Curriculum Vitae

Personal Information

- Birth Name: Franco Alexis
- Surname: González
- Nationality: Argentine
- Passport ID: AAG665078
- Date of Birth: 16/05/1991
- E-mails: fagonzalez@agro.uba.ar
  fg87@students.waikato.ac.nz

Academic Education

- PhD Candidate in Environmental Sciences at University of Waikato, Hamilton, New Zealand (Since November 2022):

  Exploring the interaction of NH_3 with organic soil. Analytical Chemistry techniques involved: ^{15}N Isotope Ratio Mass Spectrometry (IR-MS). ^{13}C and ^{15}N Nuclear Magnetic Resonance (CP-MAS). Inorganic N determination in liquid soil extracts with Flow Injection Analyzer (FIA). Determination of total soil C and N by combustion in Total Elemental Analyzer.

- Graduated on 07/09/2022 (GPA: 8.23): International Master Programme in Soil Science and Global Change (IMSOGLO) with ERASMUS MUNDUS SCHOLARSHIP:

  1st Semester at Ghent University (UGENT, Belgium), 2nd Semester at Universität für Bodenkultur Wien (BOKU, Austria), 3rd Semester at Göttingen Universität (UGOE, Germany). Thesis at BOKU: 'Soil Carbon Dioxide Fluxes from Two Austrian Forests under Drying Rewetting Stress'.
- Degree in Environmental Sciences (May, 2017), Facultad de Agronomía de la Universidad de Buenos Aires (FAUBA), Argentina. Thesis: "Emisiones edáficas de gases de efecto invernadero durante el período invernal en un sistema ganadero de Pampa Deprimida" ('Soil Greenhouse Gas Emissions during Winter in a Livestock System of the Depressed Pampa').
- Post-graduate Courses (6) at Escuela Para Graduados "Alberto Soriano" (EPG-FAUBA):

  Soil Genesis (80 hours; 2017); Soil Chemistry (120 hours; 2018); Physical Degradation Processes of Soils (80 hours; 2018); Ecological Modelling and Forecasting the Impacts of Climate Change on Communities and Ecosystems (48 hours; 2018); Soil Physics (120 hours; 2019); Statistical Methods (80 hours; 2019)

Academic Activity

Current Positions

- PhD Student at the University of Waikato, Hamilton, New Zealand (Since November 2022).
- Teaching Assistant at the University of Waikato (Since March 2024).
- Research and Teaching Assistant in the Soil Science Department at FAUBA (Since June 2017).

Academic Extension Projects

- University Extension Project (ongoing since 2018): Proyecto de extensión universitaria: "Monolitos Edafológicos: Una herramienta pedagógica para la enseñanza de la ciencia del suelo". Programa de subsidios de extensión universitaria UBANEX 10ma convocatoria "Centenario de la Reforma Universitaria" ('Soil Monoliths: A Pedagogical Tool for Teaching Soil Science' UBANEX University Extension Subsidy Program 10th Call 'Centenary of the University Reform').

Scientific Activity Experience

- Experience in Greenhouse Gas Emission Estimation Methodologies:
  - Manual Static Chamber Method in Grassland Soils
  - SF_6 Tracer Method for Estimating Enteric Methane Emissions from Grazing Cattle
  - Automatic Static Chamber Method in Temperate Forest Soils
- Laboratory carbon and nitrogen content measurements in soils and handling of tracing techniques using ^{15}N-isotope.

Publications (10)

Peer-reviewed Journals authorship and co-authorship (2)

- **González, F. A.,** Cosentino, V. R. N., Loza, C. Cerón-Cucchi, M. E., Williams, K. E., Bualó, R., Costantini, A. & Gere, I. J. 'Inclusion of Lotus tenuis in beef cattle systems in the Argentinian flooding pampa as an enteric methane mitigation strategy'. New Zealand Journal of Agricultural Research, 1-12, 2024.
- Perez, M. G., Romaniuk, R., Cosentino, V. R. N., Busto, M., **González, F. A.,** Taboada, M. A., Costantini, A. 'Winter soil N_2O emissions from a meat production system under direct grazing of Argentine Pampa'. Animal Production Science 61(2) 156-162, 2020.

Non-peer-reviewed Journals (1)

- Costantini, A; Perez, MG; Busto, M; **González, F**; Cosentino, V; Romaniuk, R; Taboada, MA. 2018. Emisiones de gases de efecto invernadero en la producción Ganadera. Revista Ciencia e Investigación. Asociación Argentina para el progreso de las Ciencias. 68-5, pp. 47-54. En http://aargentinapciencias.org/publicaciones/revista-cei/

Conferences (6)

- **González, Franco,** Cosentino, Vanina, Pérez, Mónica, Romaniuk, Romina, Taboada, Miguel, Costantini, Alejandro. Efecto de la composición del pastizal sobre la emisión de metano en un suelo ganadero de la Cuenca del Salado. IX Jornadas de Jóvenes Investigadores, Facultad de Ciencias Veterinarias, Universidad de Buenos Aires. 6 y 7 de junio de 2019.
- Ciarlo, Esteban A., Cosentino, Diego J., García, Mirta G. y González, Franco A. Análisis de participación de laboratorios de suelos en el programa PROINSA. XXVI Congreso Argentino de la Ciencia del Suelo. Tucumán, 2018.
- Perez, M. G., **Gonzalez, F.A.**, Busto, M., Cosentino, V. N., Romaniuk, R., Costantini, A., Taboada, M. "Increase in the emission of N_2O in a grassland with direct grazing during the winter". 3rd conference of Greenhouse Gases in Agricultural Systems in Latin America. October 2017. INIA La Estanzuela, Colonia, Uruguay.
- Perez, M. G., Busto, M., **Gonzalez, F. A.,** Cosentino, V. N., Romaniuk, R., Costantini, A., Taboada, M. "Emisiones de N_2O desde suelo Natracuol con excretas bovinas y su relación con variables edáficas en estación invernal". 7th World Congress on Conservation Agriculture. August 2017. Rosario, Argentina.
- Mónica G. Perez, **Franco A. González**, Mercedes Busto, Vanina Cosentino, Romina Romaniuk, Alejandro Costantini, Miguel Taboada. "Avances en el estudio de la contribución de las excretas animales a la emisión de N_2O en suelos de uso ganadero en Chascomús". VII Jornadas de Jóvenes Investigadores, Facultad de Ciencias Veterinarias, Universidad de Buenos Aires. 7, 8 y 9 de junio de 2017.
- Mónica G. Perez, Mercedes Busto, **Franco A. González**, Vanina Cosentino, Romina Romaniuk, Alejandro Costantini, Miguel Taboada. "Emisiones invernales de N2O desde Natracuoles típicos con y sin promoción de Lotus tenuis". IV Congreso Internacional de Ambiente y Energías Renovables. Universidad Nacional de Villa María. 14, 15 y 16 de junio de 2017. **Premiado (Póster 3er puesto)**.

Book Chapters (2)

- "Materiales Parentales". **González, F., A.,** Villegas, D., & Bressán, E. En: Cosentino, D. "Prácticas edafológicas con fines didácticos". EFA ed. 2020.
- "Minerales". **González, F., A.,** Villegas, D., & Bressán, E. En: Cosentino, D. "Prácticas edafológicas con fines didácticos". EFA ed. 2020.

Previous Work Experience

- 'Environmental Inspector' at Agencia de Protección Ambiental (Environmental Protection Agency), Gobierno de la Ciudad de Buenos Aires. 2017. Experience in Environmental Law and Control.
- 'Technical Assistant' at 'Intergeo Argentina S. A.', March 2012 to June 2013. Experience in Environmental Consulting & Engineering, Soil & Groundwater Remediation; Environmental Sampling & Legislation.
- 'Tennis Instructor' at several Social Clubs: 2008 to 2017. Experience in teaching.

Other Interests & Skills

- Languages: English (IELTS certificate band 7, C1 equivalent); German (A1).
- Software: R Studio (Statistical Programming Language); QGIS (Geographic Information System); Microsoft Office package & Google equivalents; Mendeley (Reference Manager).
- Full driving license from Argentina for private cars and motorcycles.
- Sports: Competition Tennis (Federated in AAT); Football.