

# Curriculum Vitae

**Sofiane BOUDALIA (Ph.D.)**

**Researcher in *Sustainable Food and Agriculture (Food Security and Climate Change)***

Professional address: Faculty of Natural Sciences, Life Sciences, Earth, and the Universe


Department of Ecology and Environmental Engineering

8 Mai 1945 University, Guelma-Algeria

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Languages: English, French, and Arabic

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## **EDUCATION**

- University qualification (lecturer), Section 65 (2021 campaign, France).
- Accreditation to direct research (*Habilitation Universitaire*) in Food Science, Chadli Ben Jdid University, El Tarf-Algeria (4/2017).
- Graduate Certificate in Clinical Research, Clinact CRO, Paris-France (04/2013-06/2013).
- PhD in Food Science (Food Quality and Security), Burgundy University, Dijon-France (2009-2013).
- Interuniversity Diploma, Animal Experimentation Level I, École Normale Supérieure (ENS), Lyon-France (06/2012).
- Master degree in Food Science, AgroSup Dijon, Dijon-France (2008-2009).
- Bachelor in Cell Biology and Physiology, Burgundy University, Dijon-France (2007-2008).

### *Short-term training:*

- Climate change and gender dimension; African Women in Agricultural Research and Development organisation (AWARD: <https://awardfellowships.org/>). Nairobi, Kenya (2021: 7 weeks).
- Transversal Accelerator on-site Training Program (TAP). Department of Methods and Models for Economics; Territory and Finance (MEMOTEF). Sapienza University, Rome, Italy (2019: two weeks).
- Training "*Business skills approach*". Environmental Competence Center (Forem) Mons, Belgium. <https://www.formation-environnement.be/> (2016: two weeks).

## **PROFESSIONAL EXPERIENCE**

- Université 8 Mai 1945 Guelma-Algeria.  
Department of Ecology and Environmental Engineering  
*Associate Professor in Sustainable Food and Agriculture, 01-05-2017 to present.*
- Lisbon University, Lisbon-Portugal.  
Faculty of Veterinary Medicine, Animal Production and Nutrition Lab  
*Visiting fellow (Sustainable animal feed), 01-06-2023 to 01-12-2023.*
- Université 8 Mai 1945 Guelma-Algeria.  
Department of Ecology and Environmental Engineering  
*Assistant Professor in Sustainable Food and Agriculture, 01-10-2014 to 30-04-2017.*
- University Hospital Center (CHU), Amiens-France.  
ONCOPIC (Regional network of oncology in Picardy)  
*Researcher (Oncology & Nutrition), 2014.*

- Burgundy University, Dijon-France.

The French National Institute for Agricultural Research (INRA)/ The Centre for Taste and Feeding Behavior (CSGA)

PhD candidate, Food Safety and Toxicology, 2009 to 2013.

## **TECHNICAL SKILLS**

- Areas of expertise: Sustainable food and nutrition, Agriculture sustainability (climate change impacts), Dietary and environment risk assessment (heavy metals, endocrine disruptors ...), Food security, Climate Smart Agriculture, sustainable livestock (cattle, camel and goat).
- Regulatory Affairs: follow regulatory developments at local and international levels.
- Statistical data analysis, data visualization and analytical tools (R and Cortext Manager...).
- Analytical techniques: Molecular biology; ELISA techniques; Histology; Good knowledge of bioinformatics; Cell culture; Atomic Absorption Spectroscopy; Animal experimentation.
- Project management (monitoring and reporting: FP7, Erasmus Capacity Building).
- Oral results presentations and communication skills.
- Proposals' submission, funding acquisition, project Administration, conceptualization, supervision, data curation and formal analysis, methodology design, writing scientific publications and technical reports.

## **EXPERTISE AND EVALUATION**

- Mediterranean Experts on Climate and environmental Change (MedECC), 2021 2023  
Reviewer, MedECC Special Report on Coastal Environmental and Climate Risks in the Mediterranean  
Reviewer, MedECC Special Report on the Climate-Water-Energy-Food-Energy nexus
- Intergovernmental Panel on Climate Change (IPCC), 2022  
Reviewer, First Order Draft of the Synthesis Report (SYR) of the IPCC Sixth Assessment Report (AR6)
- The Czech Science Foundation (GACR: <https://gacr.cz/en/>), 2020 Research projects evaluator (*Environmental Toxicology*)
- Directorate General for Scientific Research and Technological Development (Algeria); Thematic Agency for Research in Health and Life Sciences, 2022  
Research projects evaluator (National Research Programs)
- Directorate General for Scientific Research and Technological Development (Algeria); Thematic Agency for Research in Biotechnology and Agrifood Sciences, 2020  
Evaluator of the reports of the activities of the research laboratories
- Madiba expertise, Bonn, Allemagne (<https://www.madiba.group/>), 2022  
Evaluator of research, development and cooperation projects in sustainable food and agriculture, climate change (Adaptation, Mitigation, and Resilience).

## **PUBLICATIONS (PEER-REVIEWED JOURNALS)**

- 1- « *Groundwater potential mapping using GIS and remote sensing techniques: A SWOT analysis from Tamlouka Plain, Northeast Algeria* ». Yassine Gueroui, Sofiane Boudalia, Aissam Bousbia, Mohamed Guettaf, Mahdid Benaissa, Imane Chaoui, Rima Rouabhia, Ammar Maoui. *Water Resources*. (2024). **ACCEPTED**
- 2- « *Educating Consumers: Making Informed Choices for Better Health* ». Sofiane Boudalia, Abderrahmane Aït-Kaddour, Maria Perez-Jimenez, Fernando Capela e Silva, Anissa Zergui, Elsa Lamy. In, *Unleashing the Power of Functional Foods and Novel Bioactives*. **ACCEPTED**
- 3- « *Evaluating Weight Status, Snacking Patterns, and Physical Activity Levels Among Primary Schoolchildren in Relizane, Algeria: A Comprehensive Analysis* ». *Public Health Nursing*. (2024). <https://doi.org/10.1111/phn.13422>. Hadri, Z., Benada, M. h., Boumaaza, B., and Boudalia, S.
- 4- « *A systematic review of potential toxic elements contamination in coastal and freshwater sediments from Algeria over the past two decades* ». *Regional Studies in Marine Science* 79, 103819 (2024).

<https://doi.org/10.1016/j.rsma.2024.103819>. Boudebbouz, A., Gueroui, Y., Boussadia, M. I., Zergui, A., Bousbia, A., and Boudalia, S.

5- « *Hydrochemical characterization and evaluation of irrigation water quality using indexing approaches, multivariate analysis, and GIS techniques in K'sob Valley, Algeria* ». *Journal of African Earth Sciences* 219, 105385 (2024). <https://doi.org/10.1016/j.jafrearsci.2024.105385>. Benaïssa, M., Gueroui, Y., Guettaf, M., Boudalia, S., Bousbia, A., Ouartsi, A., Maoui, A.

6- « *Gendered Gaps in the Adoption of Climate-Smart Agriculture in Africa and How to Overcome Them* ». *Sustainability* 16, 5539 (2024). <https://doi.org/10.3390/su16135539>. Boudalia, S., Dawit Teweldebirhan, M., Ariom, T.O., Diouf, N.S., Nambeye, E., Mwatitha Gondwe, T., Mbo'o-Tchouawou, M., Okoth, S.A., Huyer, S.

7- « *Typology analysis of cattle farms in Northeast Algeria: Potential for sustainable development* ». *Agricultural Systems*. 218, 103995 (2024). <https://doi.org/10.1016/j.agsy.2024.103995>. Aïssam Bousbia, Yassine Gueroui, Abdellah Aouadi, Mahilet Dawit Teweldebirhan, Rui José Branquinho Bessa, George Symeon, Sofiane Boudalia.

8- « *Alternative Approaches to Feeding Small Ruminants and Their Potential Benefits* ». *Animals*, 14(6) (2024). <https://doi.org/10.3390/ani14060904>. Boudalia, S., Smeti, S., Dawit, M., Senbeta, E. K., Gueroui, Y., Dotas, V., Bousbia, A., & Symeon, G. K.

9- « *Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021* ». *The Lancet*. (2024). [https://doi.org/10.1016/S0140-6736\(24\)00476-8](https://doi.org/10.1016/S0140-6736(24)00476-8). Schumacher, A.E., Kyu, H.H., Aali, A., Abbafati, C., Abbas, J., ..... Boudalia, S., ..... , Murray, C.J.L.

10- « *Food quality 4.0: contribution to sustainability* ». In, *Food Industry 4.0: Emerging Trends and Technologies in Sustainable Food Production and Consumption* (2024). <https://doi.org/10.1016/B978-0-443-15516-1.00003-7>. Abderrahmane Aït-Kaddour, Sofiane Boudalia, Fatih Özoğul, Semra Çiçek, Yana Cahyana, Zuhaib F. Bhat.

11- « *Valorization of agri-food waste and by-products in cheese and other dairy foods: An updated review* ». *Food Bioscience* 103751 (2024). <https://doi.org/10.1016/j.fbio.2024.103751>. Tarchi, I., Boudalia, S., Ozogul, F., Câmara, J.S., Bhat, Z.F., Hassoun, A., Perestrelo, R., Bouaziz, M., Nurmilah, S., Cahyana, Y., Aït-Kaddour, A.

12- « *Groundwater quality and hydrochemical characteristics in the upper Seybouse sub-basin, Northeast Algeria* ». *Environmental Science and Pollution Research*. (2024). <https://doi.org/10.1007/s11356-024-32716-0>. Gueroui, Y., Bousbia, A., Boudalia, S., Touati, H., Benaïssa, M., Maoui, A.

13- « *Trace elements in tea in Ouargla, Algeria and health risk assessment* ». *Food Additives & Contaminants: Part B*. (2024). <https://doi.org/10.1080/19393210.2024.2304233>. Anissa Zergui, Mohamed Amine Kerdoun, Sofiane Boudalia.

14- « *Developmental effects on Daphnia magna induced by Titanium dioxide and Iron oxide mixtures* ». *Environmental Research Communications*. (2024). <https://doi.org/10.1088/2515-7620/ad19f2>. Chorfi A, Zebba R, Boudalia S, Amari H, Bensouilah S, Bensakhri Z, Djekoun M, Bensoltane S.

15- « *Phytochemical, antioxidant identification, and antibacterial activity of a traditional medicinal plant, Cornulaca monacantha Del.* ». *Vegetos*. (2024). <https://doi.org/10.1007/s42535-023-00776-1>. Boussadia MI, Gueroui Y, Abdaoui MZ, Ayad D, Mdjabra A, Boudebbouz A, Boumaaza B, Boudalia S.

16- « *Milk quality and production under climate change uncertainty: case of the Algerian cattle breed* ». *Journal of Agriculture and Environment for International Development (JAEID)* 117, 123-142. (2023). <https://doi.org/10.36253/jaeid-15000>. Boudebbouz A, Bousbia A, Khelifa R, Boussadia MI, Ben Chabane A, Boumendjel L, Sahri M, Chemmam DA, Gueroui Y, Symeon G, Boudalia S.

17- « *Camel livestock in the Algerian Sahara under the context of climate change: milk properties and livestock production practices* ». *Journal of Agriculture and Food Research*, 100528. (2023). <https://doi.org/10.1016/j.jafr.2023.100528>. Sofiane BOUDALIA, Yassine GUEROUI, Rabah ZEBBA, Tarek ARBIA, Ammar Elhassen CHIHEB, M'hamed BENADA, Zouheyr HADRI, Abdeldjalil YOUCEFI, Aïssam BOUSBIA.

- 18- « *Evaluation of the adulteration of camel milk by non-camel milk using multispectral image, fluorescence and infrared spectroscopy* ». *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 300, 122932. (2023). <https://doi.org/10.1016/j.saa.2023.122932>. Boukria O, Boudalia S, Bhat ZF, Hassoun A, Aït-Kaddour A.
- 19- « *Monitoring of iodine supplementation in table salts by ICP-MS and possible health risks of iodine deficiency in Algeria* ». *Food Chemistry Advances*, 2, 100230. (2023). <https://doi.org/10.1016/j.focha.2023.100230>. Anissa Zergui, Sofiane Boudalia, Marlie Landy Joseph, Sebastiano Venturi.
- 20- « *Heavy metals in honey and poultry eggs as indicators of environmental pollution and potential risks to human health* ». *Journal of Food Composition and Analysis*, 119, 105255 (2023). <https://doi.org/10.1016/j.jfca.2023.105255>. Zergui, Sofiane Boudalia, Marlie Landy Joseph.
- 21- « *Evaluation of Trace Metallic Element levels in coffee by ICP-MS: a comparative study among different origins, forms, and packaging types and consumer risk assessment* ». *Biological Trace Element Research*. (2023) <https://doi.org/10.1007/s12011-023-03582-7>. Anissa Z, Sofiane B, Adda A, Marlie-Landy J.
- 22- « *Climate-Smart Agriculture in African Countries: A Review of Strategies and Impacts on Smallholder Farmers* ». *Sustainability* 14, no. 18: 11370. (2022). <https://doi.org/10.3390/su141811370>. Ariom, Thaddaeus Obaji, Elodie Dimon, Eva Nambeye, Ndèye Seynabou Diouf, Oludotun Olusegun Adelusi, and Sofiane Boudalia.
- 23- « *Effect of salinity levels on antifungal activity of essential oil from Thymus against Fusarium oxysporum* ». *Rev. Fac. Agron. (LUZ)*. 39(3): e223941 (2022). [https://doi.org/10.47280/RevFacAgron\(LUZ\).v39.n3.07](https://doi.org/10.47280/RevFacAgron(LUZ).v39.n3.07). Boualem Boumaaaza, M'hamed Benada, Sofiane Boudalia, Ibrahim E. Benzohra, Abdelhamid Gacemi, Omar Khaladi, Mohamed Benkhelifa.
- 24- « *Prevalence of obesity and effect of sport activity on university students in Algeria* ». *Scientific African*. 17:e01319 (2022). <https://doi.org/10.1016/j.sciaf.2022.e01319>. HADRI Zouheyr, BENADA M'hamed, DJELLOULI Mustapha, BOUDALIA Sofiane, RAHALI Abdellah, ARAF Ali.
- 25- « *Pesticide residues levels in raw cow's milk and health risk assessment across the globe: a systematic review* ». *Environmental Advances*. 100266 (2022). <https://doi.org/10.1016/j.envadv.2022.100266>. Ali BOUDEBBOUZ, Sofiane BOUDALIA, Meriem Imen BOUSSADIA, Yassine GUEROUI, Safia HABILIA, Aissam BOUSBIA, George K. SYMEON.
- 26- « *The exploration and exploitation of shale gas in Algeria: Surveying key developments in the context of climate uncertainty* ». *The Extractive Industries and Society*, 101115 (2022). <https://doi.org/10.1016/j.exis.2022.101115>. Sofiane BOUDALIA, Sheila A. OKOTH, Rabah ZEBSA.
- 27- « *Determination of Heavy Metal Levels and Health Risk Assessment of Raw Cow Milk in Guelma Region, Algeria* ». *Biological Trace Element Research*, 101115 (2022). <https://doi.org/10.1007/s12011-022-03308-1>. Boudebbouz, A., Boudalia, S., Bousbia, A., Gueroui, Y., Boussadia, M. I., Chelaghmia, M. L., Zebza, R., Affoune, A. M., and Symeon, G. K.
- 28- « *Demographics of indigenous bovine cattle farms in Greece, Tunisia and Algeria* ». *Options Méditerranéennes A - Addressing the challenges of agro-pastoral farming systems to strengthen their resilience. Zaragoza: CIHEAM*. no. 129, 2022 <http://om.ciheam.org/om/pdf/a129/a129.pdf>. D. Tsiokos, A. Bousbia, S. Ben Said, Y. Gueroui, S. Boudalia, A. Mohamed-Brahmi, S. Smeti, M. Anastasiadou, G. Symeon.
- 29- « *Challenges and Opportunities of the Mediterranean Indigenous Bovine Populations: Analysis of the Different Production Systems in Algeria, Greece, and Tunisia* ». *Sustainability* 14, 3356 (2022). <https://doi.org/10.3390/su14063356>. Aziza Mohamed-Brahmi, Dimitrios Tsiokos, Samia Ben Saïd, Sofiane Boudalia, Samir Smeti, Aissam Bousbia, Yassine Gueroui, Ali Boudebbouz, Maria Anastasiadou and George K. Symeon.
- 30- « *Relationship between endocrine disruptors and obesity with a focus on bisphenol A: a narrative review* ». *BioImpacts* 11(4): 289-300 (2021). <https://doi.org/10.34172/bi.2021.33>. Sofiane BOUDALIA, Aissam BOUSBIA, Boualem BOUMAAZA, Malha OUDIR, Marie Chantal CANIVENC LAVIER.
- 31- « *Use of multivariate analysis as a tool in the morphological characterization of the main indigenous bovine ecotypes in northeastern Algeria* ». *PlosOne* 16(7): e0255153 (2021). <https://doi.org/10.1371/journal.pone.0255153>. Aissam BOUSBIA, Sofiane BOUDALIA, Yassine GUEROUI, Kamel HADDED, Abdelkader BOUZAOU, Dounia KIBOUB, George SYMEON.

- 32- « *Isolation and efficacy of two bacterial strains antagonists of *Erwinia amylovora* and *Pectobacterium carotovorum** ». *Egypt J Biol Pest Control* 31, 105 (2021). <https://doi.org/10.1186/s41938-021-00443-0>. M'hamed BENADA, Boualem BOUMAAZA, Sofiane BOUDALIA, Omar KHALADI.
- 33- *Effect of high temperature, short time (HTST) pasteurization on milk quality intended for consumption*. *Asian Journal of Dairy and Food Research*, 2021, DR-210. <https://doi.org/10.18805/ajdfr.DR-210>. Aissam Bousbia, Yacine Gueroui, Sofiane Boudalia, Mhamed Benada, Mabrouk Chemmam.
- 34- « *BOVISOL Project: Breeding and Management Practices of Indigenous Bovine Breeds: Solutions Towards a Sustainable Future* ». *Sustainability*, 2020, 12(23), 9891. <https://doi.org/10.3390/su12239891>. Sofiane Boudalia, Samia Ben Said, Dimitrios Tsiokos, Aissam Bousbia, Yassine Gueroui, Aziza Mohamed-Brahmi, Samir Smeti, Maria Anastasiadou and George Symeon.
- 35- « *Evaluation of physicochemical properties and sensory qualities of pasta enriched with freeze-dried sweet whey* ». *Scientia Agriculturae Bohemica (SAB)*, 2020. 51(3): 75–85. <https://doi.org/10.2478/sab-2020-0010>. Sofiane BOUDALIA, Yassine GUEROUI, Boualem BOUMAZA, Aissam BOUSBIA, Mhamed BENADA, Choubaila LEKSIR, El Yamine MEZROUA, Khadija Ryma ZEMMOUCHI, Afaf SAOUD and Mabrouk CHEMMAM.
- 36- « *The Effect of Mixing Milk of Different Species on Chemical, Physicochemical, and Sensory Features of Cheeses: A Review* ». *Foods*. 2020. 9, 1309. <https://doi.org/10.3390/foods9091309>. Oumayma BOUKRIA, El Mestafa EL HADRAMI, Sofiane BOUDALIA, Jasur SAFAROV, Françoise LERICHE, Abderrahmane AIT KADDOUR.
- 37- « *Heavy metals levels in raw cow milk and health risk assessment across the globe: A systematic review* ». *Science of The Total Environment*. 2020, 141830. <https://doi.org/10.1016/j.scitotenv.2020.141830>. Ali Boudebouz, Sofiane Boudalia, Aissam Bousbia, Safia Habila, Meriem Imen Boussadia, Yassine Gueroui.
- 38- « *Milk heat treatment affects microbial characteristics of cows' and goats' "Jben" traditional fresh cheeses* ». *Food Sci. Technol.* 41(1): 136-143, July-Sep. 2021. Epub July 06, 2020. ISSN 0101-2061. <https://dx.doi.org/10.1590/fst.00620>. Dahmane TADJINE, Sofiane BOUDALIA, Aissam BOUSBIA, Yassine GUEROUI, George SYMEON, Lamia MEBIROUK BOUDECHICHE, Aicha TADJINE, Mabrouk CHEMMAM.
- 39- « *Characterization of traditional Algerian cheese "Bouhezza" prepared with raw cow, goat and sheep milks* ». *Food Sci. Technol.* 40(suppl.2): 528-537. 2020. Epub July 17, 2020. ISSN 1678-457X. <https://doi.org/10.1590/fst.35919>. Sofiane BOUDALIA, Ali BOUDEBBOUZ, Yassine GUEROUI, Aissam BOUSBIA, Mhamed BENADA, Choubaila LEKSIR, Zeki BOUKAABENE, Aya SAIHI, Hadjer TOUAIMIA, Abderrahmane AÏT-KADDOUR, Mabrouk CHEMMAM.
- 40- « *Pasteurization effects on yield and physicochemical parameters of cheese in cow and goat milk* ». *Food Sci. Technol*, 40(3): 580-587, July-Sep. 2020. Epub Dec 13, 2019. ISSN 0101-2061. <http://dx.doi.org/10.1590/fst.13119>. TADJINE Dahmane, BOUDALIA Sofiane, BOUSBIA Aissam, KHELIFA Rassim, MEBIROUK BOUDECHICHE Lamia, TADJINE Aicha, CHEMMAM Mabrouk.
- 41- « *Traditional dairy products in Algeria: case of Klila cheese* ». *Journal of Ethnic Foods*, 6(1), 7: 2019. <https://doi.org/10.1186/s42779-019-0008-4>. Choubaila LEKSIR, Sofiane BOUDALIA, Nizar MOUJAHED and Mabrouk CHEMMAM.
- 42- « *Heavy metals concentrations in raw cow milk produced in the different livestock farming types in Guelma province (Algeria): contamination and risk assessment of consumption* ». *The Journal of Animal and Plant Sciences*. 29(2): 2019, Page: 386-395. Aissam Bousbia, Sofiane Boudalia, Yacine Gueroui, Ghebache Rahim, Amrouchi Marwa, Belaize Bochra, Soumia Meguelati, Boussad Belkheir, Mohamed Benidir and Mohamed Lyamine Chelaghmia.
- 43- « *Variability of virulence and aggressiveness of *Erwinia carotovora* subsp. *carotovorum* causing the soft rot on potato tubers in the western of Algeria* ». *International Journal of Plant Biology*. 9(1), 2018. <https://doi.org/10.4081/pb.2018.7568>. M'hamed BENADA, Boualem BOUMAAZA, Sofiane BOUDALIA, Omar KHALADI, Bettache GUESSAS.
- 44- « *Effects of different levels of saline water on infection of tomato by *Botrytis cinerea*, the causal agent of gray mold* ». *Indian J. Agric. Res.*, 52(5) 2018: 530-535. <https://doi.org/10.18805/IJARE.A-327>. Boumaaza Boualem, Boudalia Sofiane, Gacemi Abdelhamid, Benzohra.I. E, Benada M'hamed, Benkhalifa Mohamed and Khaladi Omar.

- 45- « *Nutritional and hygienic quality of raw milk intended for consumption in the region of Guelma, Algeria* ». *Asian J. Dairy & Food Res*, 37(3) 2018: 192-196. <https://doi.org/10.18805/ajdfr.DR-123>. A. Bousbia, S. Boudalia, Y. Gueroui, B. Belaize, S. Meguelati, M. Amrouchi, R. Ghebache, B. Belkheir and M. Benidir.
- 46- « *Male rat exposure to low dose of di(2-ethylhexyl) phthalate during pre-pubertal, pubertal and post-pubertal periods: impact on sperm count, gonad histology and testosterone secretion* ». *Reproductive Toxicology*, Vol. 75, pp 33–39, January 2018. <https://doi.org/10.1016/j.reprotox.2017.11.004>. Malha OUDIR, Henni CHADER, Bachir BOUZID, Kheira BENDISARI, Batoul LATRECHE, Sofiane BOUDALIA, Mokrane IGUER-OUADA.
- 47- « *Endocrine disruptors: history and difficulties in predicting effects* ». *Insights Nutr Metabol*. 2017;1(2):1-2. Sofiane BOUDALIA.
- 48- « *Aroma characterization of ripe date fruits (Phoenix dactylifera L.) from Algeria* ». *African Journal of Biotechnology*, Vol. 16(42), pp. 2054-2061, 18 October, 2017. <https://doi.org/10.5897/AJB2017.16222>. El Yamine MEZROUA, AbdelNacer AGLI, Guido FLAMINI, Sofiane BOUDALIA and Hayet OULAMARA.
- 49- « *Analysis of Factors Affecting Consumer Behavior of Dairy Products in Algeria: A Case Study from the Region of Guelma* ». *International Journal of Agricultural Research*, Volume 12, Number 2, 93-101, 2017. <https://doi.org/10.3923/ijar.2017.93.101>. Aissam BOUSBIA, Sofiane BOUDALIA, Sarra CHELIA, Karima OUDAIFIA, Hanane AMARI, Mohamed BENIDIR, Boussad BELKHEIR and Sofiane HAMZAOU.
- 50- « *Early Endocrine Disruptors Exposure Acts On 3T3-L1 Differentiation And Endocrine Activity* ». *Bioimpacts*. 2017 ;7(2):83-89. <https://doi.org/10.15171/bi.2017.11>. Sofiane BOUDALIA, Christine BELLOIR, Marie-Louise MILLER, Marie-Chantal CANIVEC-LAVIER.
- 51- « *Evaluation of the Stability of the Physico-chemical Properties and Sensory Qualities of Farfalle Pasta from the Region of Guelma, Algeria* ». *Mal J Nutr*, 2016 Dec. 22(3): 443-453. Sofiane BOUDALIA, El Yamine MEZROUA, Aissam BOUSBIA, Manel KHALDI, Warda MERABTI & Hacéne NAMOUNE.
- 52- « *Bisphenol-A: Legislation in Industrials Countries and in Algeria* ». *Research Journal of Environmental Toxicology. Res. J. Environ. Toxicol.*, 2016 April 15. 10:189-192. <https://doi.org/10.3923/rjet.2016.189.192>. Sofiane BOUDALIA and Malha OUDIR.
- 53- « *Physico-chemical properties and hygienic quality of raw and reconstituted milk in the region of Guelma-Algeria* ». *International Journal of Agricultural Research. Int. J. Agric. Res.*, 2015 March 15. 11: 77-83. <https://doi.org/10.3923/ijar.2016.77.83>. Sofiane BOUDALIA, Dalal BENATI, Radja BOUKHAROUBA, Besma CHEMAKH and Mabrouk CHEMMAM.
- 54- « *Enamel hypomineralization due to endocrine disruptors* ». *Connect Tissue Res*. 2014 Aug;55 Suppl 1:43-7. <https://doi.org/10.3109/03008207.2014.923857>. Katia Jedeon, Clémence Marciano, Sophia Loiodice, Sofiane Boudalia, Marie-Chantal Canivenc Lavier, Ariane Berdal, and Sylvie Babajko.
- 55- « *A Two-generation Study on Low-dose BPA Exposure in Wistar Rats: Effects on Maternal Behavior, Flavor intake and Development* ». *Neurotoxicology and teratology*, 2013 Nov 20. pii: S0892-0362(13)00217-1. <https://doi.org/10.1016/j.ntt.2013.11.002>. Boudalia Sofiane, Berges Raymond, Folia Mireille, Chabanet Claire, Decocq Laurence, Pasquis Bruno, Abdennebi-Najar Latifa and Canivenc-Lavier Marie-Chantal.
- 56- « *Oral homeostasis disruption by medical plasticizer component Bisphenol A in adult male rats* ». *The Laryngoscope*, 2013 Jun; 123(6):1405-10. <https://doi.org/10.1002/lary.23791>. Folia Mireille, Boudalia Sofiane, Ménétrier Franck, Decocq Laurence, Pasquis Bruno, Schneider Charles, Bergès Raymond, Artur Yves and Canivenc-Lavier Marie-Chantal.
- 57- « *Enamel defects reflect perinatal exposure to bisphenol A* ». *The American Journal of Pathology*, 2013 Jun 4. pii: S0002-9440(13)00279-4. <https://doi.org/10.1016/j.ajpath.2013.04.004>. Katia Jedeon, Muriel De la Dure-Molla1, Steven Brookes, Jennifer Kirkham, Marie-Chantal Canivenc-Lavier, Raymond Bergès, Sofiane Boudalia, Clémence Marciano, Sophia Loiodice, Hidemitsu Harada, Ariane Berdal1, Sylvie Babajko.
- 58- « *Sub-NOAEL amounts of vinclozolin and xenoestrogens target rat chondrogenesis in vivo* ». *Biochimie*, 2013 Dec 12. pii: S0300-9084(13)00438-0. <https://doi.org/10.1016/j.biochi.2013.12.001>. Thuy-Anh Auxietre, Marie-France Dumontier, Irene Balguy, Yves Frapart, Marie-Chantal Canivenc-Lavier, Raymond Berges, Sofiane Boudalia, Jacques Auger, Marie-Therese Corvol, Jean-François Savouret.

59- « *Perturbateurs Endocriniens Altérations Comportementales et Sensorielles* ». *ARET-Actualités*, parution octobre 2013. Marie-Chantal Canivenc-Lavier, [Sofiane Boudalia](#), Mireille Folia et Wided Kouidhi.

60- « *Effects of oral Bisphenol A exposure on sweet preference and on submandibular salivary gland structure in male adult rat* ». *La Revue de Geriatrie*, Tome 37, N°9 Nov 2012. Folia Mireille, [Boudalia Sofiane](#), Ménétrier Franck, Decocq Laurence, Pasquis Bruno, Schneider Charles, Bergès Raymond, Artur Yves and Canivenc-Lavier Marie-Chantal.

## **VISITS UNIVERSITIES/LABORATORIES**

1- December 01-08, 2024: *Erasmus teaching mobility*. GreenUPorto Sustainable Agrifood Production, Porto University, Portugal.

2- July 12-24, 2023: *Erasmus teaching mobility*. MED-Mediterranean Institute for Agriculture, Environment and Development & CHANGE-Global Change and Sustainability Institute, University of Évora, Portugal.

3- March 11-15, 2019: *Erasmus teaching mobility*. Faculty of Engineering; Department of Food Engineering, Ondokuz Mayıs University, Samsun, Turkey.

4- December 9-21, 2018: Visit to the laboratory of Environment and Microbiology Team (EEM), UMR CNRS 5142, Université de Pau et des Pays de l'Adour, Mont-de-Marsan. Pau, France. <https://iprem.univ-pau.fr/fr/index.html>

5- December 11-15, 2017: Visit to VetAgro Sup Campus Agronomique, Clermont-Ferrand, France.

6- December 01-11, 2017: Visit to the Centre for Taste and Feeding Behavior (CSGA), French National Institute of Agronomic Research (INRA), Dijon, France.

7- May 15-18 2017: Training "Internships and internship management". Université de Perpignan Via Domitia (UPVD). Perpignan, France.

8- December 01-21, 2016: Visit to the Centre for Taste and Feeding Behavior (CSGA), French National Institute of Agronomic Research (INRA), Dijon, France.

9- March 21-24 2016: Training "Business skills approach". Environmental Competence Center (Forem) Mons, Belgium. <https://www.formation-environnement.be/>

## **REVIEWER**

- [Sustainability](#)
- [Science of The Total Environment](#)
- [Scientific African](#)
- [Water, Air, & Soil Pollution](#)

## **COLLECTIVE RESPONSIBILITIES (PEDAGOGICAL AND ADMINISTRATIVE)**

- Ministry of Higher Education and Scientific Research, Algeria,
  - *Member of the National Commission for the Equivalence of Foreign Diplomas and University Degrees (since January 24, 2018).*
- University of 8 May 1945, Guelma-Algeria,
  - *Director of the Biology, Water and Environment Lab (since July 4<sup>th</sup>, 2024).*
  - *Member of the Quality Assurance Cell (since January 18, 2024).*
  - *Member of the commission responsible for drafting the institution's project (since 2017).*
- University of 8 May 1945, Guelma-Algeria,  
Faculty of Natural and Life Sciences and Earth and Universe Sciences (SNV-STU),  
Department of Ecology and Environmental Engineering (EGE),
  - *Member of the University Water, agriculture, food and environment subsidiary (since April 24, 2024).*
  - *Member of the Board of Directors (since May 7, 2024).*
  - *President of the Quality Assurance Cell (since January 18, 2024).*
  - *Member of the Scientific Committee of the EGE Department (since July 24, 2023).*
  - *President of the Scientific Committee of the EGE Department (since 01/24/2017).*

- *Member of the Scientific Council of the SNV-STU Faculty (since 24/01/2017).*
- *Member of the Disciplinary Council of the EGE Department.*
- *Member of the Disciplinary Council of the SNV-STU Faculty.*

## **FUNDING AND AWARDS**

- Best Presentation Award, 1<sup>st</sup> International Conference – *BeSafeBeeHoney*, *BEekeeping* products valorization and biomonitoring for the SAFETY of BEEs and HONEY, Larissa, Greece (May 28 – 30, 2024).
- Erasmus+ Teaching Mobility, Évora University, Évora, Portugal (2023).
- Fact-finding mission grant: Water/Energy/Food [WEF-NEX-LABS Project](#) (2023).
- Erasmus+ Teaching Mobility, Ondokuz Mayıs University, Samsun, Turkey (2019).
- [One Planet Fellowship](#). (Agriculture sustainability and climate change).
- Fellowship from the French National Institute for Agricultural Research (INRA), Division: Nutrition, Chemical Food Safety and Consumer Behavior. France.
- Fellowship from the Burgundy Council (Région Bourgogne), Dijon-France.
- Congress bursary from the French Society of Toxicology.



## RESEARCH GRANTS

Type of Grant	Role	Title of Project	AwardingBody	Duration	Grant Amount
Research grants TLR > 5	Principal Investigator	Development of innovative products based on QUINOA flour (ACTIVE-QUIN4HEALTH)	Directorate General for Scientific Research and Technological Development (DGRSDT)	36 months	Accepted (September 2024)
Research grants TLR > 3	Coordinator (6 countries)	Climate-smart livestock production in Arab countries (CSL4MENA)	Federation of Arab Scientific Research Councils (FASRC) Arab Research & Innovation Co-Funded Alliances : <a href="https://arica.fasrc.org/ar/">https://arica.fasrc.org/ar/</a>	36 months	100 000 Euros
Research grants	Principal Investigator (Algeria)	Alternative animal feeds in ruminant livestock to obtain Sustainable products (SUST-FEED4Rum)	Agropolis Foundation, European Union, International Development Research Centre (IDRC)	6 months	35 000 Euros
Research grants	Member (Guelma University)	Milk production and quality under the context of climate uncertainty	Directorate General for Scientific Research and Technological Development (DGRSDT)	01/2023 to 12/2026	15 000 Euros
Research grants TLR > 3	Principal Investigator (Algeria)	Breeding and management practices of indigenous bovine breeds: Solutions towards a sustainable future (BOVISOL)	European Commission under the ERA-NET Scheme of the 7 <sup>th</sup> Framework Programme	09/2018 to 3/2022	20 000 Euros
Erasmus+ Capacity Building	Project manager at the Faculty level (Guelma University)	Co-construction of a training Professional offer with high employability (COFFEE)	European Commission	09/2015 to 09/2018	18 600 Euros
Erasmus+ Capacity Building	Member (Guelma University)	Initiation of the Validation Process of Acquired Experience through higher education in Algeria – (InPROVE)	European Commission	09/2018 to 09/2022	15 000 Euros
Research grants TLR > 3	Member (Guelma University)	Sustainable Dairy production: Optimization of production techniques, valorization and quality control	Directorate General for Scientific Research and Technological Development (DGRSDT)	09/2017 to 09/2021	15 000 Euros
Research grants	Member INRA Dijon (France)	Continuous exposure to mixtures of Dietary Endocrine Disruptors at environmental doses: Impact on Reproduction, Development and Food Behavior	French National Research Agency	9/2009-03/2013	289 422 Euros