CURRICULUM VITAE (short)

Kathleen Marie Marsaglia
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EDUCATION

Ph.D. Geology, 1989, University of California, Los Angeles.
Thesis title: The petrology, provenance, and diagenesis of arc-related sands recovered by the Deep Sea Drilling Project on circum-Pacific, Mediterranean, and Caribbean legs (advisor: Dr. Raymond V. Ingersoll)

M.S. Geology, 1982, University of Illinois, Champaign-Urbana.
Thesis title: Petrography, provenance, and diagenesis of the Basal Salina Formation (Lower Eocene) Northwest Peru (advisor: Dr. Albert V. Carozzi)

B.S. Geology, 1979, University of Illinois, Champaign-Urbana.
Thesis title: A statistical and chemical study of inclusion patterns in garnets from the Morar area of Scotland (advisor: Dr. David E. Anderson)

EXPERIENCE

2008 **- Present**	**Professor,** California State University, Northridge **Chair** (May 2016 to August 2019), **Associate Chair** (2015-2016)
2004 - 2008	**Associate Professor,** California State University, Northridge
2000 - 2004	**Assistant Professor,** California State University, Northridge ***Courses taught at CSUN (2000-present; upper level/grad include labs):*** *Graduate:* Sedimentation and Tectonics, Sedimentary Environments, Sedimentary Petrology, Seminars on various topics *Upper Level Undergraduate/Graduate:* Sedimentary Geology, Sedimentology and Stratigraphy, Field Course in Sedimentology and Stratigraphy, Petroleum Geology, Research Design and Methods, *Introductory:* World Ocean, Geology of Planet Earth
1998 - 2000	**Senior Reservoir Geologist/Petrologist,** Westport Technology, Houston International Exploration Projects (e.g., South America, Caspian); Gulf of Mexico Projects (e.g., Oligocene, Pliocene), Petroleum Engineering Projects (e.g., Berea Sandstone, drilling additives, physical properties)
1997 - 1998	**Visiting Scientist** Scripps Institution of Oceanography, University of California, San Diego
1997	**Visiting Scholar**, Dept. of Geological and Environmental Sciences, Stanford University
1996	**Consultant**, GDR TRABAS, French Basin Modeling Consortium
1989 - 1996	**Assistant Professor,** The University of Texas at El Paso ***Courses taught at UTEP (1989-1996):*** *Graduate:* Tectonics and Sedimentation, Sandstone Petrology, Sedimentary Depositional Models *Upper Level Undergraduate/Graduate:* Sedimentation, Sedimentary Petrography, Marine Geology *Introductory:* Physical Geology, Principles of Earth Sciences
1988	**Summer Research Assistant**, Precambrian basement project, UCLA (D. Lowe)

	Compilation of basement age information and digital input for Precambrian craton for global study of continental growth
1987	**Summer Research Assistant**, Precambrian paleontological database, UCLA (Dr. Gonzalo Vidal) Compilation of data base of Precambrian microfossils
1985	**Summer Research Geologist,** Diagenesis Group**,** Exxon Production Research, Houston TX Statistical analysis of porosity trends in sandstones; detailed study on diagenesis and compaction of quartz arenites (S. Paxton)
1984 - 1988	**Geology Teaching Assistant, UCLA** Courses: Sedimentation and Tectonics, Basin Analysis, Field Geology, Stratigraphic and Field Geology, Sedimentary Petrology, Petroleum Geology, Sedimentology
1984 - 1987	**Research Assistant**, DSDP active margin sand provenance, UCLA, (R. Ingersoll)
1982 - 1984	**Exploration Petroleum Geologist,** Amoco Production Co., Houston TX (Gulf of Mexico Mesozoic operations & Tertiary projects)
1981	**Research Assistant**, Carbonate Diagenesis, Univ. of Illinois, (P.A. Sandberg) Collected and analyzed petrographic data used in: Sandberg, P.A., 1983, An oscillating trend in Phanerozoic nonskeletal carbonate mineralogy: *Nature*, v.305, p.19–22.
1980	**Summer Petroleum Geologist,** Amoco Production Co., Houston, TX (Gulf of Mexico, Mesozoic operations)
1979 - 1981	**Geology Teaching Assistant**, University of Illinois, Urbana, IL Sedimentary Petrography, Advanced Sedimentary Petrography
1979	**Summer Geologist,** Atlantic Richfield Co., Denver, CO (Coal exploration: Denver Basin and Ohio)
1978	**Laboratory Assistant,** Isotope Laboratory, Univ. of Illinois, (T. Anderson) Preparation of carbonate veins in DSDP core samples of basalt

PROFESSIONAL AWARDS AND HONORS

Ocean Discovery Lecturer (2024-2025)
AAPG Grover E. Murray Distinguished Educator Award (2019)
Pacific Section SEPM Honorary Membership (2018)
American Chemical Society - Petroleum Research Fund Advisory Board Member (2017 to 2022)
HERS Bryn Mawr Institute Participant funded through CSUN (2016)
CSUN Exceptional Service to Students Award (2015)
Pacific Section AAPG Distinguished Educator Award (2015)
Victor Church Memorial Award, Best Poster 2015 Pacific Section AAPG (co-author)
AAPG Distinguished Lecturer (2012-2013)
CSUN University Outstanding Faculty Award (2010)
Certificate of Merit, Pacific Section of the American Association of Petroleum Geologists for work with AAPG-SEG Student Expo and CSUN IBA team (2010)
Certificate of Merit, Pacific Section of the American Association of Petroleum Geologists for work with AAPG-SEG West Coast Student Expo (2009)
Elected to Fellow of the Geological Society of America (2004)
Excellence of Presentation Award, SEPM Mid-year Meeting, Portland, OR (1991)

PROFESSIONAL MEMBERSHIPS AND SERVICE

American Geophysical Union (member)
American Association of Petroleum Geologists (member)
Director of AAPG-SEG West Coast Student Expo (annual regional geoscience job fair held at CSUN) (2008-2018)

Faculty Advisor for CSUN team participating in AAPG Imperial Barrel Award Competition (2010, 2016)
Faculty Advisor for CSUN AAPG Student Chapter (2010 to 2019)
AAPG Annual Meeting Long Beach Session chair (2012)
Pacific Section AAPG Meeting, Ventura, CA Technical Program Committee (2009)
Citationist for Grover E. Murray Distinguished Educator Award, Dr. Albert Carozzi (2003)
Southwest Section AAPG Meeting, El Paso (1996) Technical Program committee member

Geological Society of America (Fellow)

GSA 2024 Annual Meeting, Session Co-Chair, 72 T187. Tectonics and Sedimentation of the Central Gulf of California, Mexico, and Surrounding Regions: with J. Stock, L. Perez-Cruz, and A. Pina
GSA Fellow Nominator, Dr. J. Doug Yule, CSU Northridge
GSA Fellow Nominator, Dr. John Jaeger, Univ. of Florida
Geological Society of America Section Meeting, Pasedena (2020, canceled due to COVID) Technical Program committee member (Short Courses).
Sloss Award Citationist (Sedimentary Geology Division) Dr. Raymond Ingersoll (2009)
Marine Geology Representative on Joint Technical Program Committee (2005-2007)
Sloss Award Citationist (Sedimentary Geology Division) Dr. George Klein (2001)
Geological Society of America and AAPG Section Meeting, Universal City (2000) Technical Program committee member (Poster chair), and Schlemon Faculty Coordinator for Schlemon Mentor Workshops
Field-trip co-leader. "Precambrian geology of Franklin Mountains and Van Horn area, Trans-Pecos Texas" - Geological Society of America, South-Central Meeting (1993)
Geological Society of America Section Meeting, Albuquerque (1991) Technical Program committee member

Geoscience Society of New Zealand (member)

International Association of Sedimentologists (member)

Proposed session for International Sedimentological Congress, Wellington, NZ (2026)
International Sedimentological Congress, Quebec City, Session co-chair (2018)

SEPM (Society for Sedimentary Geology) (member)

Editor of the Journal of Sedimentary Research (2019-2023)
SEPM Council Member (2019-2023)
Lead Editor, SEPM Special Publication: From the Mountains to the Abyss: The California Borderland as an Archive of Southern California Geologic Evolution.
Associate Editor for Journal of Sedimentary Research (2000 to 2015)
Pettijohn Medal and Shepherd Medal Selection Committees (2013-2015)
SEPM Campus Representative (2000 to present)
SEPM Nominating Committee Member (2010)
Past-President Pacific Section SEPM (2008-2009)
President Pacific Section SEPM (2007-2008)
President-Elect Pacific Section SEPM (2006-2007)
SEPM Awards Committee Member (2001-2002) Pettijohn Medal Selection

Sigma Xi (The Scientific Research Society) (former member)

Treasurer, CSUN Chapter of Sigma Xi (2000 to 2008)
President, UTEP Chapter of Sigma Xi (1995-1996)
Vice-president, UTEP Chapter of Sigma Xi (1994-1995)
Member of Applications Committee, UTEP Chapter of Sigma Xi

PROFESSIONAL ACTIVITIES

International Ocean Discovery Program (IODP)

Ocean Discovery Lecturer (2024-2025)
Science Chair of IODP Science Evaluation Panel (2022-2024)

Member of U.S. Advisory Committee (USAC) for Scientific Ocean Drilling (2019-2021)
Scientific proponent for IODP Proposal 984-Full, Chile Megathrust: N. Bangs, lead
Scientific proponent for IODP Proposal 943-Full, Galicia Margin Drilling: T. Restin, lead
Instructor for week-long course at Texas A & M University for the International Ocean Discovery Program, entitled: Short course on shipboard sedimentology: Data collection, interpretation and integration (invited) Fall 2016; 23 participants including PhD students, Post-docs, and junior faculty from across the US
IODP Science Evaluation Panel Member (2013- 2016)
Drilling Proposal Proponent (co-author), IODP Expedition Hikurangi Subduction Margin 781A-Full, Scheduled FY2018 (Expedition 375)

Ocean Drilling Program and Integrated Ocean Drilling Program

IODP Science Steering and Evaluation Panel (2007-2010)
Readiness Assessment Team member for refurbished *Joides Resolution* (2009)
Member of Ocean Drilling Program Legacy Advisory Committee (OLAC)

Editor / Member of Editorial Board/ Associate Editor

Associate Editor, New Zealand Journal of Geology and Geophysics (2024 - present)
Editor of the Journal of Sedimentary Research (2019-2024)
Editorial Board Member, Journal of Mediterranean Earth Sciences (2009–2021)
Associate Editor Journal of Sedimentary Research (2000 - 2015)

Southern California Earthquake Center (SCEC) Member since 2013

Invited Participation in Workshops and Conferences

GeoPRISMS 2021 Rifts and Ridges Conference (June 2021)
IODP Joides Resolution Assessment Workshop, Denver, CO (September 2019)
GSA Penrose Conference: Climatic controls on continental erosion and sediment transport (CLAST2019), Juneau, Alaska (August 2019)
IODP NEXT Workshop, Denver, CO (May 2019)
SEPM-AAPG Mudstone Diagenesis Research Conference, Santa Fe, NM (October 2016)
Amazon Continental Margin IODP Workshop, Buzios, Brazil (March 2014)
GeoPRISMS Implementation Workshop: Subduction Cycles and Initiation New Zealand focus site (on committee) Wellington, NZ (Apr. 2013)
IODP workshop on "Using ocean drilling studies to unlock the secrets of slow slip events", Gisborne, NZ (Aug. 2011).
AGU Chapman Conference, MARGINS Source-to-Sink (on committee) Oxnard, CA (Jan. 2011)
GeoPRISMS Implementation Workshop: Subduction Cycles and Initiation (Austin, TX) (Jan. 2011)
GeoPRISMS Implementation Workshop: Rift Initiation and Evolution (**S**anta Fe, NM) (Nov. 2010)
Corewall Workshop (University of Minnesota) (2010)
NSF Margins Source-to-Sink Synthesis Workshop (Gisborne, NZ) (2009)
Workshop Participant, Land to Ocean Programme, Landcare Research (Gisborne, NZ) (2006)
NSF Margins source-to-Sink Workshop, Teleconnections between source and sediment dispersal systems (Eureka, CA) (2006)
NSF Margins Source-to-Sink Waipaoa Focus Area Workshop (Wellington and Gisborne, NZ) (2003)
AGU Chapman Conference, Explosive Submarine Volcanism (Dunedin, NZ) (2002)
NSF Margins Workshop (Lake Tahoe, CA) (2000)
Geological Society of America Penrose Conference on Triple Junctions (1994)
Ocean Drilling Program symposium, Results of Drilling in W. Pacific Active Margin Basins (1993)

Reviewed Manuscripts for Various Journals: Basin Research, Earth Science Reviews, Geological Society of America Bulletin, Geology, Geological Society of America Special Publication, Geomorphology, International Association of Sedimentologists Special Publication, Sedimentology, International Geology Review, Marine Geology, New Zealand Journal of Geology and Geophysics,

Sedimentary Geology, SEPM Special Publications, Journal of Sedimentary Research, Ocean Drilling Program Scientific Results, Geoarcheology, Journal of Archaeological Science

Reviewed proposals for: National Science Foundation, American Chemical Society Petroleum Research Fund, National Geographic Society, NERC, NSF Panel Member (various - e.g., 1992 [ILI program] to 2015 [Geopaths])

Reader Panel for the Journal Nature (2008-2010)

Panel member: USC Freeway Seminar Series: Industry vs. Academia: Pros and cons of different earth science career paths (2008)

Textbook Reviewer (Physical Geology: Plummer, et al.) for Wm. C. Brown Publishers. (2003,1992,1991)

SHIPBOARD CRUISE PARTICIPATION

International Ocean Discovery Program (IODP)

Shipboard Scientist, IODP Expedition 385, Guaymas Basin (Sept-Nov, 2019)
Shipboard Scientist, IODP Expedition 351, Philippine Sea (June/July of 2014)

Integrated Ocean Drilling Program (IODP)

Shipboard Scientist (Sedimentologist), IODP Expedition 317, Canterbury Margin (2009/2010)
Readiness Assessment Team Member & Shipboard Scientist, IODP Expedition 320T (2009)

Ocean Drilling Program (ODP) Two months at sea for each scientific cruise

Shipboard Scientist (Sedimentologist), ODP Leg 210, Newfoundland Margin (2003)
Shipboard Scientist (Sedimentologist), ODP Leg 198, Shatsky Rise (2001)
Shipboard Scientist (Sedimentologist), ODP Leg 161, Western Mediterranean (1995)
Shipboard Scientist (Sedimentologist), ODP Leg 149, Iberian Abyssal Plain (1993)
Shipboard Scientist (Sedimentologist), ODP Leg 141, Chile triple junction, (1991)
Shipboard Scientist (Sedimentologist), ODP Leg 126, Izu-Bonin Arc (1989)

Other Cruises

Shipboard Scientist, Monterey Bay Research Institute Cruise, CA Borderlands (2007) D. Clague
Shipboard Scientist, Kilo Moana Cruise, North Island, New Zealand, (2005) S. Kuehl
Shipboard Scientist, Monterey Bay Research Institute Cruise, CA Borderlands (2004) D. Clague
RV Eastward, Duke University, Puerto Rican Trench (1980) O. Pilkey

Shore-based Cruise Participation

International Ocean Discovery Program (IODP) Expeditions 372 (Fall 2017) and 375 (Spring 2018), Hikurangi Margin

Nautilus CA Borderland Cruises (Summer 2017)

PUBLICATIONS *Student co-authors italicized (CSUN in with *).*

Marsaglia, K.M., **Tentori, D., *Franco, A., *Adedeji. A.,* Shorrock, A., Strachan, L.J., **2026** in press, New insights on routing of sand across and along the Hikurangi subduction margin add complexity to the source-to-sink paradigm: Journal of Sedimentary Research.

Piña, A., Stock, J., Lizarralde, D., **Hart, S.,* **Marsaglia, K.M**., Gallegos-Castillo, C., Berndt, C., González-Fernández, A., Mortera-Gutiérrez, C., and Martin-Barajas, A., **2025**, A recently identified mass-transport deposit stack in the Guaymas Basin, Gulf of California (México), and its implication in the basin tectonics: Marine Geology, v. 488, 107592, 16p.

Galerne, C., Cheviet, A., Kahl, W., Wiggers, C., Bach, W., Neumann, F., Buatier, M., Höfig, T.W., Lizarralde, D., Teske, A., Peña-Salinas, M., Karstens, J., Böttner, C., Berndt, C., Aiello, I.W., **Marsaglia, K.M.**, Gontharet, S., Kuhnert, H., Stock, J., Negrete-Aranda, R., Zhang, J., and Kopf, A., **2025**, Sill stacking in subseafloor unconsolidated sediments and control on sustained hydrothermal systems: Evidence from IODP drilling in the Guaymas Basin, Gulf of California: Journal of Geophysical Research: Solid Earth, v. 130, 28 p. e2024JB030354. https://doi.org/10.1029/2024JB030354

Marsaglia, K.M., **Ruttenberg, I.,* Barth, B., **Johnson, K., **Waldman, R.J.,* Ishizuka, O., and Brandl, P.A., **2025**, History of backarc basin initiation from coeval conjugate-margin rearc and forearc successions, Izu-Bonin Arc: *in* Riggs, N., Putirka, K., and Wakabayashi, J., eds, The virtue of fieldwork in volcanology, sedimentology, structural geology, and tectonics, celebrating the career of Cathy Busby, GSA Special Publication 563.

Peng, H., Zheng, Y., Zhou, M., Wang, Y., Ran, L., Jiang, H., Pérez-Cruz, L., Venegas, R., Höfig, T., Teske, A., Lizarralde, D., **Marsaglia, K**., Cui, Y., and Jiang, S., **2025**. Climate change regulated carbonate production and accumulation in the Guaymas Basin over the past ca. 450,000 years. Palaeogeography, Palaeoclimatology, Palaeoecology, 666:112864. https://doi.org/10.1016/j.palaeo.2025.112864

Villaseñor, T., Jaeger, J.M., **Marsaglia, K.M.**, **Nolasco, J., **Bender-Whitaker, C*., **Bailey, C*., **2025**, Grain size matters: Middle to Late Pleistocene dynamics of the sediment-routing system in Canterbury Basin, South Island of New Zealand: Journal of Sedimentary Research: v. 95, p. 445-461. DOI: 10.2110/jsr.2024.048

Martinez, P.,* **Marsaglia, K.M., and Stock, J., **2025**, Petrography of Volcaniclastic Intervals in IODP Expedition 385 cores from Guaymas Basin, Gulf of California, Data Report, IODP Expedition 385 Proceedings.

Aiello, I.W., Höfig, T.W., Riboulleau, A., Teske, A.P., Lizarralde, D.l, Ash, J.L., Bojanova, D.P., Buatier, M.D., Edgcomb, V.P., Galerne, C.Y., Gontharet, S. Heuer, V.B. Jiang, S. Kars, M.A.C., Kim, J., Koornneef, L.M.T., **Marsaglia, K.M.,** and 17 others, **2024**, Mineralization kinetics of biosiliceous sediments in the hot subseafloor: Geochimica et Cosmochimica Acta., v. 380, p. 71-82

Perrotta, S., Barone, M., **Marsaglia, K.M.,** Milliken, K.L., Perrone, V., and Critelli S**., 2024**, Detrital Signatures of Clastic Serpentinite in Tectonically Diverse Settings and Interpretation of an Example from the Northern Apennines, Journal of Sedimentary Research, v. 94, p. 207-230.

Velázquez-Aguilar, M., Perez-Cruz, L., Urrutia-Fucugauchi, J., **Marsaglia, K.M.,** Coria-Monter, E., Monreal-Gómez, M.A., Teske, A., Höfig, T.W., Aldama-Cervantes, A., and Jiang, S., **2024**, Evolution of ocean circulation and water masses in the Guaymas Basin (Gulf of California) during the last 31,000 years revealed by radiolarians and silicoflagellates in IODP Expedition 385 sediment cores: Frontiers in Earth Science, 21p. 12:1301999. doi: 10.3389/feart.2024.1301999

Cheviet, A., Buatier, M., Choulet, F., Galerne, C., Riboulleau, A., Aiello, I., **Marsaglia, K.M.,** and Höfig, T.W., **2023**, Contact metamorphic reactions and fluid-rock interactions related to magmatic sill intrusion in the Guaymas Basin: European Journal of Mineralogy, v. 35, p. 987–1007.

Lizarralde, D., Teske, A., Höfig, T.W., González-Fernández, A., and the IODP Expedition 385 Scientists (includes **K. Marsaglia**), **2023**, Carbon released by sill intrusion into young sediments measured through scientific drilling, Geology, v. 51, p. 329-333. https://doi.org/10.1130/G50665.1

Marsaglia, K.M., and Milliken, K.L, 2023, Technical Note 5: Handbook for Sedimentological Core Description: Shipboard and Shorebased: International Ocean Discovery Program, 83p (plus appendices). https://doi.org/10.14379/iodp.tn.5.2023

Morrone, C., Le Pera, E., **Marsaglia, K.M.,** and De Rosa, R., **2023**, Provenance controls on volcaniclastic beach sand: example from the Aeolian archipelago, Mediterranean Sea, in, Di Capua, et al. (eds.) Volcanic Processes in the Sedimentary Record: When Volcanoes Meet the Environment, Geological Society of London Special Publication, v. 250, 235-268. https://doi.org/10.1144/SP520-2021-91

Neumann, F., Negrete-Aranda, R., Harris, R.N., Contreras, J., Galerne, C.Y., Peña-Salinas, M., Ronald Spelz, R., Teske, A., Lizarralde, D., Höfig, T.W., and Expedition 385 Scientists (includes **Marsaglia**), **2023**, Heat flow and thermal regime in the Guaymas Basin, Gulf of California: Estimates of conductive and advective heat transport: Basin Research, v. 35, p. 1308-1328.

Persad, L.,* and **Marsaglia, K.M., **2023**, Data Report: Detailed lithologic columns for IODP Expedition 385 and DSDP Leg 64 sites in the Guaymas Basin, Gulf of California, Mexico, IODP Proceedings Volume 385, 15p.

Nagakura, T., Schubert, F., Wagner, D., Kallmeyer, J., and IODP Exp 385 Shipboard Scientific Party (includes **K. Marsaglia**), **2022**, Biological Sulfate Reduction in Deep Subseafloor Sediment of Guaymas Basin: Frontiers in Microbiology, v. 13, 12p., Article 845250, doi: 10.3389/fmicb.2022.845250

Sanchez, J.L.,* and **Marsaglia, K.M., **2022**, Preliminary study of the detrital sediments of Lindero Canyon: A stratigraphic unit potentially marking the transition from transrotation to transtension in the Santa Monica Mountains, Southern California**:** In Ingersoll, R.V., and Coffey, K.T., eds., Tectonics, Structure, Stratigraphy and Sedimentation of the San Gabriel Block, Southern California: Pacific Section SEPM (Society for Sedimentary Geology), Book 123, p. 131-149.

Allen, S., **Marsaglia, K.M.,** Morgan, J., and **Franco, A.,* **2021**, Origin and diagenetic priming of a potential slow-slip trigger zone in volcaniclastic deposits flanking a seamount on the subducting plate, Hikurangi margin, New Zealand, New Zealand Journal of Geology and Geophysics, v. 65, p. 179-200. DOI: 10.1080/00288306.2021.1975776

Delaney, C.M., **Couplin, S., Lawrence, J.A.,* **Marsaglia, K.M.,** & Savage, K.L., **2021**, A Preliminary Petrologic and Provenance Analysis of Groundstone Artifacts from the Northern Channel Islands and Coastal Southern Alta California, California Archaeology, v. 13, p. 227-265.

Dobbs, S.C., Riggs, N.R., **Marsaglia, K.M**., González-León, C., **Cecil, R**., Smith, M.E, **2021**, The Permian Monos Formation Stratigraphic and detrital zircon evidence for Permian Cordilleran arc development along the southwest margin of Laurentia northwest Sonora Mexico. Geosphere, v.7: p.520–537. DOI: https://doi.org/10.1130/GES02320.1

Johnson, K., **Marsaglia, K.M.,** Brandl, P.A., *Waldman, R.,* Hamada, M., and Ishizuka, O., **2021** Geosphere, Intraoceanic Arc Evolution Based on a ~1 km-Thick Reararc Succession of Distal Volcaniclastic Lobe Deposits. Geosphere v. 17, p. 1–24, https://doi.org/10.1130/GES02321.1

Marden, M., Holt, K., Ryan, M., **Carrasco, J.,* **Marsaglia, K.M.,** Kirby, M., and Palmer, A., **2021**, Stratigraphy and vegetation signals from an upland, landslide-dammed, paleolake during the Last Glacial-Interglacial Transition, Waipaoa Sedimentary System, Hikurangi Margin, eastern North Island, New Zealand: New Zealand Journal of Geology and Geophysics, v. 65, p. 220-241. DOI: 10.1080/00288306.2021.1947327

Tentori, D*., Amorossi, A., Milli, S., and **Marsaglia, K.M., 2021, Sediment dispersal pathways in the Po coastal plain since Last Glacial Maximum: provenance signals of autogenic, eustatic, and tectonic forcing: Basin Research, v. 33, p. 1407-1428.

Teske, A., Lizarralde, D., Höfig, T.W., and the Expedition 385 Scientists (includes **K. Marsaglia**), **2021**. Guaymas Basin Tectonics and Biosphere. **Proceedings of the International Ocean Discovery Program**, 385: College Station, TX (International Ocean Discovery Program). **https://doi.org/10.14379/iodp.proc.385.2021**

Waldman R.J.,* **Marsaglia, K.M., Hickey-Vargass, R., Arculus, R., Barth, A., Bogus , K., Ishizuka, O., **Johnson K.E.,* Laxton, Li, H., McCarthy, A., Meffre, S., Savov, I., Gene Yogodinski, J., and Gurnis, M., **2021**, Sedimentary Record of Nascent IBM Arc Development: Geological Society of America Bulletin. v. 133, no. 7/8, p. 1421–1440. https://doi.org/10.1130/B35612.1

Morrone, C., Le Pera, E., **Marsaglia, K.M.,** and DeRosa, R., **2020,** Compositional and textural study of modern beach sands in the active volcanic area of Campania region (southern Italy). Sedimentary Geology, v. 396 https://doi.org/10.1016/j.sedgeo.2019.105567

Teske, A., Lizarralde, D., Höfig, T.W., and the Expedition 385 Scientists (incudes **Marsaglia**), **2020**. *Expedition 385 Preliminary Report: Guaymas Basin Tectonics and Biosphere*. International Ocean Discovery Program. https://doi.org/10.14379/iodp.pr.385.2020

Villaseñor, T., **Tentori, D.,* **Marsaglia, K.M.,** and Pinto, L., **2020**, The changing Patagonian landscape: Erosion and sediment transfer paths in northern Patagonia during the Middle and Late Pleistocene: Basin Research, v. 32, p. 1035-1053. DOI: 10.1111/bre.12413

Cecil, R., **Ferrer, M.A*., Riggs, N., **Marsaglia, K**., Kylander-Clark, A., Ducea, M., and Stone, P., **2019**, Early arc development recorded in Permian-Triassic plutons of the northern Mojave Desert

region, California: Geological Society of America Bulletin, v. 131, p. 749-765. https://doi.org/10.1130/B31963.1

Clague, D., Davis., A., **Marsaglia, K**., **2019,** Oligocene and Miocene volcanics in the sedimentary forearc of the outer California borderland: SEPM Special Publication 110: From the Mountains to the Abyss: The California Borderland as an Archive of Southern California Geologic Evolution, **K.M., Marsaglia**, R. Behl and J. Schwalbach, eds., p. 22- 42.

Doran, L.M.,* **Marsaglia, K.M., and Browne, G.H., **2019**, Reconnaissance composition of river sand from northern South Island, New Zealand: a modern analogue for southern Taranaki Basin: New Zealand Journal of Geology and Geophysics, v. 63, p. 35-57. https://doi.org/10.1080/00288306.2019.1618881

Marsaglia, K.M., Behl, R., and Schwalbach, J., eds., **2019**, From the Mountains to the Abyss: The California Borderland as an Archive of Southern California Geologic Evolution. SEPM Special Publication 110, 327 p.

Marsaglia, K.M., **Rodriguez, B.,* Weeraratne, D., Green, G., **Shintaku, N*., and Kohler, M.D., **2019**, Tracing the Arguello Submarine Canyon System from shelf origins to an abyssal sink, in SEPM Special Publication 110: From the Mountains to the Abyss: The California Borderland as an Archive of Southern California Geologic Evolution, **K.M. Marsaglia,** R. Behl and J. Schwalbach, eds., p. 87-101.

Van Grinsven*, M., **Marsaglia, K., and Romans, B., **2019**, Sand Provenance from Source-to-Sink in the Santa Monica Basin, California Borderlands: Significance of Calleguas Creek Input, submitted to SEPM Special Publication 110: From the Mountains to the Abyss: The California Borderland as an Archive of Southern California Geologic Evolution, **K.M. Marsaglia**, R. Behl and J. Schwalbach, eds., p. 102-116.

Tentori, D*., Milli, S., **Marsaglia, K.M., 2018, A source-to-sink compositional model of a present highstand: an example in the low-rank Tiber depositional sequence (Latium Tyrrhenian margin, Italy): Journal of Sedimentary Research, v. 88, p.1238-1259.

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Marsaglia, K.M., and Ingersoll, R.V., 1992, Compositional trends in arc-related, deep-marine sand and sandstone: a reassessment of magmatic-arc provenance: Geological Society of America Bulletin, v. 104, p. 1637-1649.

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GRADUATE STUDENT THESES AND RESEARCH SUPERVISED

Kristen Brown, M.S., Guaymas Basin Project, in progress, CSUN

Samuel Hart, M.S., Guaymas Basin Project, 2025 CSUN
Lithofacies and sand provenance analysis of Site U1551 and comparison to other sites cored on IODP Expedition 385, Guaymas Basin, Mexico

Priscilla Martinez, M.S., 2022 CSUN
Petrography and correlation of volcaniclastic intervals in the Quaternary marine sedimentary succession recovered during IODP Expedition 385 in Guaymas Basin, Gulf of California

Liselle Persad, M.S., 2021 CSUN
Lithostratigraphy and depositional model of the Guaymas Basin, Gulf of California.

Ian Ruttenberg, M.S., 2018 CSUN
A compositional, diagenetic, and statistical analysis of marine forearc and reararc basin volcaniclastic sandstones from upper Oligocene ODP Leg 126 and IODP Expedition 351 cores, Izu-Bonin-Mariana arc system

Claire Bailey, M.S., 2016 CSUN
Provenance study of Miocene to Pliocene sand and sandstone intervals recovered on Expedition 317 in the Canterbury Basin, South Island, New Zealand

Kyle Johnson, M.S., 2016 CSUN
Facies and depositional history of arc-related, deep-marine volcaniclastic rocks in core recovered on International Ocean Discovery Program, Expedition 351, Philippine Sea

Jasmyn Nolasco, M.S., 2015, CSUN
Use of Sedimentary Petrology and Provenance to Resolve Questions Regarding Neogene Fluvial/Lacustrine Drainage Development and Potential Marine Influence in the Southern Rim of the Amazon Basin

Daniel Tentori, M.S., 2014, CSUN
Sand Compositional Changes as a Key for Sequence Stratigraphic Interpretation: The Pleistocene Tiber River Deltaic Succession (Italy)

Linda Doran, M.S., 2013, CSUN
Characterizing modern stream sand to better understand reservoir sandstone provenance in the Taranaki Basin, New Zealand

Carrie Bender, M.S., 2013 CSUN
Thesis title: *Holocene to Pleistocene Sand Provenance in the Canterbury Basin, South Island, New Zealand*

Joe Carrasco, M.S., 2012, CSUN
Stratigraphy and sedimentology of late-Pleistocene lacustrine to alluvial deposits from the Waipaoa River catchment, North Island, New Zealand.

Julie Parra, M.S., 2010, CSUN
Sand provenance of Poverty Shelf, North Island, New Zealand

Kevin Rivera, M.S., 2010, CSUN
Characteristics of Miocene to Pliocene sandy units in the Hikurangi forearc, North Island, New Zealand

Jennifer Pavia, M.S., 2009, CSUN
Petrography and provenance of sand temper within ceramic sherds from Carriacou, Southern Grenadines, West Indies

Jean Rains M.S., 2009, CSUN
The stratigraphic and petrologic record of subduction initiation in the Permian sequence of the El Paso Mountains, Kern County, California

Alissa DeVaughn, M.S, 2005,
Sand and gravel provenance of the Te Arai River, Waipaoa River, and associated Quaternary alluvial terrace deposits, North Island, New Zealand

Kristin Fontilea (Kasen) M.S., 2005,
A petrological and geochemical study of Cretaceous siliceous rocks from the Shatsky Rise

Kyle Gadley, M.S., 2005, CSUN
Petrography and correlation of Cenozoic ash layers recovered on Shatsky Rise ODP Leg 198

Shawn Shapiro, M.S., 2004, CSUN
Sand Provenance of the Bounty Submarine Fan off the Eastern Coast of South Island, New Zealand

Dawn James, M.S., 2003, CSUN
Sand provenance in the Waipaoa River System, North Island, New Zealand

Juan Carlos García y Barrágan, Ph.D., 2003, UT El Paso *(advisor and outside committee member)*
Stratigraphy, sedimentology and tectonic model for the origin of the Late Cretaceous El Tuli Formation in northern Sonora, Mexico

Kelly Latter M.S., 1998, UT El Paso,
Provenance of sand deposited in the Alboran Basin, western Mediterranean Sea

Claudio Bartolini Ph.D., 1998, UT El Paso, *(advisor and outside committee member)*
Stratigraphy, geochronology, geochemistry, and tectonic setting of the Mesozoic Nazas Formation, North-Central Mexico

Jenny Ballard M.S., 1997, UT El Paso, *(advisor and outside committee member)*
The depositional history of the Mundy Breccia and lowermost member of the Lanoria Formation

Martin Guerrero-Suastegui M.S., 1997, UT El Paso, *(advisor and outside committee member)*
Depositional history and sedimentary petrology of the Huetamo Sequence, Southwestern Mexico

Michelle A. Pittenger (Seward) M.S., 1991, UT El Paso,
Sedimentation and tectonics of Proterozoic metasedimentary rocks exposed in the Franklin Mountains, El Paso County, Texas

CSUN MS Research Advisees (did not finish program)
Alison Franco (published results in 2026)
Adewale Adedeji (published results in 2026)
David Carson (published results in 2015, 2017)
Kimberly Kramer (published results in 2016)

CSUN MS Thesis Committee Member
John Lawrence (Anthropology), Eric Macdonald, Teodor Sotirov, Anita Regmi, Jordan Kear

Other Graduate Student Research Advisees/ Committee Member (most have co-authored publications)
UCLA (Archaeology)
Carley Pope, PhD Candidate
Northern Arizona University

Stephen Dobbs (MS 2017)
Universita'Degli Studi Della Calabria
Consuele Morrone (MS 2013 and PhD)
Primo Scalzo (MS 2013)
Mirko Barrone (PhD)
Sonia Perotta (PhD)
Università di Roma SAPIEZNA
Daniel Tentori (PhD)

High School Student Research Advisee
Loyola High School
Paolo Sanchez (summer researcher on NZ project – current Caltech PhD student)

CSUN Undergraduate Student Research Supervised
Miguel Zamora Tamayo, CSUN, 2018 Research Topic: *Sand provenance along the Hikurangi Margin, New Zealand*
Kelly Lourcey, CSUN, 2017 Research Topic: *Sand Provenance Study of Hueneme-Mugu Fan in Santa Monica Basin, California Borderlands*
Brenda Rodriguez, CSUN, 2016 Research Topic: *Arguello Submarine Canyon* (co-advisor)
Ryan Waldman, CSUN, 2016 B.S. Honors Thesis topic: Sedimentary Record of Subduction Inception at IODP Site U1438 *(Ryan received Outstanding Graduating Senior awards from both the College of Science and Mathematics and the Dept. of geological Sciences)*
John Lawrence, CSUN, 2015 B.S. Thesis topic: Caribbean Sherd Temper Provenance *(R.V. Ingersoll outstanding undergraduate thesis award from PS-SEPM – awarded 2nd place)*
Shawna Couplin, CSUN, B.S. Thesis topic: Provenance of Chumash Stone Implements
Matthew Van Grinsven, CSUN, 2012-2013 B.S., Thesis topic: Cayeguas Creek Sand Provenance *(Victor Church Memorial Award, Best Poster 2015 Pacific Section AAPG)*
Jasmyn Nolasco, CSUN, 2012-2013 NSF REU Research topic: Provenance of Sediment Drifts at ODP Site 1119 *(2013 John D. Cooper Award, PSAAPG, for best Undergraduate Poster, Monterey, CA)*
Felix Ancheta, CSUN, B.S. Thesis topic: Mesquite Schist, El Paso Mountains, CA
Carrie Bender, CSUN, B.S. Thesis topic: A mafic gravel of tectonic significance in North Island, NZ
Jennifer Carstensen, CSUN, B.S. Thesis topic: Provenance of temper in Caribbean pottery
Daniel Jauregui, CSUN, B.S. Thesis topic: Tephra recycling in the Waipaoa Sedimentary System, North Island, NZ
Joshua Robinson, CSUN, B.S., Thesis topic: Triple-junction related sediment in Northern California
Jessica Dillon, Daniel Ortiz, Noelia Rodriguez, Noemi Sanchez (non-thesis research)

Other Student Research Advisees (most have co-authored publications)
UT El Paso
John Martin Seeley, Ivan Padilla, Karl Rimkus, Xavier Torrez, Veronica Cline, Ronda Hyatt, Patricia Borrego

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