Gustavo Borel Menezes

Curriculum Vitae

Education

2007 - 2009 Post-Doctoral Training, Spelman College, Atlanta, USA
Spelman College, Atlanta, Georgia

2004 - 2007 Ph.D., Infrastructures and Environmental Systems.
Department of Civil and Environmental Engineering
University of North Carolina at Charlotte, North Carolina
Dissertation: GIS-Based Regionalized Impact Assessment Methodology for Subsurface Transport of Contaminants from Point Sources

2001 - 2004 Master of Science, Civil and Environmental Engineering.
University of North Carolina at Charlotte, North Carolina
Thesis: An Aggregation Index for Composite Mixtures of Barrier Materials Based on Sorption Capacity Measurements

1995 - 2000 Bachelor of Science, Civil Engineering
Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brazil

Academic Employment

2025 – present Interim Associate Provost for Undergraduate Student Success, Cal State LA
2023 – present Director of Education and Outreach and Co-PI, NSF CREST Center for Advancement toward Sustainable Urban Systems (CATSUS)
2022 – 2025 Chair - Dept. of Civil Engineering, California State University Los Angeles
2017 – 2025 Professor – Dept. of Civil Engineering, California State University Los Angeles
2018 – 2022 Director – ENGR Division at ECST
2016 – 2022 Director – First-Year Experience at ECST (FYrE@ECST)
2013 – 2017 Associate Professor – Department of Civil Engineering, California State University Los Angeles
2009 – 2013 Assistant Professor – Department of Civil Engineering, California State University Los Angeles
2007 - 2009 Post-Doctoral Research Associate, Environmental Science & Studies, Spelman College

Academic Administration Experience

2025 – present **Interim Associate Provost for Undergraduate Student Success, Cal State LA**

As the Interim Associate Provost for Undergraduate Student Success, my primary responsibilities include overseeing the Office of Undergraduate Studies (~$2M budget management, personnel evaluation, curriculum management, articulation, transfer agreements, work with Chancellor's Office on undergraduate program matters), Center for Academic Advising (tutoring and writing wings), First-Year Connection (Early-Start, Timely Support, PLUS Program), Advising (centrally coordination of advising efforts on Campus, advisor on-boarding and professional development, assessment and continuous improvement), and the University Academic Advising Center (advising for the College of Ethnic Studies Majors, Athletes, and Exploring Majors, support to Colleges' Student Success and Advising and Centers, and enrollment management support for GE courses).

Responsible for running the biweekly meetings with Associate Deans, Directors of Advising, and Advising Campaign and Calendar Meetings. In addition, I work with the Academic Senate through the shared governance process to develop and improve policies (Educational Policy Committee, Student Policy Committee, and Advising Sub-Committee) and to support activities of the University Academic Appeals Board.

Key Accomplishments:

- Led cross-campus implementation of First-Time Freshman cohort models (Major, Exploring, and PAS Thematic Cohorts), impacting 700+ students (Fall 2026).
- Worked with UAAC staff to launch the "Ready When You Are" re-engagement campaign, reaching 2,500+ stop-out students, with strong return interest and engagement.
- Partnered with faculty and chairs to design 5-week course modules (pilot: Fall 2027) to improve flexibility and student progression.
- Initiated partnership with Library faculty to expand Summer Bridge opportunities for first-time freshmen, launching a Summer 2026 pilot that will potentially allow 200 students to complete the Introduction to Higher Education (IHE) requirement prior to matriculation and benefit from early academic and campus integration.
- Collaborated with CETL and departments to align NACE career readiness competencies across curricula.
- Organized asset-based advising workshops for advising directors (DSSAs), advancing equity-centered advising practices.
- Unified Tutoring and Writing Center operations into a single Academic Support unit, improving coordination and access.
- Optimized tutoring resources in collaboration with CAS, aligning support with high-DFW courses and student demand.
- Partnered with the Mathematics Department to expand Math Gym participation and enhance program tracking through Navigate Kiosk.
- Streamlined student petition processes (Reinstatement and Withdrawal) using Adobe Sign and Drupal Webforms, improving efficiency and accessibility.
- Collaborated with the Educational Policy Committee (EPC) to revise the University Withdrawal Policy (submitted to Senate).
- Established cross-institutional and campus partnerships (CSUSB, ITS, CETL, CO) to integrate Canvas and Navigate data, strengthening early alert systems. System will be ready for testing in Summer and implementation in Fall 2026.
- Initiated development of Canvas-to-GET grade integration to improve administrative workflows.
- Led research to modernize curriculum systems, including evaluation of alternatives to Curriculog.
- Managed the final year, budget, and reporting of the Éxito! Grant, ensuring successful closeout and sustained impact.
- Participated in the CSU Leadership Academy, Spring 2026

2022 – 2025 Department Chair, Civil Engineering, Cal State LA

As the Department Chair of the Civil Engineering Department, my primary responsibilities included providing academic and administrative leadership for the department, supporting faculty in teaching, research, and advising to undergraduate and graduate students, and ensuring the quality and effectiveness of the B.S. and MS. In civil engineering curriculum and degree programs. My role also included coordinating course scheduling and faculty assignments, overseeing department budget, leading departmental meetings and strategic planning efforts, overseeing program assessment and accreditation processes, and working closely with college leadership to advance

student success and departmental goals.

Key Accomplishments:

- Successfully led the department through its most recent accreditation cycle, earning a full 6-year accreditation with no concerns or weaknesses. The evaluator described the self-study report as the best reviewed in 20 years of evaluating Civil Engineering programs.
- Implemented strategic initiatives and targeted marketing efforts that resulted in 18.5% growth in undergraduate FTES and 23.3% growth in graduate FTES from Spring 2025 to Spring 2026.
- Led the $2M NSF Eco-STEM project, establishing a Faculty Community of Practice on Inclusive Teaching across the college, developing a peer-evaluation system now used college-wide, and piloting a redesigned Student Opinion Survey aligned with the science of learning and inclusive teaching practices. (I started this work as a faculty member and continued while department chair).
- Co-led the $5M NSF which has streamlined support to 20+ faculty members and interdisciplinary research opportunities for 100+ students. Co-developed and implemented the Research Seminar, and ECST Research Week.
- Collaborated with faculty to streamline the Civil Engineering curriculum, removing misaligned prerequisites and improving curricular coherence.
- Developed a new Engineering Math course to support student success in lower-division engineering courses while strengthening preparation for advanced coursework, by introducing math through civil engineering applications.
- Reintroduced the AutoCAD course, providing students with a critical entry-level workforce/career skill long requested by the Industry Advisory Board.
- Expanded and promoted the Second Bachelor's in Civil Engineering program, creating pathways for career changers and serving 22 students to date.
- Hired the only dedicated Engineering Education faculty member in a CSU engineering department, advancing innovation in pedagogy and student success.
- Strengthened external engagement by hosting the department's first Alumni Celebration and Awards Event, reconnecting nearly 100 alumni with the department.
- Improved departmental efficiency by automating key administrative processes using Adobe Sign Webforms.

2016 – 2022 Director of First-Year Experience @ ECST (FYRE@ECST)

As the director of First-Year Experience in the College of Engineering, Computer Science, and Technology (ECST), my primary responsibilities included recruiting and onboarding incoming students, coordinating with departments across campus to reserve course sections that support the first-year experience pathway, and hiring and supporting faculty teaching in the program. The role also included overseeing program assessment and continuous improvement efforts, managing the program budget, leading NSF-funded First-Year Experience at ECST grant, and collaborating with campus partners to ensure a coordinated and supportive transition for first-year students in ECST.

Key Accomplishments:

- Co-designed and institutionalized the First-Year Experience (FYrE@ECST), establishing a coordinated, college-wide framework to support first-time students.
- Led the evaluation, implementation, and continuous improvement of high-impact practices, strengthening student engagement, persistence, and early academic success. FYrE also significantly increased the 4-year graduation rate in ECST, which was virtually zero before FYrE.
- Developed and advanced a strategic plan to expand FYrE to all ECST students, including a

pilot with Civil Engineering students in Fall 2025 and broader implementation in Fall 2026.
- Collaborated with the Mathematics and Physics departments to redesign course structures and better align foundational coursework with the needs of engineering students.
- Partnered with the ECST advising community to enhance the first-year advising experience, improving coordination and student support.
- Developed the "Introduction to Mechanics" course, integrating physics concepts with engineering applications to improve student performance in gateway physics course.
- Managed the NSF "First Year Experience for Engineering, Computer Science & Technology" ($465K)

Scholarship and Academic Accomplishments

Funding - $9.5M

1. 2025-2026: CO/CSU: "AI-Enhanced STEM Supplemental Instruction Workshops" Amount: $60,000 (PI)
2. 2025-2026: Summer Making, Academic Prep. And Research for Transfer Students (SMART) Civil Engineering Internship Program" Amount: $54,663.00 (PI).
3. 2023-2028: NSF/CREST: "CREST Center for Advancement toward Sustainable Urban Systems" Amount: $5,000,000 (Co-PI)
4. 2020-2026: NSF/IUSE: "Transforming STEM Education Using an Asset-Based Ecosystem Model (The Eco-STEM)" Amount: $ 1,949,924 (PI).
5. 2020-2021: NSF/INCLUDES: "NSF INCLUDES Planning Grant: An NSF CREST Centers Collaboration to Advance Minority Undergraduate Student Researchers in STEM" Amount: $99,649 (PI).
6. 2019-2020: NSF/CREST Supplement: "Advancing Water Sustainability in Mediterranean Climate Urban Areas" Amount: $100,000 (Co-PI).
7. 2019-2024: NSF REU Site: "Changing Dynamics of Hydrological Systems in Urban Areas: Response to Human Disturbance and Climate Change" Amount $ $389,984 (SP).
8. 2017-2020: NSF/DUE "First Year Experience for Engineering, Computer Science & Technology" Amount: $465,000 (Co-PI).
9. Spring 2016: Cal State LA internal funding. Creative Leave. "Advancing Research on Fate and Transport of Contaminants in the Subsurface at Cal State LA".
10. 2016-2021: NSF CREST Center for Energy and Sustainability (CEaS). Amount: $4,999,998 (SP).
11. Summer 2015: ECST Summer Research Support. "Subsurface water quality and sustainability". Amount: $15,000.
12. 2014-2016: CalState STEM Collaboratives. "First-Year Experience (FYrE) @ ECST". Amount: $375,000 (PI in 2016; previously Co-PI)
13. 2014-2016: NSF/IUSE". "BOOST:Bridge Opportunities Offered for the Sophomore Transition". Amount: $249,983 (Co-PI)
14. 2013-2017 NSF/. "Sophomore Unified Core Curriculum for Engineering Education (SUCCEed). Amount: $199,900 (PI)
15. 2012-2015: NSF/Major Research Instrumentation. "MRI: Acquisition of an Ultra-Centrifuge to Enhance Research and Education at California State University Los Angeles". Amount: $441,737 (PI)

16. 2011-2012: NSF/CREST. "Supplement to establish the Modeling Component of the CREST Center for Energy and Sustainability and the Joint Doctorate in Complex Systems". Amount: $100,000 (Co-PI)

Event Leadership

1. Workshop Organizer, Menezes, G.B.; Suarez, O.M., Cerrato, J., Tamargo, M. (2020) Workshop: Role of NSF STEM Centers in Broadening Participation of Hispanics. Hispanic Association of Colleges & Unvirsities 34th Annual Conference (Virtual), October 27, 2021.
2. Co-Chair, ASEE PSW Conference, Los Angeles, California, April 4-6,2019
3. Workshop Organizer, "The Role of NSF Research Centers in Broadening Participation and Closing the Gap in Science and Engineering", ASEE PSW Conference, Los Angeles, California, April 4-6,2019
4. Workshop Organizer, "Engineering Education Interventions for Large Number of students – Setting up Large-Scale Interventions for Success", ASEE PSW Conference, Los Angeles, California, April 4-6,2019
5. Co-Chair, International Conference on Soil and Groundwater Environments, Seoul, South Korea, April 28-30, 2014.
6. Chair, Organizing Committee, XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development (ISEG 2012), Los Angeles, June 27-29, 2012.

Peer-Reviewed Conference Papers

1. Menezes, G., Bowen, C., Rabb, N., Mejia, K., Thompson, L. & Warter-Perez, N. (2025, June), *Nurturing an Ecosystem for Transformation: Progress and Insights from the Transforming STEM Education using an Asset-Based Ecosystem Model Project at Cal State LA (Year 4)*, Paper presented at 2025 ASEE Annual Conference & Exposition, Montreal, Canada.
2. Rabb, N., Bowen, C., Mejia, K., Heubach, S., Menezes, G., Ibrahim, M., Feng, Y. (2025, June), *The Voices of Our Students: Developing a Student Opinion Survey and Process to Support a Healthy STEM Educational Ecosystem*, Paper presented at 2025 ASEE Annual Conference & Exposition, Montreal, Canada.
3. Hoang, S., Bowen, C., Menezes, G., & Panwar, S., (2025, June), *Instructor Experiences Implementing Two Engineering Graphics Courses using Mastery-Based Grading and Project-Based Learning*, Paper presented at 2025 ASEE Annual Conference & Exposition, Montreal, Canada.
4. Kwan, WS, De Jesus, B., Menezes, G. (2025, June), *Comparison of Advanced Hydraulic Properties between Microplastic and Fines in Sands*, Paper presented at 4th Pan-American Conference on Unsatured Soils, Ottawa, ON, Canada.
5. Mejia, K. Z., & Bowen, C. L., & Thompson, L. L., & Feng, Y., & Menezes, G. B. (2024, June), *Designing Inclusive Teaching Workshops with Non-Tenure-Track Faculty in Mind* Paper presented at 2024 ASEE Annual Conference & Exposition, Portland, Oregon. 10.18260/1-2—47144.
6. Rajashankar, T., Trigueros, M., Mejia, K. Z., Thompson, L., Bowen, C. L., & Menezes, G. (2024, October). Exploring the Impact of Introducing Asset-based Thinking on Faculty Perspectives. In *2024 IEEE Frontiers in Education Conference (FIE)* (pp. 1-8). IEEE.
7. Bowen, C. L., & Menezes, G. B., & Ibrahim, M. W., & Feng, Y., & Mejia, K. Z., & Thompson, L. L. (2024, April), *Where Do We Start?: Measuring Systemic Educational Wellness at a Minority-Serving Engineering and Technology College* Paper presented at 2024 ASEE PSW Conference,

Las Vegas, Nevada. 10.18260/1-2--46071

8. Bowen, C. L. and Ibrahim, M. W. and Menezes, G. B.. (2023). A Measurement of Systemic STEM Educational Wellness at aMinority-Serving Institution Using the Eco-STEM Educational Ecosystem Health Survey. 2023 ASEE Annual Conference &Exposition.
9. Nazar, C.. and Thompson, L. and Bowen, C. and Menezes, G.. (2023). Developing a Leadership Community of PracticeToward a Healthy Educational Ecosystem. 2023 ASEE Annual Conference & Exposition.
10. Menezes, G., & Warter-Perez, N., & Dong, J., & Bowen, C., & Mijares, J., & Heubach, S., & Allen, E., & Nazar, C., & Thompson, L., & Galvan, D., & Schiorring, E. (2022), Eco-STEM: Transforming STEM Education using an Asset-based Ecosystem Model Paper presented at 2022 ASEE Annual Conference & Exposition, Minneapolis, MN.
11. Bowen, C., & Thompson, L., & Menezes, G., & Nazar, C. (2022), Work-In-Progress: Measuring Systemic Educational Wellness using the Eco-STEM Educational Ecosystem Health Survey Paper presented at 2022 ASEE Annual Conference & Exposition, Minneapolis, MN.
12. Warter-Perez, N., & Galvan, D., & Mijares, J., & Bowen, C., & Menezes, G., & Thompson, L. (2022), Work In Progress: Developing a Faculty Community of Practice to Support a Healthy Educational Ecosystem Paper presented at 2022 ASEE Annual Conference & Exposition, Minneapolis, MN.
13. Machado, J.M., Vasquez, B., Kwan, W.S., Fuentes, J.M., Menezes, G.B. (2021). Implementation of two-phase flow models for recycled materials in embankments. Proceedings of 34d Pan-American Conference of Unsaturated Soils, Rio de Janeiro, Brazil.
14. Machado, J., Kwan, W. S., Gore M. S. and Menezes G. B., (2020). "Comparison of Advanced Hydraulic Properties between Treated and Untreated Bauxite Residue", Proceedings of the 2nd International Conference on Energy Geotechnics, La Jolla, California, USA, September 20 - 23, 2020. Paper No : 12002.
15. Menezes, G. B., & Nerenberg, P. S., & Li, N., & Allen, E. L. (2020). "Results of an Intro to Mechanics Course Designed to Support Student Success in Physics I and Foundational Engineering Courses". Paper presented at 2020 ASEE Virtual Annual Conference. Content Access, Virtual On line . 10.18260/1-2—35157
16. Ragusa, G., & Allen, E. L., & Menezes, G. B. (2020). "Impacts Resulting from a Large-scale First-year Engineering and Computer Science Program on Students' Successful Persistence Toward Degree Completion". Paper presented at 2020 ASEE Virtual Annual Conference Content Access, Virtual On line . 10.18260/1-2—34764
17. Menezes, G. B., & Allen, E. L., & Ragusa, G., & Schiorring, E., & Nerenberg, P. S. (2019): Quantitative and Qualitative Assessment of Large-scale Interventions in a First-year Experience Program Paper presented at 2019 ASEE Annual Conference & Exposition , Tampa, Florida. https://peer.asee.org/32177
18. Won, D., & Ragusa, G., & Menezes, G. B., & Sharif, A., & Shahverdi, M., & Li, N., & Pacheco-Vega, A. (2019), [*Best Paper Award and Best Diversity Paper Award in Regional and National Conferences*] BOOSTing preparedness through engineering project-based service learning Paper presented at 2019 Pacific Southwest Section Meeting, California State University, Los Angeles , California. https://peer.asee.org/31817
19. N. Li, G.B. Menezes, P. Nerenberg, E. Allen. (2018). First-Year Experience (FYrE@ECST): Intro to Physics Course (WIP), Proceedings of the Collaborative Network for Engineering

and Computing Diversity (CoNECD), Crystal City, VA, April 29-May 2, 2018.

20. Kornblum, S.L., Avery, Z.K., Menezes, G.B., Won, D., Allen, E. (2017). Enhancing Engineering First-Year Experience (FYrE) through Supplemental Instruction. Proceedings of First-Year Engineering Experience (FYEE) Conference August 6-8, 2017, Daytona Beach, FL Menezes G. B., Won D. , Tufenkjian M., Allen E., Schiorring E. B. (2017. An integrated first-year experience at ECST (FYrE@ECST). Proceedings of ASEE Annual Conference, Columbus, OH, June 25-28, 2017.
21. Won, D., Menezes, G., Sharif, A., Ragusa, G., Pacheco-Vega (2017. Boosting engineering identity of rising sophomore engineering majors through service learning based bridge program. Proceedings of ASEE Annual Conference, Columbus, OH, June 25-28, 2017.
22. Won, D., Ragusa, G., Sharif, A., Menezes, G., Pacheco-Vega, A. (2016. Impact of highlighting ethical considerations in the engineering design process through a service-learning-based freshman-to-sophomore bridge. Proceedings of the First Year Engineering Experience (FYEE) Conference, July 21 – August 2, 2016, Columbus, OH.
23. Sharif, A., Menezes, G.B., Schlemer, L.T., Won, D.S. (2016. Discovering the Magic of Mathematics: *Mathemagics*. Proceedings of the International Conference on New Perspectives in Science Education, Florece, Italy, March 17-19, 2016.
24. Menezes, G.B., Sharif, A., Pacheco-Vega,A., Won, D., Rodriguez-Nikl, T, Ragusa, G., Khachikian,C.S. (2015. Sophomore Unified Core Curriculum for Engineering Education (SUCCEEd) at CalStateLA, Proceedings of ASEE's Annual Conference, Seattle, WA, June 14-17.
25. Rodriguez-Nikl, Won, D., Menezes, G.B., Pacheco-Vega,A., Sharif, A., T, Ragusa, G. (2015) Integrated project for sophomore-level engineering course contextualization (SUCCEEd) at CalStateLA, Proceedings of ASEE's Annual Conference, Seattle, WA, June 14-17.
26. Al Mamun, S., Sanus, O., Menezes, G.B. (2014. Effect of Degree of Saturation on Preferential Flow Development in Unsaturated Soils. Proceedings of the 2014 International Conference on Soils and Groundwater, Seoul, Korea, April 28-30, 2014.
27. Medina, R., Menezes, G.B. (2014. Nitrate Transport in Unsaturated Soil Treated with Fly Ash. Proceedings of the 2014 International Conference on Soils and Groundwater, Seoul, Korea, April 28-30, 2014.
28. Galvão, T.B., Menezes, G.B. (2014. Variations in Soil Water Characteristic Curves of Lateritic Soils Treated with Dolomite. Proceedings of the 2014 International Conference on Soils and Groundwater, Seoul, Korea, April 28-30, 2014.
29. Chan, T., Menezes, G.B. (2013. Active Learning in Computer-Aided Engineering Courses (WIP). Proceedings of the 2013 American Society for Engineering Education Pacific Southwest Conference, April 18-20, 2013.
30. Medina, R., Motamedi, A., Okcay, M., Oztekin, B., Menezes, G.B., Pacheco-Vega, A. (2012. On the Implementation of Open Source CFD System to Flow Visualization in Fluid Mechanics. Proceedings of the 2012 ASEE Annual Conference, San Antonio, TX, June 10-13, 2012.
31. Medina, R., Wong K, Y., Menezes, G.B. (2012. Transport of fertilizer-derived chemicals through unsaturated soil. Proceedings of the XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Develop., Los Angeles, CA, Vol. 3, 299-309.
32. Medina, R., Okcay, M., Menezes, G.B., Pacheco-Vega,A. (2011. Implementation of Particle Image Velocimetry in the Fluid Mechanics Laboratory. Proceedings of the 2011 PSW

American Society for Engineering Education Zone IV Conference, California State University, Fresno, CA 93740, March 31 – April 2, 2011 42-50.

33. Coelho, A.T., Galvão, T.B., Menezes, G. B.. 2008. Degraded Land Rehabilitation –The Case Study of The Borrow Area for the Itumbiara Hydroelectric Power Plant- Brazil. Proceedings of the International Symp. on Env. Geotechnology and Global Sustainable Development International Symposium on Environmental Geotechnology and Global Sustainable Development Hong Kong 2008 560-571 Hong Kong: Advanced Technolvation Limited
34. Galvão, T.B., Coelho, A.T., Menezes, G. B. (2008). GIS Spatial Analysis Applied to Streambank Erosion Monitoring In Proceedings of the International Symposium on Environmental Geotechnology and Global Sustainable Development International Symposium on Environmental Geotechnology and Global Sustainable Development Hong Kong 2008 277-286 Hong Kong: Advanced Technolvation Limited
35. Menezes, G. B., Galvão, T.B. (2008). GIS-Based Environmental Impact Index as an Indicator of Sustainability In Proceedings of the International Symposium on Environmental Geotechnology and Global Sustainable Development International Symposium on Environmental Geotechnology and Global Sustainable Development Hong Kong 2008 538-547 Hong Kong: Advanced Technolvation Limited
36. Borel, F.M., Menezes, G. B., Xiang, W. (2006). A GIS-Based Job Accessibility Analysis In Papers and Proceedings of Applied Geography Conference Applied Geography Conference Tampa, FL, 435-442
37. Ayoola, M.G., Inyang, H. I., Ogunro, V.O., Menezes, G.B.. (2005). Estimation of Freeboard Requirements against Overtopping of Surface Impoundments under Seismic Action In Proceedings of the International Conference on Energy, Environment and Disasters (INCEED 2005) International Conference on Energy, Environment and Disasters (INCEED 2005) Charlotte, NC 2005
38. Ogunro, V.O., Inyang, H. I., Ayoola, M.G., Menezes, G.B.. (2005). Geosynthetics in mitigating seismic-induced waste containment cover instability In Proceedings of the International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation Singapore 2005 472-477World Scientific Publishing Co.

Journal Publications

1. Coelho, A.T.; Menezes, G.B.; de Brito Galvão, T.C.; Coelho, J.F.T. (2021) Performance of Rolled Erosion Control Products (RECPs) as Bioswale Revetments. Sustainability, 13:7731.
2. Vianna, V.F., Fleury, M.P., Menezes, G.B., Coelho, A.T., Bueno, C., Lins da Silva, J., Luz, M.P. (2020). Bioengineering Techniques Adopted for Controlling Riverbanks' Superficial Erosion of the Simplício Hydroelectric Power Plant, Brazil. Sustainability, 12:7886.
3. Galvao, T.C, Coelho,A.T., Menezes, G.B., Fonseca,E.B. 2018. Study of Erosion Control Techniques Applied to Hydroelectric Power Plants Reservoir Margins, Athens Journal of Sciences, 5(4): 329-342
4. Medina, R., Menezes, G.B., Khachikian, C., Ellis, A. 2015. Use of Flyash as Amendment to Mitigate Nitrate Contamination. Vadose Zone, 14(4).
5. Sanchez, H., Khachikian, C., Menezes, G.B., Espinoza, C. 2014. Laboratory investigations of enhanced weathering of soils from Mammoth Mountain, CA, a naturally CO_2-impacted field site. Environmental Science & Technology, 48(20):12056-62.

6. Sanusi, O. and Menezes, G.B. (2014). Pulp and Paper Mill Effluents Management. Water Environment and Research, 86(10):1535-1544.
7. Menezes, G.B. and Inyang, H.I. 2012. Linking HAZUS-MH Risk Analysis Methodology to Contaminant Release Models. ASCE Natural Hazards Review, 13(1):74-81.
8. Begum, J.A.; Menezes, G.B.; Moo-Young, H.K. 2012. Pulp and Paper Mill Effluents Management. Water Environment Research, 84(10): 1502-1510.
9. Menezes, G.B. and Moo-Young, H.K. A Centrifuge Study of Unsaturated Flow in Anisotropic Heterogeneous Media. International Journal of Hydrology Science and Technology, 1(3/4):147-163.
10. Menezes, G.B.; Golkar, T.; Moo-Young, H.K. 2011. Pulp and Paper Mill Effluents Management. Water Environment Research, 83(10): 1525-1531.
11. Menezes, G.B., Galvao, T.C.B and Moo-Young, H. K. 2010. Pulp and Paper Mill Effluents Management. Water Environment Research, 82(10):1560-1567.
12. Menezes, G.B and Inyang, H.I. 2009. GIS-based Contaminant Transport Model for Heterogeneous Hydrogeological Settings. Journal of Environmental Informatics, v.14, 11-24
13. Menezes, G.B., Moo-Young, H. K.. 2009. Pulp and Paper Mill Effluents Management. Water Environment Research, v.81, 1687-1695
14. Inyang, H.I., Wachsmuth, P.R., Menezes, G.B. 2009. Georadiological Barrier Gamma Attenuation Model for Waste Containment. I: Model Formulation. Journal of Environmental Engineering (New York, N.Y.), v.135, 225
15. Inyang, H.I., Wachsmuth, P.R., Menezes, G.B. 2009. Georadiological Barrier Gamma Attenuation Model for Waste Containment. II: Model Implementation. Journal of Environmental Engineering (New York, N.Y.), v.135, 234
16. Menezes, G.B, Inyang, H. 2008. Contaminant Sorbent Aggregation Index based on Cadmium Sorption Capacity. Soil & Sediment Contamination. , v.17, 363-380
17. Inyang, H., Hourani, M., Menezes, G., Young, D., Ogunro, V., Bin, S., Work, D. 2008. Stereological Analysis of Aggregate Distribution. Contaminant Barrier Concrete. Soil & Sediment Contamination, v.17, 425-436
18. Galvao, T.B., Inyang, H, Menezes, G.B., BAE, S. 2007. Clay charge reversal effects on aqueous polymer sorption on lateritic soils. Chemosphere (Oxford), v.66, 638-643
19. Inyang, H. I., Rossi, L., Graham-Eagle, J., Pennell, S., Menezes, G.B. 2007. Modelling smectite illitization in earthen barriers of buried radioactive wastes Geomechanics and Geoengineering: An International Journal, Vol. 2, No.2, pp. 87 – 95.
20. Inyang, Hilary I., Wachsmuth, Paul, Menezes, Gustavo B., Piet, Steve J.. 2005. Simplified Design of Georadiological Barriers for Contaminated Sites. Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management. , v.9, 253

Book Chapters

1. Benson, C.H., S.F..Dwyer, Blowes, D.W., Carson, D.A., Deming, P.W., Evans, J.C., Gee, G.W., Inyang, H. I., Jefferis, S.A., Matsumoto, M.R., Menezes, G. B., Morrison, S.J., Warner, S.D., Wilkens, J.A.. 2005. Material Stability and Applications In Barrier Systems for Environmental

Contaminant Containment and Treatment, edited by States Dept. of Energy, United States Environmental Protection Agency, E.I. du Pont de Nemours & Company, 143-200. New York: CRC - Taylor & Francis

Edited Proceedings

1. Lee, J.Y., Menezes, G.B. 2014. Proceedings of the 2014 International Conference on Soil and Groundwater Environment, Seoul, Korea, April 28-30, 2014.
2. Menezes, G.B., Moo-Young, H.K., Khachikian, C.S., Galvão, T.C. 2012. Environmental Geotechnology, Proceedings of the XII International Symp. on Env. Geotechnology, Energy and Global Sustainable Develo., Vol. I, Los Angeles, CA, June 27-29, 2012.
3. Menezes, G.B., Moo-Young, H.K., Khachikian, C.S., Galvão, T.C. 2012. Energy and the Environment, Proceedings of the XII International Symposium on Environmental Geotech., Energy and Global Sustainable Development, Vol. II, Los Angeles, CA, June 27-29, 2012.
4. Menezes, G.B., Moo-Young, H.K., Khachikian, C.S., Galvão, T.C. 2012. Water Sustainability, Proceedings of the XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development, Vol. III, Los Angeles, CA, June 27-29, 2012.
5. Inyang, H. I., Menezes, G. B., Braden, C.L., Fodeke, B.A. 2006. Journal of Abstracts of the International Conference on Infrastructure Development and the Environment. Abuja - Nigeria - September 10-15.
6. Inyang, H. I., Menezes, G. B., Fodeke, B.A., Braden, C.L.. 2005. Bridging the Gaps for Global Sustainable Development: Journal of Abstracts of the International Conference on Energy, Environment and Disasters - Charlotte, NC - July 24-30., p. 179

Conference Presentation (Abstract Only)

1. Li, N., Menezes, G.B., Nerenberg, P., Linker, S.D., Allen, E.L. 2019. Using active learning in a Preparatory Introduction to Mechanics Course, ASEE PSW Conference, Los Angeles, California, April 4-6,2019
2. Menezes, G.B., 2012. Assessing the Use of a Web-Based Interactive Response System in Engineering Courses at CSULA. PSW ASEE Conference, San Luis Obispo, April 19-21, 2012, San Luis Obispo, CA.
3. Bautista, E., Menezes, G.B. 2011. Hydroponically Grown Crops Using Recycled Water From a Wastewater Treatment Plant. Technical Poster Competition. The 24th Annual HENAAC Conference, October 7, 2011, Lake Buena Vista, FL.
4. Menezes, G. B., Galvão, T.B. 2009. Gestatistical Assessment of Liquefaction Models: A GIS-based Approach. 10th International Symposium on Environmental Geotechnology and Sustainable Development (ISEG2009); TFH Georg Agricola Bochum, Germany;
5. Galvão, T., Menezes, G. B. 2009. Remote Monitoring of Erosion using GIS and Feature Analyst. 10th International Symposium on Environmental Geotechnology and Sustainable Development (ISEG2009); TFH Georg Agricola Bochum, Germany;
6. Menezes, G.B., Galvão, T.B. 2009. Assessing Environmental Justice Using a GIS-based Methodology. 2008. GIS in Teaching and Research, Georgia Tech, Atlanta, GA.
7. Menezes, G. B., Inyang, H. I. 2007. GIS-Finite Source Contaminant Migration Model (GIS-FiSCOMM). 2007. Hydrology Days. Colorado State University; Fort Collins, Colorado.
8. Menezes, G. B. 2007. Managing Coal Mining Impacts using Geographic Information Systems

(GIS). Workshop on Coal Mining Environmental Issues and their Solutions. Chinese Government - Project 111. Xuzhou, Jiangsu Province, China.

9. Menezes, G. B. Modeling Contaminant Transport using GIS. 2007. International Symposium on Geo-Environmental Engineering for Sustainable Development, China University of Mining and Technology, Xuzhou, Jiangsu Province;

Editorial

1. Menezes, G.B., Moo-Yong, H.K., Galvão, T.C., Khachikian, C.S. (2012). The Role of Environmental Geotechnology in the 21st century. Proceedings of the XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development, Los Angeles, CA, Vol. 1, 1-2.
2. Galvão, T.C., Moo-Yong, H.K., Menezes, G.B., Khachikian, C.S. (2012). Water Sustainability. Proceedings of the XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development, Los Angeles, CA, Vol. 3, 1-2.

Instruction and Related Activities

1. Lecturer, Short Course on Design and Analysis of Solid Waste Landfills and Effluent Impoundments. Abuja, Nigeria. September/2006
2. Lecturer, Short Course on Environmental Monitoring, Geostatistics and GIS Techniques. Abuja, Nigeria. September/2006.
3. Panelist, Live television broadcast on Cross-River State Broadcasting, program focus on the environment. Calabar, Nigeria. September 18, 2006.

Teaching and Student Mentoring

- Taught a range of undergraduate and graduate courses in Civil Engineering, including: Introduction to Higher Education for Engineers, Introduction to Mechanics, Introduction to CAD, Matrix Algebra for Engineers, Statistics and Probability for Engineers, Numerical Methods I and II, Fluid Mechanics I, Introduction to Environmental Engineering, Hydrology I, Wastewater Treatment, Groundwater Contamination and Remediation, Environmental Mass Transfer, and Environmental Transport.
- Deeply engaged in curriculum innovation; served as lead faculty to develop new courses and strengthen the curriculum in Environmental Engineering, numerical methods, and mechanics areas
- Served as Principal Faculty Advisor in the department of Civil Engineering, 2010-2016
- 2014
- Served as Principal Thesis Advisor for 12 graduate students from 2009 to 2019, some of the theses were published (see publications with students as co-authors).
- Mentored 4 post-doctoral research fellows, two of which were hired as CSU faculty.
- Faculty advisor for Cal State LA ASCE Student Chapter 2009-2018

Honors and Awards

2024 Outstanding Professor Award, California State University Los Angeles
2007 International Student of the Year, University of North Carolina at Charlotte
2004 Outstanding Graduate Student, University of North Carolina at Charlotte
2004 Phi Beta Delta, Honor Society for International Scholars

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Affiliations

1. Member, ASEE Commission on Diversity, Equity, and Inclusion (2021 - 2024)
2. Board Members, ASEE Pacific Southwest Chapter (2019 – 2024)
3. Treasurer, California Faculty Association – LA Chapter (2015 – 2021)
4. President, International Society for Environmental Geotechnology (2012 – 2016)
5. American Society for Civil Engineers (2011 – present)
6. American Society for Engineering Education (2009 – present)
7. National Society for Professional Engineers (2006 - present)
8. Global Alliance for Disaster Mitigation (2002 – present)
9. Board, International Society for Environmental Geotechnology (1998 – present)

Workshops and Professional Development Courses

1. CSU Leadership Academy, Spring 2026
2. Inclusive Teaching Program, CETL, Cal State LA, Fall/2021
3. The Alt-Instruction Program, CETL, Cal State LA, Summer/2020
4. 2016 WRPI Annual Conference, Long Beach, CA, April 28-29, 2016.
5. California Engineering Liaison Council, Cabrillo College, Santa Cruz, CA, Spring/2015.
6. California Engineering Liaison Council, UC Irvine, Fall/2015.
7. 2015 GMiS HENAAC Conference, Pasadena, CA.
8. Excellence in Civil Engineering Education (ExCEEd) Teaching Workshop, United States Military Academy, July 24-29, 2011.
9. ABET Faculty Workshop, Embassy Suites Hotel – Santa Ana, CA, February 12th, 2011.
10. 2011 ASCE Regions 8 & 9 Workshop for Student Chapter Leaders (WSCL), Hilton Orange County, Costa Mesa, CA, February 11- 12, 2011
11. Latina and Latino students in STEM, Center for Urban Education, University of Southern California (USC), August 13, 2010.
12. Workshop on Hispanic Males in STEM, Quality Education for Minorities (QEM) Network, Marriott Las Vegas Suites, Las Vegas, NV, March 26-27, 2010.
13. ASCE Workshop For Student Chapter Leaders (WSCL). San Diego Marriott Mission Valley, San Diego, CA 92108, February 26-27, 2010
14. College of Engineering, Computer Science and Technology Faculty Retreat, Almansor Court Banquet Facility & Conference Center, Alhambra, CA, Monday, June 15, 2009.
15. Workshop on Students with Disabilities Practical Tips for Teaching Students with Disability-

related Limitations and Avoiding Discrimination, California State University Los Angeles, May 21, 2009.

16. Enhancing Student Success through a Model Introduction to Engineering Course. May 27-29, 2009, CSU Dominguez Hill, Carson, CA 90747.
17. Workshop on teaching students with disability-related limitations and preventing discrimination, May 19, 2009, CSULA.
18. 2008 Geospatial Conference by The Office of Surface Mining, Reclamation, and Enforcement's (OSMRE), March 24-28, 2008, Renaissance Waverly Hotel, Atlanta, GA.
19. It's All about Teaching, Faculty Center for Teaching and eLearning at UNC Charlotte – October 2006
20. Advanced Hazards in the U.S. (HAZUS) Multi-Hazards Training (Flood & Earthquake) by FEMA. University of Charleston, SC, March 9-11, 2005.
21. Basic Hazards in the U.S. (HAZUS) Multi-Hazards Training. National Emergency Training Center/FEMA/DHS - Emergency Management Institute, Emmitsburg, MD, January 5-8, 2004.
22. Brownfields 2002 – Investing in the Future. Charlotte, NC, November 13-15, 2002.

Other Professional Activities

1. Technical Reviewer of 10+ journals and conferences
2. Associate Editor, ASCE Journal of Energy Engineering (2010-2013)
3. Editorial Board Member, ASCE Journal of Energy Engineering (2007-20090
4. Reviewer, NSF IUSE Program, (03/2020, 03/2021, 03/2022)
5. Reviewer, C-ID course proposals on behalf of the CSU system (2015-present)
6. Reviewer, the NSF Graduate Research Fellowship Program, (2014)
7. Lecturer, Upward Bound Outreach Program, Winter, 2013
8. Chair, XII International Symposium on Environmental Geotechnology, Energy and Global Sustainable Development, Los Angeles, CA, July 27-29, 2012.
9. Reviewer, NSF Geoenvironmental Engineering Panel, December, 2009.
10. Events and Conferences Coordinator, Board of Directors, International Society of Environmental Geotechnology (ISEG), Since June/2008
11. Organizing Committee Member, NC Forum on Water Quality Monitoring (NCForWater 2008), Charlotte, NC, May 14-15, 2008.
12. Served as Moderator, Session D.12: Geohazards and their Mitigation I, International Conference on Infrastructure Development and the Environment, Abuja, Nigeria, September 15, 2006.
13. Organization Committee member of the organization of the International Conference on Infrastructure Development and the Environment, Abuja, Nigeria, 2006.
14. Organization Committee member of the International Conference on Energy, Environment and Disasters (INCEED 2005), Charlotte, USA, 2004.
15. Organization Committee member of the organization of the 5th International Symposium on Env. Geotechnology and Global Sustainable Development, Belo Horizonte, Brazil, 2000.