



# Short CV

## ALEX BRITO, PhD

Nutritional Scientist | International Nutrition Expert  
[alexbritophd@gmail.com](mailto:alexbritophd@gmail.com) | [www.alexbritophd.com](http://www.alexbritophd.com) | ORCID: 0000-0002-6212-8814

### PROFILE

Nutritional scientist with a PhD from UC Davis and 15+ years of **research** and **advisory experience** across academia and international organizations (FAO, WFP, UNICEF). Author of **>70 peer-reviewed publications in nutritional epidemiology, micronutrient deficiencies, metabolomics, and food security**. Proven expertise in leading data analysis, designing nutrition information systems, and informing evidence-based policy internationally.

### KEY METRICS

**>5000 citations** | **H-index: 28** | **73 peer-reviewed publications** (>50 first/second/last author) | >60 in Q1-Q2 journals | 16 book chapters & policy briefs | 30 invited talks | ~70 conference abstracts

### SELECTED EXPERIENCE

- Micronutrient Data Specialist** — FAO Headquarters, Rome, Italy (2025)
- Specialist in Nutrition Information / Food Security & Systematic Reviews** — FAO Subregional Office for Mesoamerica & Regional Office for LAC, Santiago/Panama (2023–2025)
- Research Professor (Nutritional Sciences)** — Universidad San Sebastián, Campus Patagonia, Chile (2024–2026)
- Micronutrient Deficiencies Expert** — WFP Headquarters, Rome, Italy (2022–2024)
- International Data Analysis Advisor** — UNICEF-NIPN, Vientiane, Lao PDR (2021–2022)
- Senior Researcher** — Sechenov University, Moscow, Russia (2017–2024)
- Postdoctoral Researcher** — Luxembourg Institute of Health (2019–20) / USDA-UC Davis, USA (2016–17)

### EDUCATION

- PhD, Nutritional Biology** (Minor: Epidemiology & Statistics) Specialization in International and Community Nutrition — University of California, Davis, USA, 2015
- MSc, Food & Nutrition** — Institute of Nutrition and Food Technology, University of Chile, 2010
- BSc, Nutrition** — University of Concepcion, Chile, 2006

### AREAS OF EXPERTISE

Nutritional epidemiology | Micronutrient deficiencies | Metabolomics | Public health nutrition | Food security & Food Fortification | Nutrition Data Analysis | Evidence-based Nutrition Policy

### LANGUAGES & TECHNICAL SKILLS

**Languages:** English (Fluent), Spanish (Native), Russian (Basic conversational), French/Portuguese/Italian (Passive knowledge)  
**Software:** R / RStudio, STATA, Cytoscape, chemRICH, MetaboAnalyst

Revised May 12<sup>th</sup>, 2026

## Curriculum Vitae (Full CV)

**Nutritional Epidemiology**  
**Public Health Nutrition**  
**International Nutrition**  
**Nutrition Data Analysis**  
**Nutritional Metabolomics**  
**Metabolomics**

Chilean citizen, born 1982

**Alex Brito, PhD**  
[alexbritophd@gmail.com](mailto:alexbritophd@gmail.com)  
[www.alexbritophd.com](http://www.alexbritophd.com)

**Nutritional scientist with a PhD from UC Davis** and extensive research and advisory experience in **academia** and **international organizations**. Author of over 70 peer-reviewed publications in the fields of **nutritional epidemiology, micronutrient deficiencies, metabolomics, and food security**. International experience includes expert advisory roles at FAO, WFP, and UNICEF, leading data analysis, designing nutrition information systems, and informing evidence-based policy. Currently advancing a productive international research agenda with a focus on **translational nutrition science and global health impact**.

[Google Scholar Link](#)

[ResearchGate Link](#)

	All	Since 2021
Citations	5028	3556
h-index	28	24
i10-index	56	41

ORCID ID: 0000-0002-6212-8814

Web of Science ResearchID: I-2858-2013

Scopus ID: 53863211500

### Metrics

**Peer-reviewed publications: 73**

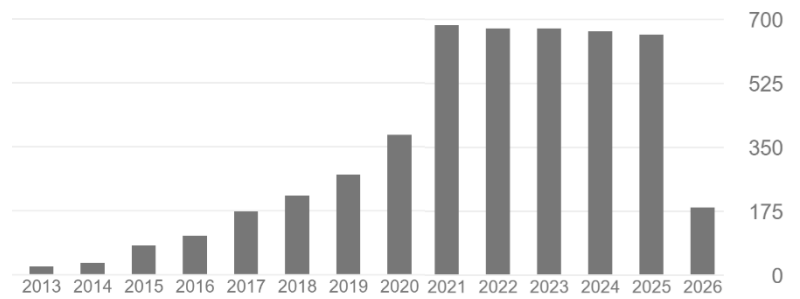
First, second and last authorships: >50

Q1-Q2 publications: >60

Book chapter/policy brief: 16

Invited speaker invitations: 30

Abstracts presented at scientific meetings: ~70



### Positions

2025 **Micronutrient Data Specialist**. Headquarters Food and Agriculture Organization of the United Nations (FAO), Food and Nutrition Division (ESN), Rome, Italy.

2023-2025 **Specialist in Systematization of Nutrition Information/ Specialist in Food Security and Nutrition Diagnosis & Specialist in Systematic Reviews with a focus on Nutrition**  
Regional Office for Latin America and the Caribbean, Santiago, Chile & FAO Subregional Office for Mesoamerica, Panama

2024-2026 **Research Professor (Nutritional Sciences)**  
Universidad San Sebastián, Campus Patagonia, Chile

2022-2024 **Micronutrient Deficiencies Expert**. Headquarters United Nations World Food Programme (WFP), Nutrition Division, Rome, Italy.

2021-2022 **International Data Analysis Advisor**. United Nations International Children's Emergency Fund (UNICEF)-National Information Platforms for Nutrition (NIPN), Ministry of Planning and Investment, Vientiane, Lao PDR.

2019-2020. **Senior Postdoctoral Researcher**. Luxembourg Institute of Health (LIH), Department of Population Health. Nutri-Health Group, Strassen, Luxembourg.

2017-2024 **Senior Researcher**. Centre of Biopharmaceutical Analysis and Metabolomics. Institute of Translational Medicine and Biotechnology I.M. Sechenov First Moscow State Medical University (Sechenov University), Moscow, Russia.

2016- 2017. **Postdoctoral Researcher.** United States Department of Agriculture (USDA), Western Human Nutrition Research Center, University of California, Davis, USA

2011-2015. **Graduate Research Assistant.** United States Department of Agriculture (USDA), Western Human Nutrition Research Center, University of California, Davis, USA

2008-2011. **Graduate Research Assistant.** Micronutrients Laboratory. Institute of Nutrition and Food Technology, University of Chile

## **Education**

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2011- 2015. **Doctor of Philosophy (PhD).** Major in Nutritional Biology; Minor in Epidemiology and Statistics; *Designated Emphasis:* International & Community Nutrition; University of California, Davis, USA

2007 - 2010. **Master of Science (MS).** Food and Nutrition. Specialization in Human Nutrition. Institute of Nutrition and Food Technology, University of Chile.

2001 - 2006. **Bachelor's degree** in Nutrition. Title of Nutritionist. University of Concepcion, Chile.

## **Languages**

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Spanish — Native

English — Fluent

Russian — Basic conversational

Italian/ Portuguese/ French — Passive knowledge

## **Statistical software and visualizations tools**

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R/ R Studio/ STATA/ Cytoscape /chemRICH / Metaboanalyst

## **Certified trainings**

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2026. Minimum dietary diversity for women FAO

2025. Aquatic foods for nutrition FAO

2025. BSAFE (Multilanguage) FAO

2025. Achieving Gender Equality in FAO's Work FAO

2025. Prevention of Fraud and Other Corrupt Practices FAO

2025. Protection from Sexual Exploitation and Abuse (PSEA) FAO

2025. Prevention of Harassment, Sexual Harassment and Abuse of Authority FAO

2025. FAO's Whistleblower Protection Policy

2025. United Nations Course on Working Together Harmoniously FAO

2025. Ethics and Integrity at the United Nations FAO

2025. Fast Facts: Oncology and Nutrition (European Accreditation Council for Medical Education)

2024. Intensive training at WFP: Critical Thinking and Creative Problem-Solving Programme

2022. Maternal Nutrition Programming in Emergencies WFP

2022. Resource Mobilization to meet Nutritional Needs in Emergencies WFP

2022. Micronutrient Malnutrition in Emergencies Preparedness and Response WFP

2022. Basic Training on Nutrition in Emergencies WFP

2021. Ethics and integrity at UNICEF

2020. Laboratory Training Luxembourg Institute of Health (LIH-Luxembourg)

2019. Focus on Peer Review

2019. Publishing a research paper

2019. Writing and publishing a review paper

2019. Writing a research paper

2016. Safe use of biological safety cabinets/ Fume hood training/ Cyber security awareness (Davis)

2015. Laboratory safety/ Laboratory safety fundamentals (UCDavis)

2014. Compliance briefing: ethical values and conduct (UCDavis)

2012. Compliance & conflict of interest for Researchers Briefing (UCDavis)

## **Past society memberships**

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American Society for Nutrition

Metabolomics Society

## **Participation as peer reviewer (28 journals)**

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- Advances in Nutrition
- American Journal of Clinical Nutrition
- American Journal of Human Biology
- American Journal of Physiology: Endocrinology and Metabolism
- American Journal of Physiology: Lung Cellular and Molecular Physiology
- Biological Trace Elements Research
- BMC Pediatrics
- British Journal of Nutrition
- European Journal of Clinical Nutrition
- Food and Nutrition Bulletin
- Food Security
- Hemoglobin
- International Health
- International Journal for Vitamin and Nutrition Research
- International Journal of Obesity
- Journal of Clinical Pathology
- Journal of Nutrition
- Journal of Nutritional Sciences
- Journal of Pediatric Biochemistry
- Maternal and Child Nutrition
- Metabolomics
- Microchemical Journal
- Molecular Nutrition and Food Research
- Nutrition
- Nutrition Reviews
- Pediatric Research
- Public Health Nutrition
- The Journal of Nutritional Biochemistry

## **Expert committee, research groups, editorial work and participation as chair and selection of awards**

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**2021-2022. Guest Editor. Brito A & La Frano M. *Metabolites*.** Micronutrient Deficiencies and Metabolomics

**2019-2021.** Associate Editor International Journal for Vitamin and Nutrition Research

**2019.** Chair. Sechenov International Biomedical Summit (SIBS-2019) Moscow, Russia

**2017.** Chair Session 7: Nutrition during pregnancy and infancy 11<sup>th</sup> International Conference on Homocysteine and One Carbon Metabolism Meeting, Aarhus, Denmark

**2017.** Selected awards for oral presentations and flash communications 11<sup>th</sup> International Conference on Homocysteine and One Carbon Metabolism Meeting, Aarhus, Denmark

**2016.** Participation in WHO online consultation to identify priority questions for revising WHO hemoglobin concentration for the diagnosis of anemia and assessment of severity

**2016.** Expert contributor. Biomarkers of Nutrition for Development (BOND) Vitamin B12 review.

**2015-2017.** Advisor vitamin B-12 Research Group, Rotterdam, the Netherlands.

**2015. Guest Editor. *Prevalence of micronutrient deficiencies in Latin America and the Caribbean*.** Guest editors: López de Romaña D, Olivares M, **Brito A**. Food and Nutrition Bulletin (Supplement June 2015)

**2014.** Expert committee on Folate. ACHIPIA Chile. International public consultancy to revise the Scientific Opinion on Dietary Reference Values for folate prepared by the European Food Safety Authority.

## **Technical reports, book chapters, policy briefs and magazines.**

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**2026.** Diet, nutrition and cancer: a global overview. **Brito A**, San Martin S, Morales C, Rivero C, La Frano MR, Springer Nature.

**2026.** WHO, FAO: Book Chapter: *Large Scale Food Fortification in Humanitarian Assistance and Social Protection* Book: FAO-WHO Guidelines on Food Fortification with Micronutrients. Lead authors: Saskia de Pee & **Brito A**. Lynnette Neufeld – FAO & Luz Maria De-Regil - WHO.

**2025.** Diet Cost and Affordability Metrics: Application of subnational evidence for food security and nutrition. Supplement Global Food Security. Saskia de Pee et al. (Acknowledged)

**2024.** FAO; IFAD; PAHO; UNICEF; WFP. Latin America and the Caribbean Regional Overview of Food Security and Nutrition 2024. Contributor (Acknowledged)

- 2023.** Climate Change on Food Security and Nutrition in Latin America and the Caribbean. FAO Latin America Regional Office. **Brito A.** et al.
- 2021.** Determinants of stunting in children under 5 years old in Lao PDR. UNICEF (Policy Brief-main author)
- 2021.** Determinants of wasting in children under 5 years old in Lao PDR. UNICEF (Policy Brief-main author)
- 2021.** Economic Consequences of Malnutrition in Lao PDR UNICEF (Policy Brief)
- 2021.** Economic Consequences of Malnutrition in Lao PDR A Damage Assessment Report (DAR). UNICEF (Policy Brief)
- 2017.** SPRING. 2017. Understanding Anemia: Guidance for Conducting a Landscape Analysis. Second Edition. Arlington, VA: Strengthening Partnerships, Results, and Innovations in Nutrition Globally (SPRING) project (Acknowledged)
- 2013.** Mokhtar R, **Brito A**, Holick M. Vitamin D across the lifecycle with special emphasis on Latin America. Sight and Life Magazine
- 2013.** López de Romaña D., **Brito A.**, Allen L.H. Folate y vitamina B12. Facultad de Medicina, University of Chile
- 2012.** López de Romaña D, Olivares M, **Brito A**, Cediell G, Mujica M.F. Prevalence of micronutrient deficiencies in Latin America and the Caribbean. DSM Nutritional Products. Oct 2012.
- 2012.** **Brito A.**, Olivares M, Mujica M.F., López de Romaña D. Vitamin D deficiency in Latin America and the Caribbean. A systematic review. DSM Nutritional Products. July 2012
- 2011.** **Brito A.**, Oyarzun M.T., Olivares S. Chapter 3: Importancia del consumo de frutas y verduras: beneficios de la huerta en la alimentación familiar. De la huerta a la mesa. FAO
- 2009.** Hertrampf E., Olivares M., **Brito A.**, Castillo-Carniglia A. “Evaluación de la prevalencia de anemia ferroporiva en una muestra representativa de las regiones Metropolitana y Quinta de beneficiarios del PNAC”. Ministerio de Salud Chile, Dic 2009.

### Teaching experience

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- 2024-2026.** Universidad San Sebastian, Chile. In charge of courses for undergraduate students of Nutritional Sciences: “*Epidemiology*”, “*Nutrition Research I*” “*Nutrition Research II*”, “*Seminars of Nutrition*” and “*Research Methodology*”.
- 2021-2022.** UNICEF, Ministry of Planning and Investment, Vientiane, Lao PDR. *Capacity building running multiple internal and intensive trainings on data analysis using STATA*
- 2015.** Autonomous University of Queretaro, College of Natural Science, Mexico. One week advising master and PhD students how to publish their dissertations.
- 2013-2015.** Institute of Nutrition and Food Technology, University of Chile. Online course: “*Maternal and Child Malnutrition in Latin America*” Section: *Micronutrient deficiencies*. Classes: *State of the art of micronutrient deficiencies/ Prevalence of micronutrient deficiencies in Latin America and the Caribbean/ Strategies for prevention and control of micronutrient deficiencies/ Food Fortification*.

### Presentations as Invited Speaker

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- 2026.** “*Dieta y nutrición en la prevención y tratamiento de cáncer*”. VI Simposio Latinoamericano Virtual de Nutrición IESEF 2026 "Innovación nutrimental: el futuro de la Alimentación". México
- 2024.** “*Climate Change on Food Security and Nutrition in Latin America and the Caribbean*”. Taller Soluciones basadas en la Naturaleza, biodiversidad y nutrición en el sector AFOLU de Centroamérica y la República Dominicana, Panamá City, Panamá
- 2023.** “*Exploratory review of the impacts of climate change on food security and nutrition*”. Workshop of Experts “Effects of climate change and extreme weather events on food security and nutrition in Latin America and the Caribbean. Background papers for the Regional Overview of Food Security and Nutrition 2024”, Santiago, Chile (online)
- 2021.** “*Ingesta de folatos y vitamina B12 en la prevención de la enfermedad cardiovascular*”. Seminario FINUT Micronutrientes en América Latina; situación actual, investigación y perspectivas. Granada, Spain (online)
- 2021.** “*Nuevos avances en la aplicación de metabolómica en nutrición*” XIII Foro de Investigación y Posgrado. Facultad de Ciencias Naturales, Queretaro, Mexico (online)

- 2020.** *“Nutritional metabolomics and personalized health” SIBS 2020, Sechenov International Biomedical Summit, Moscow, Russia*
- 2019.** *“Metabolomics in prostate cancer: a novel diagnostic approach for biomarker discovery”*. Population Health Seminar. Luxembourg Institute of Health, Luxembourg.
- 2019.** *“Determination of the composition of alcoholic beverages by gas chromatography-mass spectrometry: Implications for food safety”*. Research in Food Safety, EFSA meeting, Luxembourg
- 2019.** *“Vitamin B-12 deficiency in the age of translational research, personalized medicine and omics data integration”* SIBS 2019, Sechenov International Biomedical Summit, Moscow, Russia
- 2018.** *“Application of metabolomics tools into micronutrient research: past progress, future challenges and opportunities”* SIBS 2018, Sechenov International Biomedical Summit, Moscow, Russia
- 2017.** *“New perspectives on vitamin B-12 deficiency”* Invited by Dr. Edwin Habeych. Nestle Research Center, Lausanne, Switzerland.
- 2017.** *“New perspectives on vitamin B-12 deficiency in low-income populations; assessment, prevalence and consequences”*. International conference on homocysteine and one-carbon metabolism. Aarhus, Denmark
- 2017.** *“New diagnosis for vitamin B-12 status assessment: progress and opportunities for future application”*. Contact Dr. Michael Fenech, CSIRO, Adelaide, Australia
- 2017.** *“Vitamin B-12 deficiency research: Diagnostics and population assessment”*. Contact Dr. Nicola E. Brasch. Head of Chemistry. Auckland University of Technology, New Zealand
- 2016.** *“cB12: a novel combined indicator of vitamin B12 status”*. Micronutrient Forum, Cancun, Mexico
- 2016.** Invited by Dr. Keith West as a discussant for one week seminar presented by Dr. Michael Fenech: *“Nutritional Genomics: Public Health Horizons”* Johns Hopkins University, Maryland, USA
- 2016.** *“New directions in vitamin B-12 deficiency research”*. Invited by Dr. Jean Louis Gueant. Universite de Lorraine, Nancy, France
- 2016.** *“The influence of high folate on the response to vitamin B12 supplementation”*. FASEB meeting. Folic Acid, vitamin B12 and one carbon metabolism. Steamboat Springs, Colorado, USA
- 2016.** *“New directions in vitamin B-12 deficiency research: from diagnostics to international nutrition”*. Program in International and Community Nutrition, UC Davis, California, USA
- 2015.** *“B vitamin deficiencies and obesity”*. Congress of the Federation of Latin American Nutrition Societies. Punta Cana, Dominican Republic
- 2015.** *“Metabolomics reveals new pathways and candidate biomarkers of vitamin B12 status, effects of B12 on myelinated peripheral nerve conduction and interaction with folate status”*. One carbon metabolism, B vitamins and homocysteine, Nancy, France
- 2015.** *“Applying metabolomics to international nutrition research: discovering new pathways and candidate biomarkers of vitamin B12 status”*. Symposium Graduate Group in Nutritional Biology, UC Davis, California, USA
- 2014.** *“Functional effects of vitamin B-12 deficiency in the elderly”*. Invited by Miriam A. Anaya-Loyola Universidad Autonoma de Queretaro, Mexico
- 2014.** *“Effect of vitamin B12 supplementation on neurophysiological function in older Chileans analyzed by the combined indicator of vitamin B12 status”*. Invited by Dr. Yvonne Lamers. Department of Food, Nutrition and Health. The University of British Columbia, Vancouver, Canada
- 2014.** *“Sensory peripheral nerve function in Chilean elderly consuming folic acid fortified flour: relationship to plasma folate and a novel combined marker of B12 status”*. Micronutrient Forum, Ethiopia
- 2013.** *“Micronutrient deficiencies in Latin America. Prevalence of anemia and iron status in Chile. Functional impact of sub-clinical vitamin B12 deficiency.* CESSIAM, Guatemala.

### **Registered research protocols**

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- 2021. Scoping Review Protocol DOI 10.17605/OSF.IO/85NAU:** Rios-Castillo I, Ortega L, Lizárraga A, Brito A. Nutrition education against overweight and obesity among school-age children: a scoping review
- 2020. PROSPERO CRD42020169254:** Chuchueva N, Brito A, Carta F, Nguyen HN, Fanos V, King E, Swistushkin V, Reshetov I, La Frano MR, Appolonova SA, Puxeddu R. Metabolomic signatures of head and neck cancer in biofluids: a systematic review and meta-analysis

**2020. Scoping Review Protocol DOI 10.17605/OSF.IO/8VA2D:** Fernandez Del Campo SS, Brito A, Ramos Meyers G, Fagherazzi G, Leners B, Schmitz S, Lefebvre B, Bohn T, Samouda H. Multidisciplinary management of obesity through digital-health: a Scoping Review.

### Peer reviewed publications

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**2026. Brito A & de Pee S.** *Developing Composite Micronutrient Intake Indices to Inform Large Scale Food Fortification in Low and Middle-Income Countries: A Conceptual Framework.* (In editorial process, *Advances in Nutrition*).

**2026. Brito A,** Knight F, Jangid M, Tang K, de Pee S. *Developing Composite Micronutrient Intake Indices to Inform Large Scale Food Fortification in Low and Middle-Income Countries: A Scoping Review Complemented by a Systematic Search.* (In editorial process, *Advances in Nutrition*).

**2026.** Luevano J, Heath H, Baskhanova S, Savitsky M, Samoylov V, Seryukov E, Chuchueva N, Nguyen HN, Rios-Castillo I, Appolonova SA, La Frano MR, **Brito A.** *Metabolomics of COVID-19 in serum and plasma: A systematic review of 176 published studies* (In editorial process *Metabolism: Clinical and Experimental*).

**2025.** Alfonso J, Melgar-Quiñonez H, García OP, **Brito A,** Ríos-Castillo I. Food and Water Insecurity in Panamanian Households: A Cross-Sectional Analysis. *Dietetics* 4(4): 42. doi: 10.3390/dietetics4040042

**2025.** Savitskii MV, Moskaleva NE, Appolonova SA, **Brito A,** Bondareva NE, Lubenec NL, Sheremet AB, Ordzhonikidze MK, Zigangirova NA, Zyryanov SK, Tarasov VV, Gintsburg AL. *Single- and Multiple-dose Pharmacokinetics, Excretion, Metabolism, and Safety of the Antivirulence Agent Fluorothiazinone in Healthy Adults.* *Pharmaceutical Research.* doi:10.1007/s11095-025-03919-y

**2025.** Cohen R, Sheftel J, Luevano J, Meredith KO, Fanter RK, Stuijvenberg ME, Dhansay MA, **Brito A,** Tanumihardjo SA, La Frano MR. *Metabolomics profiling of hypervitaminosis A in South African preschoolers receiving vitamin A supplementation is characterized by altered serum lysophospholipids and oxylipins.* *British Journal of Nutrition* 133: 1385–1394. doi: 10.1017/S0007114525103656

**2025.** García OP, Zavala GA, Campos-Ponce M, Doak CM, **Brito A,** Polman K, Allen LH, Rosado JL. *Intestinal parasitic infections are related to micronutrient status and body composition in Mexican school-age children: results from a cross-sectional study.* *Journal of Parasitic Diseases* <https://doi.org/10.1007/s12639-025-01814-2>

**2025.** Musaeva L, Shestakova K, Baskhanova S, Varzieva VG, **Brito A,** Menshikova I, Appolonova SA. *Predictive Metabolomic Profiling for Assessing Treatment Responsiveness in Rheumatoid Arthritis: A Systematic Review.* *Clinical Rheumatology.* Mar;44(3):923-952; 2025

**2024.** Savitskii MV, Moskaleva NE, **Brito A,** Markin PA, Zigangirova NA, Soloveva AV, AB Sheremet, NE Bondareva, Lubenec NL, Tagliaro F, Tarasov VV, Tatzhikova KA, Appolonova SA. *Pharmacokinetics, tissue distribution, bioavailability, and excretion of the anti-virulence drug Fluorothiazinon in rats and rabbits.* *The Journal of Antibiotics* (Q1), 2024

**2023.** Savitskii MV, Moskaleva NE, **Brito A,** Zigangirova NA, Soloveva AV, Sheremet AB, Bondareva NE, Lubenec NL, Kuznetsov RM, Samoylov VM, Tagliaro F, Appolonova SA. *Pharmacokinetics, quorum-sensing signal molecules and tryptophan-related metabolomics of the novel anti-virulence drug Fluorothiazinon in a Pseudomonas aeruginosa-induced pneumonia murine model.* *Journal of Pharmaceutical and Biomedical Analysis* (Q1) 236, 30 Nov. 2023, 11573

**2023.** Chuchueva N, Carta F, Nguyen HN, Luevano J, Lewis IA, Rios-Castillo I, Fanos V, King E, Swistushkin V, Reshetov I, Rusetsky Y, Shestakova K, Moskaleva N; Mariani C, Castillo-Carniglia A, Grapov D, Fahrman J, La Frano MR, Puxeddu R, Appolonova SA, **Brito A.** *Metabolomics of head and neck cancer in biofluids: an integrative systematic review.* *Metabolomics* (Q1) <https://doi.org/10.1007/s11306-023-02038-2>

**2023.** Hannah H, Rodrigo R, McMichael L, Rob F, Noemi A, Quintana-Diaz A, Pilolla K, Schaffner A, Jelalian E, Wing R, **Brito A**, Phelan S, La Frano M. *Gestational Diabetes Is Characterized by Decreased Medium-Chain Acylcarnitines and Elevated Purine Degradation Metabolites across Pregnancy: A Case-Control Time-Course Analysis.* *Journal of Proteome Research* (Q1) <https://doi.org/10.1021/acs.jproteome.2c00430>

**2023.** Kozhevnikova M, Korobkova E, Krivova A, Kukharencov A, Moskaleva N, Shestakova K, Mesonzhnik N, Ageev A, Boldin A, **Brito A**, Appolonova SA, Privalova E, Belenkov Y. *Plasma branched-chain amino acid concentrations in individuals without cardiovascular diseases versus patients diagnosed with hypertension and coronary artery disease.* *Rational Pharmacotherapy in Cardiology.* 19(3):230-239

**2022.** Heath H, Degreaf K, Smith MK, Mitchell I, Pilolla K, Phelan S, **Brito A**, La Frano MR. *Identification of potential biomarkers and metabolic insights for gestational diabetes prevention: A review of evidence contrasting gestational diabetes versus weight loss studies that may direct future nutritional metabolomics studies.* *Nutrition* (Q1) <https://doi.org/10.1016/j.nut.2022.111898>

**2022.** Johnson CM, Rosario R, **Brito A**, Agrawal K, Fanter R, Lietz G, Haskell M, Engle-Stone R, Newman JW, La Frano MR. *Multi-assay nutritional metabolomics profiling of low vitamin A status versus adequacy is characterized by reduced plasma lipid mediators among lactating women in the Philippines: A pilot study.* *Nutrition Research* (Q1) <https://doi.org/10.1016/j.nutres.2022.05.007>

**2022.** Moskaleva NE, Shestakova KM, Kukharencov AV, Markin PA, Kozhevnikova M, Korobkova EO, **Brito A**, Baskhanova SN, Mesonzhnik NV, Belenkov YN, Pyatigorskaya NV, Tobolkina E, Rudaz S, Appolonova SA. *Target metabolome profiling-based machine learning as a diagnostic approach for cardiovascular diseases in adults.* *Metabolites* (Q1)

**2021.** Vahid F, **Brito A**, Le Coroller G, Vaillant M, Samouda H, Bohn T. *Dietary Intake of Adult Residents in Luxembourg Taking Part in Two Cross-Sectional Studies—ORISCAV-LUX (2007–2008) and ORISCAV-LUX 2 (2016–2017).* *Nutrients* (Q1)

**2021.** McMichael LE, Heath H, Johnson CM, Fanter R, Alarcon N, Quintana-Diaz A, Pilolla K, Schaffner A, Jelalian E, Wing RR, **Brito A**, Phelan S, La Frano MR. *Metabolites involved in purine degradation, insulin resistance, and fatty acid oxidation are associated with prediction of Gestational Diabetes in plasma.* *Metabolomics* (Q1)

**2021.** Shestakova KM, Mesonzhnik NV, Markin PA, Moskaleva N, Nedorubov AA, **Brito A**, Savitskii MV, Varzieva VG, Appolonova EG, Kuznetsov RM, Tagliaro F, SAA Appolonova. *Pharmacokinetic assessment of the synthetic cannabinoid 5F-APINAC and its influence on metabolites associated with neurotransmitter systems in rabbits.* *Pharmaceuticals* (Q1)

**2021.** Leslie E, Lopez V, Anti N, Alvarez R, Kafeero I, Welsh D, Romero M, Kaushal S, Johnson C, Bosviel R, Blazenovic I, Song R, **Brito A**, La Frano M, Zhang L, Newman J, Fiehn O, Wilson S. *Gestational long-term hypoxia induces metabolomic reprogramming and phenotypic transformations in fetal sheep pulmonary arteries.* *American Journal of Physiology-Lung Cellular and Molecular Physiology.* IF: 4.1 (Q1)

**2021.** Markin P, **Brito A**, Moskaleva NE, Tagliaro F, La Frano MR, Savitskii MV, Appolonova SAA. *Short- and long-term exposures of the synthetic cannabinoid 5F-APINAC induce metabolomic alterations associated with neurotransmitter systems and embryotoxicity confirmed by teratogenicity in zebrafish.* *Comparative Biochemistry and Physiology - Part C IF: 2.9* (Q1)

**2021.** Markin P, **Brito A**, Moskaleva NE, Tagliaro F, Tarasov VV, La Frano MR, Savitskii MV, Appolonova SAA. *Short- and medium-term exposures of diazepam induce metabolomic alterations associated with the serotonergic, dopaminergic, adrenergic and aspartic acid neurotransmitter systems in zebrafish (Danio rerio) embryos/larvae.* Comparative Biochemistry and Physiology - Part D IF: 3.0 (Q1)

**2020.** McNairn M, **Brito A**, Dillard K, Heath H, Pantaleon M, Fanter R, Pilolla K, Amin S, La Frano MR. *Postprandial Dried Blood Spot-Based Nutritional Metabolomic Analysis Discriminates a High-Fat, High-Protein Meat-Based Diet from a High Carbohydrate Vegan Diet: A Randomized Controlled Crossover Trial.* J Acad Nutr Diet (Q1)

**2020.** da Silva MT, Mujica-Coopman MF, Figueiredo AC, Hampel D, Vieira LS, Farias DR, Shahab-Ferdows S, Allen LH, **Brito A**, Lamers Y, Kac G, Vaz JS. *Maternal plasma folate concentration is positively associated with serum total cholesterol and low-density lipoprotein across the three trimesters of pregnancy.* Scientific Reports (Q1)

**2020.** Dingeo G, **Brito A**, Samouda H, Iddir M. La Frano MR, Bohn T. *Phytochemicals as modifiers of gut microbial communities.* Food & Function (Q1)

**2020.** Iddir M, **Brito A**, Dingeo G, [...], Bohn T. *Strengthening the Immune System and Reducing Inflammation and Oxidative Stress through Diet and Nutrition: Considerations during the COVID-19 Crisis.* Nutrients (Q1)

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