

Gisella R. Lamas-Samanamud, PhD

Lecturer of Chemical Engineering – University of Kentucky
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Professional Preparation

University of Sao Paulo (SP, Brazil)	Biochemical Engineering	B.S., 2006
University of Sao Paulo (SP, Brazil)	Chemical Engineering	M.S., 2011
UT at San Antonio (San Antonio, TX)	Environmental Engineering	Ph.D., 2015

Appointments

2018 – Present	Lecturer, Courses: EGR101, CME 433, CME 470, Dept of Chemical & Materials Engineering, UK
2018-2018	Lecturer II in Chemistry I Lab CHE1121, Dept Chemistry, UTSA
2017-2017	Lecturer in Environmental Engineering CE2633, Dept Civil and Environmental Engineering, UTSA
2016-2018	PostDoc Fellowship, Dept Civil and Environmental Engineering, UTSA
2012-2015	Research Assistant, Dept. Civil and Environmental Engineering UTSA
2006-2012	Teaching Assistant, Hernandez Carvalho Escola de Idiomas Ltda.
2008-2011	Water Quality Analyst, Env. Engineering Laboratory, USP
2005-2005	Biochemical Engineering Trainee, Sourcotech Quimica Ltda.
2004-2005	Research Assistant, Department of Biotechnology and Chemistry, USP

Products

Five Recent Products

1. de Lima, B. A., de Castro, P. P. R., França, A. B., Baston, E. P., Lofrano, R. C. Z., **Samanamud, G. R. L.**, Loures, C. C. A & Naves, F. L. (2018). Evaluation of the effectiveness of red mud-supported catalysts in combination with ozone and TiO₂ in the treatment of solution containing benzene, toluene, and xylene. *Environmental monitoring and assessment*, 190(9), 560.
2. Paixão, K., Abreu, E., **Samanamud, G. R. L.**, França, A. B., Loures, C. C. A., Baston, E. P., ... & Naves, F. L. (2018). Normal Boundary Intersection Applied in the Scale-up for the Treatment Process of Eriochrome Black T through the UV/TiO₂/O₃ System. *Journal of Environmental Chemical Engineering*.
3. Braga, W. L. M., Roberto, J. A., Vaz, C., **Lamas-Samanamud, G. R.**, Loures, C. C. A., França, A. B., Lofrano, R. C. Z., Naves, L. L., Gomes, J. H., Naves, F. L., (2018) Extraction and optimization of tannin from the flower of *Musa sp.* applied to the treatment of iron ore dump. *Journal of Environmental Chemical Engineering*, 6 (2018).
4. Moura, D., Barcelos, V., **Lamas-Samanamud, G. R.**, França, A. B., Lofrano, R., Loures, C. C. A., Naves, L. L. R., Amaral, M. S., Naves, F. L., (2018) Normal boundary intersection applied as multivariate and multiobjective optimization in the treatment of amoxicillin synthetic solution. *Environmental Monitoring and Assessment*, 190 (3), 140.
5. **Lamas-Samanamud, G. R.**, Shipley, H. J., (2017) Effect of Carbon Sources on the Stability and Competition of T7 λ iiA Phage Lysates. *Environmental Engineering Science*, 34 (3), 139 – 148.

Five Other Significant Products

1. Pei, R. **Lamas-Samanamud, G. R.**, (2014) Inhibition of biofilm formation by T7 bacteriophages producing quorum quenching enzymes. *Applied and Environmental Microbiology*. 80 (17), 5340-5348
2. Loures, C. C. A., Izário Filho, H. J., Oliveira, I. S., **Lamas Samanamud, G. R.**, de Souza, A. L., Silva, M. B., (2014) The Application of Response Surface Methodology in the Study of

- Photodegraded Industrial Dairy Effluents by the Photo-Fenton Process: Optimization and Economic Viability. *ISRN Chemical Engineering*, Vol. 2014, Article ID 967534, 9 pages.
- Souza, A. L., Izario Filho, H. J., Peixoto, A. L. C., Guimaraes, O. L. C., Loures, C. C. A., **Lamas Samanamud, G. R.**, Silva, M. B., (2013) Effects of ferric ions on the catalytic ozonation process on sanitary landfill leachates. *Ambi-Agua*. 8 (1), 48-61.
 - Loures, C. C. A., Alcântara, M., Izario Filho, H. J., Teixeira, A., Silva, F., Paiva, T., **L. Samanamud, G. R.**, (2013) Advanced Oxidative Degradation Processes: Fundamentals and Applications. *International Review of Chemical Engineering (IRECHE)*. 5(2), pp. 102-120.
 - Loures, C. C. A., Izário Filho, H. J., **Lamas Samanamud, G. R.**, Souza, A. L., Salazar, R. F. S., Peixoto, A. L. C., Guimarães, O. L. C., (2013) Performance Evaluation of Photo-Fenton and Fenton Processes for Dairy Effluent Treatment. *International Review of Chemical Engineering (IRECHE)*. 5 (4), 280-288.

Synergistic Activities

- Reviewer for the journals of *Science of Total Environment*, *Applied and Environmental Microbiology*, *Environmental Science: Processes & Impacts*, *British Journal of Applied Science & Technology*, *Environmental Engineering and Management Journal*, *Environmental Engineering Science*.
- Professional Organizations Member: Association of Environmental Engineering & Sciences Professor, Society of Women Engineers, American Indian Science and Engineering, Engineers Without Borders
- Grant: CNPQ (2018), San Antonio Postdoctoral Research Forum Travel Grant (2016), NSF Travel Assist Grant (2016), UTSA Connect Fund (2016) and NSF CBET-1438622 (2015).
- Honors and Awards: NSF - ACADEME – Early Faculty Career Development (2018), 2nd Place Poster Presentation at EcoExchangeEdu (2018), 2nd Place Poster Presentation at Spring Colloquium (2018), 2nd Place Poster Presentation at UTHSCSA (2016), Who’s Who at UTSA (2015), Best Oral/ Poster Presentation UTSA (2012).
- National Science Foundation Graduate Panel Reviewer (2019), COS Research Conference Judge (2018), Ecybersubmission Cyber Judge (’17, ’18), HENAASC Scholarships Reviewer (’17, ’18), State of Texas Science Fair judge (’14-’16), UTSA Morese Colloquium Judge (2013)
- Faculty member for Green Club (WKCTC/UK Paducah)

Collaborators and Other Affiliations

Collaborators and Co-editors: (20)

Carla C. A. Loures (CEFET)

Fabiano Naves (UFSJ)

Heather J. Shipley (UTSA)

Tony Reeves (WFBMC)

Kenneth Lange (SwRI)

Helcio J. Izario Filho (USP)

Messias B. Silva (USP)

Ana Paula B. R. de Freitas (UNESP)

Leandro V. de Freitas (PETROBRAS)

Fernando A. S. Marins (UNESP)

Ivy S. Oliveira (USP)

Andre L. Souza (USP)

Rodrigo S. Salazar (UERGS)

Andre L. C. Peixoto (IFSP)

Oswaldo L. C. Guimaraes (USP)

Marco Alcantara (USP)

Antonio Teixeira (USP)

Teresa Paiva (USP)

Flavio Silva (USP)

Ruoting Pei (UTSA)

Undergraduate advisors: (4)

Andrea Mertins (UTSA)

Fernando Lopez (UTSA)

Armando Montante III (UTSA)

Nikolas Carwile (UTSA)