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SUMMARY

I am a researcher in soil fertility and biogeochemistry. I have experience evaluating soil management and climate differences on soil organic matter accrual, primarily through organo-mineral associations.

EDUCATION

Doctor of Natural Sciences | Soil Science | Technical University Munich | Germany | 2020
Master in Agronomy | Soil management | State University of Ponta Grossa | Brazil |2016
Agronomist Engineer | Soil Science | State University of Ponta Grossa | Brazil | 2013

EXPERIENCE

Researcher (Since January 2022)
Department of Biogeochemistry and Soil Quality
Norwegian Institute of Bioeconomy Research (NIBIO)
Høgskoleveien 7, 1430 Ås, Norge
As a researcher in NIBIO I have been involved in a series of projects on soil organic matter in agricultural systems, with a focus on biochar application.

Postdoctoral Researcher (November 2020 – December 2021)
National Agricultural Research Organization (NARO)
Institute for Agro-Environmental Sciences (NIAES)
Tsukuba, Ibaraki, Japan
In my postdoctoral research, I developed a series of projects focused on soil organic matter stabilization in tropical and temperate croplands through organo-mineral associations. We have developed three main projects: 1) A study using soils from the region of Lampung in Indonesia, where we investigated how reduced tillage can enhance organo-mineral associations by promoting a higher nitrogen cycling in the system. 2) A study using soils from a subtropical area in Brazil in which we demonstrate the effects of lime on soil organic matter persistence. 3) A methodological study in which we demonstrate the relationship between energy and power during sonication for separating low-density occluded light fractions in a range of different soils.

Doctoral Researcher (September 2016 - March 2020)
Technical University of Munich (TUM), Freising, Germany
Lehrstuhl für Bodenkunde (Chair of Soil Science)
Freising, Bavaria, Germany
I studied soil organic matter protection mechanisms through mineral interactions in soils, advised by Prof. Ingrid Kögel-Knabner and Prof. Johannes Lehmann. I was hired through the TUM-IAS Hans Fischer Senior Fellowship program. In this project, we demonstrated the influence of climate differences and pedogenesis on subsoil organo-mineral associations in a climate gradient. We determined the importance of the microscale spatial distribution of organic matter on its stabilization and provided essential recommendations for the organic matter fractionation on Andosols. I worked with a multidisciplinary group of researchers from different countries and institutions. The results of this research have been published in recognized journals in soil science and presented at several scientific conferences worldwide.

Visiting Research Scholar (November 2017 – February 2018)
Cornell University
Department of Soil and Crop Sciences
Ithaca, New York, United States of America

I worked as a Visiting Research Scholar in the Soil and Crop Sciences Department. I developed part of my Ph.D. research working on isotope labeling (^{13}C and ^{15}N) and synchrotron-based techniques (XANES/NEXAFS)

Teaching Assistant / Freelancer (August 2015 – July 2017)
Agropro Brasil
Ponta Grossa, Parana, Brazil
I worked as a collaborator for Agropro, a technology company dedicated to developing solutions for agribusiness. I worked focused on online courses about the no-tillage system in tropical and subtropical regions. My responsibilities included:
1) Assisting students regarding soil fertility, use, and management questions. 2)Producing soil science teaching materials for the courses. 3) Writing regular texts for the company's blog about soil science in an accessible language for farmers and non-scientific communities.

Graduate Research Assistant (March 2014 – February 2016)
State University of Ponta Grossa (UEPG), Brazil
Department of Soil Science and Agricultural Engineer
Ponta Grossa, Parana, Brazil
During my master's degree, I developed a research project that investigated the use of limestone and phosphogypsum to provide carbon sequestration in agriculture, advised by Prof. João Carlos de Moraes Sá and Prof. Eduardo F. Caires. In this project, we demonstrate that both techniques benefit the C stocks and the biological activity of the soils. The results of this research were published in recognized journals in soil science. During this period, I also worked as a teaching assistant giving lectures on Soil Fertility and guiding undergraduate students in their research projects.

Internship Student (2013) (May 2013 – August 2013)
Ohio State University (OARDC-OSU), USA
School of Environment and Natural Resources | Wooster, Ohio, United States of America
As part of my international mobility program, I worked as a summer intern at OARDC, advised by Prof. Warren Dick. During this period, I had the opportunity to work on different research projects focused on the effect of FGD gypsum on soil quality and the effects of soil management on greenhouse gas emissions and soil enzyme analysis. At the end of the program, I performed an oral presentation at an undergraduate research conference.

Non-degree Student (August 2012 – May 2013)
University of Illinois at Urbana Champaign (UIUC), USA
Department of Crop Sciences | Champaign, Illinois, United States of America
I was selected to participate in the Brazilian Government's international scientific mobility program called "Science without Borders." In this program, I attended two semesters of classes at the UIUC (Fall 2012, Spring 2013) in the major of Crop Sciences.

Undergraduate Research Assistant (February 2009 – August 2012)
State University of Ponta Grossa (UEPG), Brazil
Department of Soil Science and Agricultural Engineer | Ponta Grossa, Parana, Brazil
During my bachelor's degree, I worked as a research assistant (i.e., Scientific Initiation Fellowship), advised by Prof. João Carlos de Moraes Sá. I participated in research projects on land use and management in tropical and subtropical agriculture. I acquired good experience in laboratory analysis and field sampling during this period. I also performed several oral and poster presentations at conferences.

AWARDS AND ACHIEVEMENTS

2020 **"Cover Page Nature Geoscience**." Art cover of the Nature Geoscience Volume 13 Issue 8, August 2020
2020 **"JSPS Postdoctoral Fellowship**." Research fellowship from the Japanese Society for the Promotion of Science (JSPS).
2018 **"Best talk**." Best oral presentation at the 4th HEF-Agrar Ph.D. Symposium. Hans Eisenmann-Zentrum für Agrarwissenschaften. Technical University of Munich - Germany
2017 **"Excellent review"** - Soil Research (CSIRO PUBLISHING), Publons.
2012 **"Science without borders Fellowship**." Scientific Mobility Program grant in the USA (1 year). Brazilian Government.
2010 **"Highlighted presentation**." Best oral presentation at the Scientific Initiation Meeting. Centro de Ensino Superior dos Campos Gerais (CESCAGE) Ponta Grossa, Brazil.
2009 **"Scientific Initiation Scholarship"** – Undergrad research assistant grant (3 years)—Brazilian Government.
2009 **"Highlighted presentation**." Best research presentation at the 18º Annual Meeting of Scientific Initiation. Universidade Estadual de Londrina (UEL) Londrina – Brazil.

LANGUAGES

Portuguese	Native Speaker
English	Fluent (C2 CEFR)
German	Upper Intermediate (B2 CEFR)

PEER REVIEWING

Geoderma (18), Geoderma Regional (6), Soil Research (6), Journal of Soil Science and Plant Nutrition (4), Soil and Tillage Research (4), Catena (3), Carbon Management (2), Ecological Processes (2), Environmental Science & Technology Letters (2), International Journal of Sediment Research (2), Soil Biology and Biochemistry (2), Water (2), Acta Oecologica (1), Agricultural Management (1), Agronomy for Sustainable Development (1), Environmental Challenges (1), Frontiers in Soil Science (1), Journal of Environmental Management (1), Land (1), Land Degradation & Development (1), Science of the Total Environment (1), Soil Science Society of America Journal (1), Soil and Water Research (1).

FULL PUBLICATION RECORD

Publications in peer-reviewed journals

2023

Almeida L. F. J., Souza I. F., Hurtarte L. C. C., Teixeira P. P. C., Inagaki T. M., Silva I. R., Mueller C. M. Molecular diversity and the fate of biochemical fractions of eucalypt tissues in soil. **Geoderma**. (Accepted)

Inagaki, T. M., Possinger, A. R., Schweizer, S. A., Mueller, C. W., Hoeschen C., Zachman, M. J., Kourkoutis, L. F., Kögel-Knabner, I., Lehmann J. Microscale spatial distribution and soil organic matter persistence in top and subsoil. **Soil Biology and Biochemistry**. Vol 178, 2023, DOI: 10.1016/j.soilbio.2022.108921

2022

Shabtai I. A., Das S., Inagaki T. M., Azimzadeh B., Richards B., Martínez C. E., Kögel-Knabner I., Lehmann J. Soil organic carbon accrual due to more efficient microbial utilization of plant inputs at greater long-term soil moisture. **Geochimica et Cosmochimica Acta**. Vol 325, Pages 170-185, 2022. DOI: 10.1016/j.gca.2022.04.028

Wilhelm R.C., Webster T.M., Lynch L., Schweizer S., Inagaki T.M., Tfaily M.M., Kukkadapu R., Hoeschen C., Buckley D.H., Lehmann J. Susceptibility of new soil organic carbon to mineralization during dry-wet cycling in soils from contrasting ends of a precipitation gradient. **Soil Biology and Biochemistry.** Vol. 169, p 108681. DOI: 10.1016/j.soilbio.2022.108681

Sá J. C. M. ; Lal R. ; Briedis C. ; De Oliveira Ferreira A. ; Tivet F. ; Inagaki T. M. ; Gonçalves D. P. R ; Canalli, L. B. ; Santos, J. B. ; Romaniw J . Can C-budget of natural capital be restored through conservation agriculture in a tropical and subtropical environment?. **Environmental Pollution**, Vol. 298, p. 118817, 2022. DOI: 10.1016/j.envpol.2022.118817

2021

Almeida L., Souza I. S., Hurtarte L.C.C., Teixeira P. P., Inagaki T.M., Silva I. R., Mueller C.W. Forest litter constraints on the pathways controlling soil organic matter formation. **Soil Biology and Biochemistry.** Vol 163, 2021. DOI: 10.1016/j.soilbio.2021.108447

Inagaki T.M., Sá J.C.M., Tormena C., Dranski A., Muchalak A., Briedis C., Ferreira A.O., Giarola N.F., Silva A.P. Mechanical and biological chiseling impacts on soil organic C stocks, root growth, and crop yield in a long-term no-till system, 2021. **Soil and Tillage Research**. Vol 211. DOI: 10.1016/j.still.2021.104993

Romaniw J., Sá J.C.M., Lal R., Inagaki T.M., Ferreira A.O., Briedis C., Gonçalves D.P., Canalli L.B., Padilha A., Bressan P. C-offset and crop energy efficiency increase due industrial poultry waste use in long-term no-till soil minimizing environmental pollution, 2021. **Environmental Pollution**. Vol 275. DOI: 10.1016/j.envpol.2021.116565.

Hok, L., de Moraes Sá, J.C., Boulakia, S., Reyes, M., de Oliveira Ferreira, A., Tivet, F.E., Saab, S., Auccaise, R., Inagaki, T.M., Schimiguel, R. and Ferreira, L.A.,. Dynamics of soil aggregate-associated organic carbon based on diversity and high biomass-C input under conservation agriculture in a savanna ecosystem in Cambodia, 2021. **Catena** Vol 198. DOI: 10.1016/j.catena.2020.105065.

2020

Inagaki, T. M., Possinger, A., Grant, K., Schweizer, S. A., Mueller, C. W., Derry, L. A., Lehmann, J., Kogel-Knabner, I. Subsoil organo-mineral associations under contrasting climate conditions. 2020. **Geochimica et Cosmochimica Acta** Vol 270. DOI: 10.1016/j.gca.2019.11.030

Possinger, A. R., Bailey, S. W., Inagaki, T. M., Kögel-Knabner, I., Dynes, J. J., Arthur, Z. A., & Lehmann, J. (2020). Organo-mineral interactions and soil carbon mineralizability with variable saturation cycle frequency. **Geoderma**, Vol 375. DOI: 10.1016/j.geoderma.2020.114483

de Oliveira Ferreira A, de Moraes Sá JC, Lal R, Amado TJC, Inagaki TM, Briedis C, et al. Can no-till restore soil organic carbon to levels under natural vegetation in a subtropical and tropical typic quartzipisamment? **Land Degradation & Development**. DOI: 10.1002/ldr.3822

Auler, A. C., Romaniw, J., Sá, J. C., Pires, L. F., Hartman, D. C., Inagaki, T. M., & Rosa, J. A. (2020). Improvement on soil structure and water retention after application of industrial organic waste as a crop fertilizer. **Journal of Soils and Sediments**, Vol 40. pp 1-13. DOI: 10.1016/j.wasman.2015.01.027

2019

Inagaki T. M., Mueller C. W., Lehmann J., Kögel-Knabner I. Andosol clay re-aggregation observed at the microscale during physical organic matter fractionation (2019). **Journal of Plant Nutrition and Soil Science.** Vol 182. pp 145-148. 2019. DOI: 10.1002/jpln.201800421

Gonçalves DR, de Moraes Sá JC, Mishra U, Furlan FJ, Ferreira LA, Inagaki TM, Romaniw J, de Oliveira Ferreira A, Briedis C. Conservation agriculture based on diversified and high-performance production system leads to soil carbon sequestration in subtropical environments (2019). **Journal of Cleaner Production.** DOI: 10.1016/j.jclepro.2019.01.263

2018

Gonçalves DR, de Moraes Sá JC, Mishra U, Furlan FJ, Ferreira LA, Inagaki TM, Romaniw J, de Oliveira Ferreira A, Briedis C. (2018) Soil carbon inventory to quantify the impact of land use change to mitigate greenhouse gas emissions and ecosystem services. **Environmental Pollution**. 25. DOI: 10.1016/j.envpol.2018.07.068

Briedis, C., de Moraes Sá, J.C., Lal, R., Tivet, F., Franchini, J.C., de Oliveira Ferreira, A., da Cruz Hartman, D., Schimiguel, R., Bressan, P.T., Inagaki, T.M., Romaniw, J. & Gonçalves, D.R.P. (2018) How does no-till deliver carbon stabilization and saturation in highly weathered soils? **Catena**, 163, 13-23. DOI: 10.1016/j.catena.2017.12.003

Sá, J.C.M., Potma Goncalves, D.R., Ferreira, L.A., Mishra, U., Inagaki, T.M., Ferreira Furlan, F.J., Moro, R.S., Floriani, N., Briedis, C. & Ferreira, A.d.O. (2018) Soil carbon fractions and biological activity based indices can be used to study the impact of land management and ecological successions. **Ecological Indicators**, 84, 96-105. DOI: 10.1016/j.ecolind.2017.08.029

Ferreira, A.d.O., Carneiro Amado, T.J., Rice, C.W., Ruiz Diaz, D.A., Briedis, C., Inagaki, T.M. & Potma Goncalves, D.R. (2018a) Driving factors of soil carbon accumulation in Oxisols in long-termno-till systems of South Brazil. **Science of the total environment**, 622, 735-742. DOI: 10.1016/j.scitotenv.2017.12.019

Ferreira, A.d.O., de Moraes Sa, J.C., Lal, R., Tivet, F., Briedis, C., Inagaki, T.M., Potma Goncalves, D.R. & Romaniw, J. (2018b) Macroaggregation and soil organic carbon restoration in a highly weathered Brazilian Oxisol after two decades under no-till. **Science of the total environment**, 621, 1559-1567. DOI: 10.1016/j.scitotenv.2017.10.072

Hok, L., de Moraes Sá, J.C., Reyes, M., Boulakia, S., Tivet, F., Leng, V., Kong, R., Briedis, C., da Cruz Hartman, D., Ferreira, L.A., Inagaki, T.M., Gonçalves, D.R.P. & Bressan, P.T. (2018) Enzymes and C pools as indicators of C build up in short-term conservation agriculture in a savanna ecosystem in Cambodia. **Soil and Tillage Research**, 177, 125-133. DOI: doi.org/10.1016/j.still.2017.11.015

2017

Engels, C., Rodrigues, F., Ferreira, A., Inagaki, T. & Nepomuceno, A. (2017) Drought Effects on Soybean Cultivation - A Review. **Annual Research & Review in Biology**, 16, 1-13. DOI: 10.9734/ARRB/2017/35232

Inagaki, T.M., de Moraes Sa, J.C., Caires, E.F. & Potma Goncalves, D.R. (2017) Why does carbon increase in highly weathered soil under no-till upon lime and gypsum use? **Science of the total environment**, 599, 523-532. DOI: 10.1016/j.scitotenv.2017.04.234

2016

Ferreira, A.d.O., Amado, T., Ric, C.W., Diaz, D.A.R., Keller, C. & Inagaki, T.M. (2016) Can no-till grain production restore soil organic carbon to levels natural grass in a subtropical Oxisol? **Agriculture Ecosystems & Environment,** Vol 229, 13-20. DOI: 10.1016/j.agee.2016.05.016

Inagaki, T.M., de Moraes Sa, J.C., Caires, E.F. & Potma Goncalves, D.R. (2016a) Lime and gypsum application increases biological activity, carbon pools, and agronomic productivity in highly weathered soil. **Agriculture Ecosystems & Environment**, 231, 156-165. DOI: 10.1016/j.agee.2016.06.034

2015

Ferreira, A.D.O., Sá, J.C.M., Dos Santos, J.B., Briedis, C. & Inagaki, T.M. (2015) Correction Equations for Wet Combustion Carbon Determination at Different Depths and Management Systems of a Rhodic Hapludox. **Journal of Agriculture and Crops**, 1, 75-82.

2012

Briedis, C., de Moraes Sá, J.C., Caires, E.F., de Fátima Navarro, J., Inagaki, T.M., Boer, A., de Oliveira Ferreira, A., Neto, C.Q., Canalli, L.B. & Bürkner dos Santos, J. (2012a) Changes in Organic Matter Pools and Increases in Carbon Sequestration in Response to Surface Liming in an Oxisol under Long-Term No-Till. **Soil Science Society of America Journal**, 76, 151-160. DOI: 10.2136/sssaj2011.0128

Briedis, C., de Moraes Sa, J.C., Caires, E.F., Navarro, J.d.F., Inagaki, T.M., Boer, A., Neto, C.Q., Ferreira, A.d.O., Canalli, L.B. & dos Santos, J.B. (2012b) Soil organic matter pools and carbon-protection mechanisms in aggregate classes influenced by surface liming in a no-till system. **Geoderma**, 170, 80-88. DOI: 10.1016/j.geoderma.2011.10.011

Briedis, C., Sá, J.C.d.M., Caires, E.F., Navarro, J.d.F., Inagaki, T.M. & Ferreira, A.d.O. (2012c) Carbono do solo e atributos de fertilidade em resposta à calagem superficial em plantio direto. **Pesquisa Agropecuária Brasileira**, 47, 1007-1014.

Tivet, F., de Moraes Sa, J.C., Borszowskei, P.R., Letourmy, P., Briedis, C., Ferreira, A.O., dos Santos, J.B. & Inagaki, T.M. (2012) Soil Carbon Inventory by Wet Oxidation and Dry Combustion Methods: Effects of Land Use, Soil Texture Gradients, and Sampling Depth on the Linear Model of C-Equivalent Correction Factor. **Soil Science Society of America Journal**, 76, 1048-1059. DOI: 10.2136/sssaj2011.0328

Book chapters

2021

Inagaki T. M. Application of gypsum on sodic soils. Recarbonizing global soils: a technical manual of recommended management practices. **Food and Agriculture Organization of the United Nations**, Volume 3: Cropland, Grassland, Integrated systems and farming approaches ? Practices overview. 1ed.Rome. p. 288

2020

Sá, J.C.M ; Tivet, F ; Lal, R. ; Ferreira, A. O.; Briedis, C. ; Inagaki, T. M.; Gonçalves, D. P.; Romaniw, J.. Carbon management practices and benefits in Conservation Agriculture systems: carbon sequestration rates. Burleigh Dodds Series in Agricultural Science. 1ed.: **Burleigh Dodds Science Publishing**, 2020, p. 199-228. DOI: 10.19103/AS.2019.0049.08

Sá, J.C.M ; Tivet, F ; Lal, R. ; Ferreira, A. O.; Briedis, C. ; Inagaki, T. M.; Gonçalves, D. P.; Romaniw, J. Carbon management practices and benefits in Conservation Agriculture systems: soil organic carbon fraction losses and restoration. **Burleigh Dodds Series in Agricultural Science**. 1ed.: Burleigh Dodds Science Publishing, 2020, v. 1, p. 229-266. DOI: 10.19103/AS.2019.0049.15

Sá, J. C. M. ; Santos, J. B. ; Canalli, L.B. ; Inagaki, T. M. ; Goncalves, D. R. P. ; Romaniw, J. ; Ferreira, A. O. ; Briedis, C. . Sistema Plantio Direto. In: Bertol, O.J.; Colozzi Filho, A.; Barbosa, G.M.C.; Santos, J.B.; Guimarães, M.F.. (Org.). Manual de Manejo e Conservação do Solo e da Água para o Estado do Paraná. 1ed.Viçosa: **Sociedade Brasileira de Ciência do Solo**, 2019, v. 1, p. 103-110.

Sá, J. C. M. ; Santos, J. B. ; Canalli, L.B. ; Inagaki, T. M. ; Goncalves, D. R. P. ; Romaniw, J. ; Ferreira, A. O. ; Briedis, C. . Manejo da matéria orgânica do solo (Cobertura morta).. In: Bertol, O.J.; Colozzi Filho, A.; Barbosa, G.M.C.; Santos, J.B.; Guimarães, M.F.. (Org.). Manual de Manejo e Conservação do Solo e da Água para o Estado do Paraná. 1ed.Viçosa: **Sociedade Brasileira de Ciência do Solo**, 2019, v. 1, p. 114-119.

2015

Romaniw, J., Sá, J.C.d.M., Ferreira, A.d.O. & Inagaki, T.M. (2016) C-CO_2 Emissions, Carbon Pools and Crop Productivity Increased upon Slaughterhouse Organic Residue Fertilization in a No-Till System. **Intech - Organic Fertilizers: From Basic Concepts to Applied Outcomes**. Vol 1. pp 223-239. DOI: 10.5772/63123

Conference abstracts

2021

Schweizer S. A., Almeida L. F., Inagaki T. M., Wagai R., Webster T., Hoeschen C., resolving soil organic matter dynamics at the microscale based on NanoSIMS analysis. **Eurosoil 2021**. Geneva – Switzerland (online conference).

2020

Schweizer, S., Almeida, L. F., Inagaki, T., Wagai, R., Webster, T., & Hoeschen, C. (2020, December). Resolving the spatial arrangement governing soil organic matter dynamics at the microscale based on NanoSIMS analysis. In **AGU Fall Meeting 2020**. AGU.

Shabtai, I. ; Das, S. ; Inagaki, T. M. ; Kogel-Knabner, I. ; Lehmann, J. . Long-term soil water content and exchangeable Ca interact to stabilize organic matter. **European Geosciences Union General Assembly (EGU**) Vienna – Austria. 2020. (Online Conference).

Inagaki, T. M.; Possinger, A. ; Grant, K. ; Schweizer, S. A. ; Mueller, C. W. ; Derry, L. A. ; Lehmann, J. ; Kogel-Knabner, I. . Subsoil organo-mineral associations under contrasting climate conditions. **European Geosciences Union General Assembly (EGU**) Vienna – Austria., 2020, (Online Conference).

Almeida, L. F. J. ; Hurtarte, L. C. C. ; Teixeira, P. P. ; Inagaki, T. M. ; Souza, I. F. ; Silva, I. R. ; Mueller, C. W. . Biochemistry of plant litter types drives differentiation into particulate and mineral-associated soil organic matter and determines the magnitude of priming effect. **European Geosciences Union General Assembly (EGU**) Vienna – Austria. 2020. (Online Conference).

2019

Shabtai I., Das S., Inagaki T. M., Kögel-Knabner I., Lehmann J**.** Elucidating the shifting controls on organic carbon stabilization across a soil moisture gradient. **AGU Fall Meeting 2019**. (Poster presentation).

Inagaki, T. M.; Possinger, A.; Grant, K.; Derry, L. A.; Lehmann, J.; Kögel-Knabner, I. Soil organic matter stabilization in top and subsoil. **European Geosciences Union General Assembly (EGU**) Vienna – Austria. 2019 (Poster presentation)

Almeida, L. F. J.; Inagaki, T. M.; Hurtarte, L. C. C.; Souza, I. F.; Silva, I. R.; Mueller, C.; Plant litter biochemistry controls C partitioning into CO_2 and soil organic matter fractions. **European Geosciences Union General Assembly (EGU)** Vienna – Austria. 2019 (Poster presentation)

Inagaki, T. M.; Kögel-Knabner, I.; Lehmann, J. Soil organic carbon stabilization promoted by mineral interactions. **Institute for Advanced Study (IAS-TUM) General Assembly.** Burghausen – Germany 2019. (Poster presentation).

2018

Inagaki, T. M.; Possinger, A.; Grant, K.; Derry, L. A.; Lehmann, J.; Kögel-Knabner, I. Mechanisms for SOC stabilization in a Volcanic Andosol: topsoil vs subsoil. **European Geosciences Union General Assembly (EGU)** Vienna – Austria. 2018. (Oral presentation).

Inagaki, T. M.; Kögel-Knabner, I.; Lehmann, J. Soil organic matter stabilization provided by mineral interactions in soils under changing rainfall levels **4th HEZagrar PhD Symposium**, Freising – Germany 2018. (Oral presentation).

Inagaki, T. M.; Kögel-Knabner, I.; Lehmann, J. Organic matter protection through mineral interactions in soil. **Institute for Advanced Study (IAS) General Assembly.** Garching – Germany 2018. (Poster presentation).

2017

Inagaki, T. M.; Grant, K. ; Mueller, C. W. ; Lehmann, J. ; Derry, L. A. ; Kögel-Knabner, I. Organic matter protection through mineral interactions in soil. **Institute for Advanced Study (IAS) General Assembly**. Raitenhaslach – Germany 2017. (Poster presentation).

Inagaki, T. M.; Grant, K. ; Mueller, C. W. ; Lehmann, J. ; Derry, L. A. ; Kogel-Knabner, I. . Distinctive soil organic matter composition in a precipitation contrast of a Hawaiian Andosol. In: **European Geosciences Union General Assembly (EGU)**. Vienna – Austria. 2017. (Oral presentation)

Inagaki, T. M.; Grant, K. ; Mueller, C. W. ; Lehmann, J. ; Derry, L. A. ; Kögel-Knabner, Distinct soil organic matter properties across a Fe and rainfall gradient In: **Goldschmidt**, Paris – France 2017. (Oral presentation).

Inagaki, T. M.; Grant, K. ; Mueller, C. W. ; Lehmann, J. ; Derry, L. A. ; Kögel-Knabner, I. Organic matter protection through mineral interactions in soil. **Technical University of Munich (TUM) Kick-off Seminar**. Raitenhaslach – Germany 2017. (Poster presentation).

2015

Inagaki, T. M.; Sa, J. C. M.; Caires, E. F. Calcário e gesso conduzem aumento da atividade biológica e do c orgânico do solo em sistema plantio direto de longa duração In: **IV Reunião Paranaense de Ciência do Solo**, 2015, Cascavel. (Poster presentation)

Inagaki, T M; Sa, J C M; Caires, E. F. Calcário e gesso conduzem aumento da atividade biológica e do c orgânico do solo em sistema plantio direto de longa duração In: **XXXV Congresso Brasileiro de Ciência do Solo,** 2015, Natal - RN. (Poster presentation)

2013

Inagaki, T. M.; Dick, W. A.; Chen, L. Tillage and Crop Rotation Impacts on Greenhouse Gas Emissions from Ohio Soils. In: Wooster – OH. **Ohio State University OARD Internship program**. 2013. (Oral presentation).

Inagaki, T. M.; Briedis, C.; Sa, J C M. Sistemas de manejo e a respiração basal do solo em ambiente tropical e subtropical In: 22° EAIC e 3° EAITI, 2013, Foz do Iguaçu. **22° EAIC e 3° EAITI**. (Oral presentation).

2012

Hartman, D. C.; Inagaki, T. M.; Santos, J. Z.; Briedis, C. Evidências de saturação de carbono em solos sob plantio direto em agro-ecosistemas sub-tropical e tropical no brasil. **In: XXI Encontro Anual de Iniciação Científica**, 2012**,** Maringá. (Oral presentation)

2011

Borszowskei, P. R.; Sa, J C M; Tivet, F. E.; Navarro, J F; Nadolny Junior, M.; Hartman, D. C.; Eurich, G.; Inagaki, T. M.; Farias, A.; Briedis, C; Santos, J. B.; Rosa, J. A. Alterações no compartimento oxidável

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