



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6663

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Medicina Veterinaria e Scienze Animali**

Scientist- in - charge

Karen Vanessa Munive Nuñez

CURRICULUM VITAE

PERSONAL INFORMATION

| | |
|---------|---------------|
| Surname | Munive Nuñez |
| Name | Karen Vanessa |

PRESENT OCCUPATION

| Appointment | Structure |
|-------------|---|
| 2024-03 | Universidad Científica del Sur (Adjunct Professor) |
| 2024-03 | Pontificia Universidad Católica del Perú (Head of Practice) |

EDUCATION AND TRAINING

| Degree | Course of studies | University | year of achievement of the degree |
|----------------|--|--|-----------------------------------|
| Degree | Biology | Universidad San Luis Gonzaga, Ica - Perú | 2011 |
| Specialization | Didactic and Pedagogical Processes for Distance Learning Courses | Universidade Virtual do Estado de São Paulo, Brazil. | 2023 |
| PhD | Food Science | Universidade Estadual de Campinas - SP, Brazil. | 2023 |
| Master | Food Science | Universidade Estadual de Campinas - SP, Brazil. | 2017 |

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

| Date of registration | Association | City |
|----------------------|---|------|
| 2024-03 | Universidad Científica del Sur (Adjunct Professor) | Lima |
| 2024-03 | Pontificia Universidad Católica del Perú (Head of Practice) | Lima |
| 2012-07 | Tagumedica S.A. | Lima |
| 2011-11 | Icatom Empresa Agroindustrial S.A. | Ica |



FOREIGN LANGUAGES

| Languages | level of knowledge |
|-----------|--------------------|
| Spanish | Native |
| Portugues | Advanced |
| English | Advanced |
| Italian | Basic |

TRAINING OR RESEARCH ACTIVITY

| Description of activity | Date |
|--|-----------------------------|
| Teaching assistant for course TA-918: "Microbiology and Fermentation" - Faculty of Food Engineering, State University of Campinas, Brazil. | February 2016 - August 2017 |
| Pedagogical facilitator at the Virtual University of the State of Sao Paulo. Courses: Project and Methods for Knowledge Production, Organization of Pedagogical Work, Basic Mathematics, Computational Thinking, and Fundamentals of Internet and Web. | August 2021 - July 2023 |
| Academic Supervisor for Undergraduate Research Project, State University of Campinas, Foundation for the Development of UNICAMP. Mentored students on their Scientific Initiation Project (PIBIC-EM). | August 2018 - July 2019 |
| Scientific Project Management, Universidad Peruana Cayetano Heredia, Lima, Perú. | July - September - 2020 |
| Project Mentor for Integrative Projects, Pedagogy Course, Virtual University of the State of São Paulo. Guided students in developing integrative projects. | February 2023 - July 2023 |
| Training in Waste Management, School of Food Engineering, University of Campinas, Brazil. | May 16, 2022 |
| Training in Mini-Vidas System, Unna Lab, Campinas, Brazil. | October 28-29, 2021 |

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

| Year | Description of award |
|-----------|--|
| 2016 | Teaching Assistance Scholarship, TA-918 "Microbiology and Fermentations" Sponsored by: School of Food Engineering, University of Campinas |
| 2014 | Exam for Academic Admission Process, First place - Master of Food Science, School of Food Engineering, University of Campinas |
| 2015-2017 | Master's Scholarship National Council for Scientific and Technological Development - _CNPq |
| 2018-2021 | Doctoral Scholarship National Council for Scientific and Technological Development - _CNPq |
| 2019 | Scientific Initiation Project Scholarship PRPG-UNICAMP, National Council for Scientific and Technological Development - _CNPq |
| 2021-2023 | Specialization Scholarship in Didactic and Pedagogical Processes for Distance Learning Courses Virtual University of the State of Sao Paulo, UNIVESP |



PROJECT ACTIVITY

| Year | Project |
|------|---|
| 2023 | Antimicrobial potential of essential oils against antibiotic-resistant, enterotoxin-producing, and biofilm-forming <i>Staphylococcus aureus</i> strains. |
| 2019 | Evaluation of Microbiological Quality, Antimicrobial Resistance Profile, and Molecular Identification of Ready-to-Eat Snacks Sold in the City of Campinas and Surrounding Areas |
| 2017 | Characterization of the genetic profile of <i>Listeria monocytogenes</i> isolated from fruit products: Frozen pulps and minimally processed fruits. |

CONGRESSES AND SEMINARS

| Date | Title | Place |
|-----------------------|--|---------------------------------------|
| January 2-4, 2024 | Speaker at the International Scientific Meeting, 2024 | Ricardo Palma University, Lima, Peru, |
| October 19-20, 2023 | Participant "Advancing Neglected Diseases Drug Discovery in Endemic Areas," | UNICAMP, Campinas, SP-Brazil. |
| May 16, 2022 | Training in Waste Management, Faculty of Food Engineering, University of Campinas, SP-Brazil, | UNICAMP, Campinas, SP-Brazil. |
| July 30-31, 2021 | Speaker at "II Conference on Formative Research Evidence: Biotechnology, Civil Engineering, and Global Business" | Bagua, Peru |
| October 28-29, 2021 | Training in Mini Vidas System, Unna Lab. | Campinas SP-Brazil |
| December 12-14, 2021 | 14th SLACA - Latin American Symposium on Food Science "Impact of Food Science on Health and Disease" | Campinas SP-Brazil |
| August 25-28, 2021 | XXV Latin American Congress of Microbiology - ALAM 2021. | Asunción, Paraguay. |
| September 18, 2020 | 1st Online Workshop on Molecular Biology and its Applications, | UNICAMP, Campinas, SP-Brazil. |
| September 02-03, 2020 | Discussion Cycles: Trends in Food Science and Technology. Federal Institute of Minas Gerais (IFMG) | Minas Gerais, Brazil. |
| November 10-12, 2019 | 13th SLACA - Latin American Food Science Symposium "The food of the future." | UNICAMP, Campinas, SP-Brazil. |

PUBLICATIONS

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| Articles in reviews |
| Title of the article: Antimicrobial Activity of Selected Essential Oils against <i>Staphylococcus aureus</i> from Bovine Mastitis |
| Authors: Munive Nuñez, K. V., Da Silva Abreu, A. C., Almeida, J. M. d., Bonsaglia, É. C. R., Gonçalves, J. L., Dos Santos, M. V., & Cirone Silva, N. C. |
| Journal: Dairy |
| Year: 2024 |
| DOI: https://doi.org/10.3390/dairy5010005 |



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| <p>Title of the article: The Emergence of Antimicrobial Resistance and Virulence Characteristics in <i>Enterococcus</i> Species Isolated from Bovine Milk</p> <p>Authors: Paschoalini, B. R., Nuñez, K. V. M., Maffei, J. T., Langoni, H., Guimarães, F. F., Gebara, C., Freitas, N. E., Dos Santos, M. V., Fidelis, C. E., Kappes, R., Gonçalves, M. C., & Silva, N. C. C.</p> <p>Journal: Antibiotics (Basel)</p> <p>Year: 2023</p> <p>DOI: https://doi.org/10.3390/antibiotics12081243</p> |
| <p>Title of the article: Virulence and Antimicrobial Resistance Genes Profiles of Spa Type t605 Methicillin-Susceptible <i>Staphylococcus aureus</i> Isolated from Subclinical Bovine Mastitis</p> <p>Authors: Munive Nuñez, K. V., Da Silva Abreu, A. C., Gonçalves, J. L., Dos Santos, M. V., De Oliveira Rocha, L., & Cirone Silva, N. C.</p> <p>Journal: Journal of Applied Microbiology</p> <p>Year: 2023</p> <p>DOI: https://doi.org/10.1093/jambio/lxad057</p> |
| <p>Title of the article: Overview of Antimicrobial Resistance and Virulence Factors in <i>Salmonella</i> spp. Isolated in the Last Two Decades from Chicken in Brazil</p> <p>Authors: Morasi, R. M., Silva, A. Z. D., Nuñez, K. V. M., Dantas, S. T. A., Faganello, C., Juliano, L. C. B., Tiba-Casas, M. R., Pantoja, J. C. F., Amarante, A. F., Fernandes Júnior, A., Rall, V. L. M., & Silva, N. C. C.</p> <p>Journal: Food Research International</p> <p>Year: 2022</p> <p>DOI: https://doi.org/10.1016/j.foodres.2022.111955</p> |
| <p>Title of the article: Assessment of Sanitizer Efficacy against <i>Staphylococcus</i> spp. Isolated from Minas Frescal Cheese Producers in São Paulo, Brazil</p> <p>Authors: Da Silva Abreu, A. C., Crippa, B. L., De Souza, V. V. M. A., Nuñez, K. V. M., De Almeida, J. M., Rodrigues, M. X., & Silva, N. C. C.</p> <p>Journal: International Dairy Journal</p> <p>Year: 2021</p> <p>DOI: https://doi.org/10.1016/j.idairyj.2021.105171</p> |
| <p>Title of the article: Antimicrobial Resistance of <i>Staphylococcus</i> spp. Isolated from Organic and Conventional Minas Frescal Cheese Producers in São Paulo, Brazil</p> <p>Authors: Da Silva Abreu, A. C., Matos, L. G., Da Silva Cândido, T. J., Barboza, G. R., De Souza, V., Munive Nuñez, K. V., & Cirone Silva, N. C.</p> <p>Journal: Journal of Dairy Science</p> <p>Year: 2021</p> <p>DOI: https://doi.org/10.1016/j.idairyj.2021.105171</p> |
| <p>Title of the article: Occurrence and Antimicrobial Susceptibility of <i>Salmonella</i> sp. and <i>Escherichia coli</i> in Minimally processed and Frozen Fruit Pulp</p> <p>Authors: Santini, T. P., Marques, J. O., Nuñez, K. V. M., & Kabuki, D. Y.</p> <p>Journal: American Journal of Agricultural Research</p> <p>Year: 2020</p> <p>DOI: https://doi.org/10.28933/ajar-2019-11-2605</p> |



Title of the article: Fungi and Mycotoxins in Corn Grains and Their Consequences

Authors: Prestes, I., Rocha, L. O., Nuñez, K. V. M., & Silva, N. C. C.

Journal: Scientia Agropecuaria

Year: 2019

DOI: <https://orcid.org/0000-0002-2839-1416>

Congress proceedings

- CRIPPA, B.L.; VALENTE, P.L.M.; MORASI, R.M.; NÚÑEZ, K.V.M.; PEREIRA, E.D.S.; MAFFEI, J.T. SILVA, N.C.C. Evaluation of the ability of biofilm formation of Methicilin-resistant Non-aureus staphylococci (MRNAs) isolated from milk. In: ADSA Annual Meeting, 2023, Ontario- Canada.

- CRIPPA, BL, NÚÑEZ, K.V.M., MORASI, R.M., PEREIRA, E.D.S., SOUZA, F.N., & SILVA, N.C.C. (2022). Identificação de Estafilococos não-aureus (ENA) isolados de leite de vacas saudáveis e com mastite. In: 1° Congresso de Segurança e Qualidade dos Alimentos, Campinas-Brazil.

- MAFFEI, J.T.; MORASI, R.M.; SILVA, N.R.F.; NUÑEZ, K.V.M.; SILVA, N.C.C. Resistance profile of lactic acid bacteria and *Streptococcus* spp. Isolated of Milk from healthy cows and cows with clinical and subclinical mastitis, In: 14 SLACA - Latin American Symposium of Food Science, 2021, Campinas-Brazil.

- NUÑEZ, K.V.M.; ALMEIDA, J.M. DE; SILVA, A.C.; SANTOS, M.V.; GONCALVES, J.L.; SILVA, N.C.C. Antimicrobial potential of *Eugenia caryophyllus*, *Luma chequeen*, and *Mentha spicata* essential oils and their synergistic combinations against *Staphylococcus aureus* from subclinical bovine mastitis. In: 14 SLACA Latin American Symposium of Food Science, 2021, Campinas-Brazil.

- MATOS, L.G.; SILVA, A. C.; SOUZA, V. V. M. A.; NUÑEZ, K.V.M.; SILVA, N.C.C. Microbiological analysis during maturation of aged meats. In: XXV Congreso Latinoamericano de Microbiología ALAM, 2021, Asunción-Paraguay.

- LEITE, P. M. F.; NUÑEZ, K. V. M.; SILVA, N. C. C. Antimicrobial activity of basil, cardamom, coriander seeds, and rosemary essential oils against gram-positive and gram-negative bacteria. In: XXV Congreso Latinoamericano de Microbiología ALAM, 2021, Asunción-Paraguay.

- NUÑEZ, K. V. M.; SILVA, A. C.; ALMEIDA, J. M. DE; SANTOS, M. V.; GONCALVES, J. L.; SILVA, N. C. C. Antimicrobial Activity of Essential Oils Against *Staphylococcus aureus* from Subclinical Bovine Mastitis with Different Profiles of Genes Encoding MSCRAMMs and Biofilm Formation. In: XXV Congreso Latinoamericano de Microbiología ALAM, 2021, Asunción-Paraguay.

- NUÑEZ, K. V. M.; MORASI, R. M.; BARBOZA, G. R.; GONCALVES, M. C.; GEBARA, C.; SILVA, N. C. C. Influence of the presence of *Staphylococcus* related to the formation of mastitis in cow's udder, in dairy products in the state of Paraíba, Brazil. In: XXV Congreso Latinoamericano de Microbiología ALAM, 2021, Asunción-Paraguay.

- MORASI, R.M.; NUÑEZ, K.V.M.; SILVA, N.C.C. Virulence factors of Salmonella sp. isolated from chicken in the period from 1999 to 2018. In: XXV Congress Latin American Microbiology ALAM, 2021, Asunción-Paraguay.

- NUÑEZ, K. V. M.; SILVA, N. C. C.; SILVA, A. C.; GONCALVES, J. L. M.; SANTOS, M. V. Caracterização de genes codificadores de enterotoxinas e resistência a sanitizantes em *Staphylococcus aureus* isolados de leite de vaca com mastite subclínica, Campinas. In: 13th Latin American Symposium of Food Science, 2019, Campinas - Brazil.

- SILVA, A. C.; CANDIDO, T. J. S.; BARBOZA, G. R.; RALL, V. L. M.; NUÑEZ, K. V. M.; CARAZZOLLE, M. F.; ROCHA, L. O.; SILVA, N. C. C. Bacterial diversity of conventional and organic Minas Frescal cheese production by new generation sequencing of the 16S rRNA gene, 2019, Campinas. In: 13° Latin American Symposium of Food Science, 2019, Campinas-Brazil.

- SILVA, A. C.; BARBOZA, G. R.; IACUZIO, R.; NUÑEZ, K. V. M.; SILVA, N. C. C. Detection of resistance genes to antibiotics and sanitizers from *S. aureus* isolates from conventional and organic dairies in the State of



São Paulo, Brazil., 2018, Copenhagen. In: International Symposium on Staphylococci and Staphylococcal Infections, 2018. p. 239-239.

- JESUS, T. P.; NUÑEZ, K. V. M.; OLIVEIRA, J. M.; KABUKI, D. Y. Microbiological Quality of Minimally Processed Fruits Marketed in Campinas, S.P. In: 12th Latin American Symposium of Food Science, 2017, Campinas-Brazil.

- JESUS, T.P.; NUÑEZ, K.V.M.; OLIVEIRA, J.M.; KABUKI, D.Y. Presence of pathogenic *Escherichia coli* in Frozen Fruit Pulps. In: 12th Latin American Food Science Symposium, 2017, Campinas-Brazil.

OTHER INFORMATION

Events organization

- Online Workshop on Molecular Biology and its Applications, 2020
- Workshop on Analysis of Sequencing Data, 2019
- IV Workshop: New Challenges in Food Safety, 2019
- Workshop on Molecular Biology Applied to Microbiology, 2018
- III Workshop: New Challenges in Food Safety, 2018
- III Peruvian-International Conference on Engineering Research - JP3i, 2018
- Monitor of the 12th SLACA - Latin American Symposium on Food Science: "A Food Science and its Impact on the World in Transformation," 2017

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The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: Lima, May 29, 2024