Revised August 07, 2025

Chilean citizen, born 1982

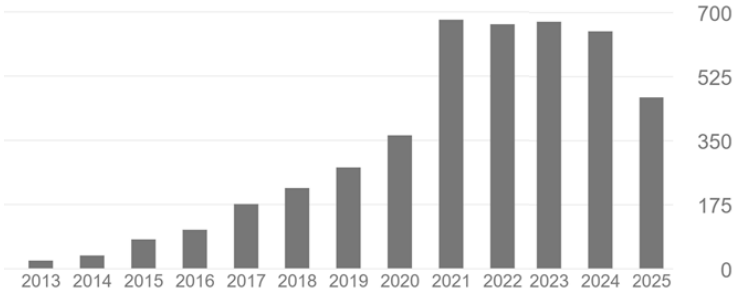
Curriculum Vitae
Alex Brito, PhD
alexbritophd@gmail.com
www.alexbritophd.com

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

Google Scholar Link ResearchGate Link

ORCID ID: 0000-0002-6212-8814
Web of Science ResearchID: I-2858-2013
Scopus ID: 53863211500

	All	Since 2020
Citations	4586	3568
h-index	27	23
i10-index	55	41



Metrics
Peer-reviewed publications: 82
First, second and last authorships: >50
Q1-Q2 publications: >60
Book chapter/policy brief: 11
Invited speaker invitations: 31
Abstracts presented at scientific meetings: 75

Positions

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

Since 2024. **Research Professor (Nutritional Sciences)**
Universidad San Sebastián, Campus Patagonia, Chile

2023-2024-2025 ***Specialist in Systematization of Nutrition Information/ Specialist in Food Security and Nutrition Diagnosis*** & ***Specialist in Systematic Reviews with a focus on Nutrition***
FAO Subregional Office for Mesoamerica, Panama & Regional Office for Latin America and the Caribbean, Santiago, 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

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

Spanish (Native language)
English (Fluent)
French/Portuguese/Italian/Russian (Basic)

Statistical software and visualizations tools

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

Certified Training UNICEF, WFP and FAO

2025 BSAFE (Multilanguage)
2025 Achieving Gender Equality in FAO's Work
2025 Prevention of Fraud and Other Corrupt Practices
2025 Protection from Sexual Exploitation and Abuse (PSEA)
2025 Prevention of Harassment, Sexual Harassment and Abuse of Authority
2025 FAO's Whistleblower Protection Policy
2025 United Nations Course on Working Together Harmoniously
2025 Ethics and Integrity at the United Nations
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

Certified Training in Writing and Publishing (Nature Masterclasses) and others

2025 Fast Facts: Oncology and Nutrition (European Accreditation Council for Medical Education)
2019 Focus on Peer Review
2019 Publishing a research paper
2019 Writing and publishing a review paper
2019 Writing a research paper

Certified Laboratory and Research training at UC Davis and at Luxembourg Institute of Health

2020 Laboratory Training Luxembourg Institute of Health (Luxembourg)
2016 Safe use of biological safety cabinets/ Fume hood training/ Cyber security awareness training (Davis)
2015 Laboratory safety/ Laboratory safety fundamentals (Davis)
2014 Compliance briefing: ethical values and conduct (Davis)
2012 Compliance & conflict of interest for Researchers Briefing (Davis)

Society memberships

American Society for Nutrition
Metabolomics Society

Participation as peer reviewer

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

Participation as chair and selection of awards

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

2017 Chair Session 7: Nutrition during pregnancy and infancy 11th International Conference on Homocysteine and One Carbon Metabolism Meeting, Aarhus, Denmark

2017 Selected awards for oral presentations and flash communications 11th International Conference on Homocysteine and One Carbon Metabolism Meeting, Aarhus, Denmark

Expert committee, Research Groups and Editorial Work

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
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.

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)
2025. 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.
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. Folatos y vitamina B12. Facultad de Medicina, University of Chile
2012. López de Romaña D, Olivares M, **Brito A**, Cediel 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 ferropriva en una muestra representativa de las regiones Metropolitana y Quinta de beneficiarios del PNAC". Ministerio de Salud Chile, Dic 2009.

Teaching experience

Since 2024. 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. C*apacity 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

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

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

2025. 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).*

2025. 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).*

2025. Luevano J, Heath H, Baskhanova S, Savitksy 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. 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, Fahrmann 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, Kukharenko 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, Degreef 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, Kukharenko 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)

2020. Markin P, **Brito A**, Moskaleva NE, [...], Appolonova SA. *Plasma metabolomic profile in prostatic intraepithelial neoplasia and prostate cancer and associations with the prostate-specific antigen and the Gleason score.* Metabolomics (Q1)
2020. Savchuk SA, Palacio C, Artyom Gil, [...], **Brito A**, Appolonova SA. *Determination of the chemical composition of alcoholic beverages by gas chromatography-mass spectrometry.* Journal of Food Processing and Preservation (Q1)

2020. Frano ML, **Brito A**, Johnson CM [...] Newman JW. Metabolomics Reveals Altered Hepatic Bile Acids, Gut Microbiome Metabolites, and Cell Membrane Lipids Associated with Marginal Vitamin A Deficiency in a Mongolian Gerbil Model. *Molecular Nutrition & Food Research* (Q1)

2020. Kukharenko A, **Brito A**, Kozhevnikova MV [...] Appolonova SA. *Relationship between the plasma acylcarnitine profile and cardiometabolic risk factors in adults diagnosed with cardiovascular diseases* Clinica Chimica Acta (Q1)

2020. Markin P, **Brito A**, Moskaleva N. E. [...] Appolonova SA. *Plasma Sarcosine Measured by Gas Chromatography-Mass Spectrometry Distinguishes Prostatic Intraepithelial Neoplasia and Prostate Cancer from Benign Prostate Hyperplasia.* Laboratory Medicine (Q3)

2019. Anaya Loyola MA, **Brito A**, Vergara-Castañeda H, [...] Allen LH. *Low Serum B12 Concentrations Are Associated with Low B12 Dietary Intake But Not with Helicobacter pylori Infection or Abnormal Gastric Function in Rural Mexican Women.* Nutrients (Q1)

2019. Kukharenko A, **Brito A**, Yashin YI [...] Appolonova SA. *Total antioxidant capacity of edible plants commonly found in East Asia and the Middle East determined by an amperometric method* Journal of Food Measurement and Characterization (Q2)
2019. Appolonova SA, Covadonga P, Shestakova KM, Mesonzhnik NV, **Brito A**, Kuznetsov RM, Markin PA, Bochkareva NL, Burmykin D, Ovcharov M, Musile G, Tagliaro F, Savchuk SA. *In vivo and in vitro metabolism of the novel synthetic cannabinoid 5F-APINAC.* Forensic Toxicology. doi: 10.1007/s11419-019-00503-z. (Q1)

2019. Anaya-Loyola M, **Brito A**, Brown KH, Allen L.H. *Breast milk provides inadequate amounts of vitamin B12 for predominantly breastfed Guatemalan infants.* International Journal for Vitamin and Nutrition Research. doi: 10.1024/0300-9831/a000583. (Q2)

2019. Anaya-Loyola M, **Brito A**, Villalpando S, Allen LH. *Prevalence and predictors of low serum vitamin B12 in Mexican children and women: results from the first National Nutrition Survey (1999) as a basis for interventions and progress* International Journal for Vitamin and Nutrition Research. doi: 10.1024/0300-9831/a000579. (Q2)

2018. Shestakova KM, **Brito A**, Mesonzhnik NV, Moskaleva NE, Kurynina KO, Gretskaya NM, Serkov IV, Lyubimov II, Bezuglov VV, Appolonova SA. *Rabbit plasma metabolomic analysis of Nitroproston®: a multi target natural prostaglandin based-drug*. Metabolomics. doi: 10.1007/s11306-018-1413-1 (Q1)

2018. Brito A, Habeych E, Silva-Zolezzi I, Galaffu N, Allen LH. *Methods to assess vitamin B-12 bioavailability and technologies to enhance its absorption*. Nutrition Reviews. doi: 10.1093/nutrit/nuy026. (Q1)

2017. Green R, Allen LH, Bjørke Monsen A-L, **Brito A**, Gueant JL, Miller JW, Molloy AM, Nexo E, Stabler S, Toh B-H, Ueland PM, Yajnik C. *Vitamin B12 deficiency* Nature Review Disease Primers 29;3:17040 doi:10.1038/nrdp.2017.40. (Q1)

2017. Brito A, Grapov D, Fahrmann J, Harvey D, Green R, Miller JW, Fedosov SN, Shahab-Ferdows S, Hampel D, Pedersen T, Fiehn O, Newman JW, Uauy R and Allen LH. *The human serum metabolome of vitamin B-12 deficiency and repletion and associations with neurological function.* Journal of Nutrition. doi: 10.3945/jn.117.248278 (Q1)

2017. Cunha Figueiredo AC, Guedes Cocate P, Amorim Adegboye AR, Franco-Sena AB, Farias DR, Trindade de Castro MB, **Brito A**, Allen LH, Mokhtar R, Holick MF, Kac G. *Changes in plasma concentrations of 25-hydroxyvitamin D and 1,25-dihydroxyvitamin D during pregnancy: A Brazilian cohort* European Journal of Nutrition doi: 10.1007/s00394-017-1389-z. (Q1)

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