participarea la întâlniri și elaborarea programelor de nutriție pentru persoanele cu nivel socio-economic redus din Pennsylvania.
- Formare profesională continuă pentru dieteticienii înregistrați. Organizarea a 13 prelegeri și oferirea de credite CPE pentru PA RDs.

#### Departamentul profesiilor și disciplinelor

- Fall 2002 Organizare serii de colocvii în obezitate

#### Departamentul de comerț și industrie

2004-2005

- Consultant pentru Compania Kemin Consumer Care, Des Moines, Iowa. Membru în Consiliul Educației în Sațietate.

#### Media

The Pennsylvania State University, 2005, on the paper: "*Adaptation to a high fat diet leads to hyperphagia and diminished sensitivity to cholecystokinin in rats*". Journal of Nutrition, 2005.

American Society for Nutrition on the paper: « *Replication of obesity and associated signaling pathways through transfer of microbiota from obese prone rat* ». Diabetes, 2014.

American Society for Obesity on the paper: Gut Microbiota: From Microorganisms to Metabolic Organ Influencing Obesity, Obesity journal, 2018

#### TV/radio interviuri si prezentari

- Special guest Intermedia TV Channel, Suceava, Romania : Successful stories, interview Dr. Mihai Covasa (2013).
- University of Suceava, Romania, Radio station; Interview Dr. Covasa. Preventing obesity in young adults (2012).
- University of Hebei, China. Radio interview. Obesity in young adult (2015)
- Multiple TV and media interviews, Romania.

#### Interviuri reviste:

Allure magazine, Science Daily" Science interview (M Covasa, F. Duca): Gut organisms could be clue in controlling obesity risks (2012). I also participated in radio (2012) and TV (2013) programs (Nutrition and Health), press conference and organized science outreach activities in schools and local communities (2013). Scientific expertise were presented and exchanged with GeneHealth of China and the Diabetes and Kidney Hospital in Shijiazhuang, China (2012).

**Nutrition Frontiers (NIH).** The article: *Replication of obesity and associated signalling pathways through transfer of microbiota from obese prone rat* published in Diabetes was selected by the Nutritional Science Research Group within the National Cancer Institute at NIH to be featured in Nutrition Frontiers. The publications are chosen based on scientific merit, innovation, and potential public health impact.

**Conference organizer**

Scientific program committee member for the National Conference in Sport Nutrition. University of Medicine and Pharmacy, Tirgu Mures, Romania, Oct 28-31, 2015

**Symposium organizer**

Committee organizer FENS 2023. Dietary Bioactives.

Organized symposium talk: International collaborations on translational research. Challenges in Romanian clinical research meeting. Bucharest, Romania, 26-27 Sept 2012

**LIMBI STRĂINE**

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|----------------|---------------|--------------------|
| Limba engleza  | • Citire      | Nivel: foarte bine |
|                | • Scriere     | Nivel: foarte bine |
|                | • Conversație | Nivel: foarte bine |
| Limba franceza | • Citire      | Nivel: bine        |
|                | • Scriere     | Nivel: bine        |
|                | • Conversație | Nivel: bine        |

**Data:** 10.01.2024

