

CURRICULUM VITAE

Liviu Giosan

Geoscientist

Associate Scientist w/ Tenure
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Education

2001	Ph.D. Marine and Atmospheric Sciences <i>Advisors: Roger Flood & Henry Bokuniewicz</i>	SUNY Stony Brook
1995	M.S. Marine Environmental Sciences <i>Advisor: Henry Bokuniewicz</i>	SUNY Stony Brook
1993	Diploma (Hons) Geological Engineering	Bucharest University

Professional Experience

2013-	Associate Scientist w/ Tenure	WHOI
2007-2013	Associate Scientist	WHOI
2003-2007	Assistant Scientist	WHOI
2003	Postdoctoral Investigator	WHOI
2001-2003	CICOR Postdoctoral Scholar <i>Sponsors: Lloyd Keigwin & Bill Curry</i>	WHOI

Professional Societies

American Geophysical Union; Geological Society of America; European Geosciences Union

Research Interests

Paleoceanography/Paleoclimatology: *Sources, transport, transformations, and climatic significance of clastic sediments in marine, fluvial, and other aquatic environments*

Morphodynamics and Sedimentation: *Rivers, deltas and supply-dominated coasts*

Human-climate-landscape interactions: *Role of natural phenomena on development and collapse of civilizations based on reconstructions from marine/continental deposits*

Honors

2006-2007	Honorary Research Fellow, University of Aberdeen
2001	CICOR Postdoctoral Scholar, WHOI
1993	NAFSA Baltic and East European Program Award

Shipboard and Field Experience

2014	Stratigraphic Correlator, IODP Leg 353, Bay of Bengal
2013	Physical properties specialist, IODP Leg 346, Sea of Japan
2012	Co-lead Scientist, Yukon delta
2010 - 2012	Co-lead Scientist, Ebro delta
2008 - 2010	Co-lead Scientist, Mackenzie delta
2007 - 2009	Co-lead Scientist, Indus shelf (<i>R/V Pelagia</i>)
2007	Oil Industry Consultant, Indian Ocean
2006	Chief Scientist, Black Sea infilled estuaries
2006	Sedimentologist, India National Gas Hydrate Drilling (NGHP01) Expedition
2004 - 2009	Co-chief Scientist, Indus delta
2004	Co-chief Scientist, Panama Basin (<i>R/V Knorr 176</i>)
2003 - 2011	Chief Scientist, Danube delta
2002	Lead investigator, New England continental slope (<i>R/V Oceanus</i>)
2002	Physical properties specialist, ODP Leg 202, SE Pacific
1998	Physical properties specialist, ODP Leg 172, N Atlantic

Professional Activities

Synergistics

2012-2013 co-led IODP proposal leading to Expedition 353 (Bay of Bengal) and led APL proposal leading to Expedition 359 (Arabian Sea)

Outreach and Communication

US Advisory Committee for Scientific Ocean Drilling 2015-2017

Mississippi Delta Expert Panel on Diversions Planning and Implementation member;
Mississippi Delta Science & Engineering Special Team member – advisory body of National Audubon Society, the Environmental Defense Fund, and the National Wildlife Federation.

Co-author of white paper on “Dynamics and Vulnerability of Deltas” (for GWSP/LOICZ)

Publications on the the Indus, Black Sea, and the Danube highlighted in print/online in *Science*, *Nature*, *National Geographic*, *Discovery*, *NY Times*, *LA Times*, *Yahoo News*, *Google News*, *Voice of America*, *Canadian Public Radio*, media in France, Greece, India, Japan, Romania, UK.

Editorship and Reviews

2013-	Editorial Board member for <i>Frontiers in Earth Sciences</i>
2013-	Editorial Board member for <i>Anthropocene</i>
2012	Lead editor, AGU monograph on “Climate, Landscapes and Civilizations”
2005	Lead editor, SEPM book on “River Deltas: Concepts, Models, Case Studies”
1998 -	Reviewer and panelist: National Science Foundation, NERC-UK, Israel Science Foundation, Dutch Science Foundation, NSERC-Canada, French and Romanian funding agencies
1998 -	Reviewer: Nature Scientific Reports; Geology; Geophysical Research Letters; Journal of Geophysical; GSA Bulletin; Quaternary Science Reviews; Earth Planetary Science Letters; Earth Surface Processes and Landforms; Marine Geology;

Geomorphology; Sedimentary Geology; Basin Research; Journal of Sedimentary Research; Deep Sea Research; Estuarine, Coastal and Shelf Science; Estuaries and Coasts; Quaternary Research; Marine Geophysical Researches; Marine Pollution Bulletin; (I)ODP publications

Invited Conference Speaker

AGU Fall Meeting Session on fluvial fluxes (2013): *Black Sea Anthropocene*

7th International Conference on Asian Marine Geology, Goa, India (2011): *KEYNOTE: Aridification of India during Holocene.*

DeltaNet Conference on the Impacts of Global Change on Deltas, Estuaries & Coastal Lagoons, Romania, 2011: *A new look at the history of Danube delta*

DeltaNet Conference on the Impacts of Global Change on Deltas, Estuaries & Coastal Lagoons, Spain, 2011: *Are deltas human constructs?*

18th International Sedimentological Congress, Argentina (2010): *Impacts on Old World deltas.*

AGU Fall Meeting Session on deltas (2009): *The Great Diversion: Danube delta in Anthropocene*

Estuarine Research Federation Annual Meeting (2009): *Danube delta under human control.*

Estuarine Research Federation Annual Meeting (2007): *Role of Abrupt Climate Change in River Delta Development*

Ocean Sciences Meeting (2008): *Danube delta: a biosphere reserve at risk.*

IGCP Conference on Asian Deltas, Vietnam (2005): *Development of the Indus Mega-Delta*

American Association of Petroleum Geologists Meeting, Dallas (2004): *Large-scale morphodynamics of deltas*

(Co)-organizer/(Co)-convener/(Co)-chair/Invited

International IGCP Geoscience Program 581 “Evolution of Asian River Systems”, 2009-2013

AGU Fall Meeting session on Monsoon and Past Civilization, 2012

IODP Building US Strategies, Denver, 2012

AGU Chapman Conference on Climates, Past Landscapes, and Civilizations, 2011

Scientific Drilling in the Indian Ocean, Goa, 2011

EGU Annual Meeting session on Coasts, Estuaries and Deltas, 2011

Deltas2010 – Wetland Foundation Conference, Washington, DC. 2010

AGU Fall Meeting session on Response of Sedimentary Systems to Rapid Climate and Sea Level Changes and its Impacts on Humans, 2009

INVEST, IODP Conference, Bremen, 2009

AGU Chapman Conference on Physics of Wave-Mud Interaction, 2008

Thematic Session on “Tideless Coasts: Sediment Processes and Engineering” at Coastal Sediments '07, ASCE, New Orleans, April 2007

JOI workshop on Black Sea drilling, 2003

AGU Fall Meeting session on “Effects of Sediment Dynamics on Marine Paleorecords, 2003

GSA Annual Meeting Topical Session “Deltas: Old and New”, 2002
Conference on U.S. Participation (CUSP) in IODP, Washington, D.C., 2002
RIOMAR (River-dominated Ocean Margins) workshop, New Orleans, 2001

Invited talks

Harvard University, Lamont-Doherty Earth Observatory, Rutgers University, University of South Carolina, University of Chicago, University of New Mexico, Binghamton University, Southampton University (UK), Tokyo University, universities/institutes in India, Pakistan, Germany, and Romania.

Education

Undergraduate: 10 summer and guest undergraduate students since 2006.

Doctoral Committee: Camilo Ponton, PhD, 2012 (now postdoc UCLA)

Jaap Nienhuis, PhD (in progress)

Courses:

2014 Marine Geodynamics Seminar - ANTHROPOCENE

12.710 MIT/WHOI Joint Program: Introduction to Marine Geology & Geophysics

2011 Marine Geodynamics Seminar - RIVERS: The Cascading Limb of the Geologic Cycle

Postdoctoral Research Co-Advisor: G. Soulet, 2013-

N. Ranasinghe, 2011-2012 (now at Sri Lanka Geol. Survey)

A. Ashton, 2005-2007 (now Associate Scientist, WHOI)

Books

Giosan, L., Fuller, D., Nicoll, K., Rowan, F., Clift, P., (Eds.), 2012, Climate, landscapes and civilizations, American Geophysical Union Monograph (in press).

Giosan, L. and Bhattacharya, J., (Eds.), 2005, River Deltas: Concepts, Models, Case Studies, SEPM Special Publication, 83, 520 p

Publications

1. Ferrier, K.L., Mitrovica, J.X. **Giosan, L.**, Clift, P.D., 2015, Sea-level responses to erosion and deposition of sediment in the Indus River basin and the Arabian Sea. *Earth and Planetary Science Letters*, 416: 12-20.
2. Ali, S., Hathorne, E., Frank, M., Gebregiorgis, D., Stattegger, K., Stumpf, R., Kutterolf, S., Johnson, J.E., **Giosan, L.**, 2015, South Asian monsoon history over the past 60 kyr recorded by radiogenic isotopes and clay mineral assemblages in the Andaman Sea. *Geochemistry, Geophysics, Geosystems*, 16:1525-2027.
3. **Giosan, L.**, Syvitski, J.P.M., Constantinescu, S., Day, J., 2014, Protect the World's Deltas, *Nature*, 516: 31-33.
4. Filip, F. and **Giosan, L.**, 2014, Evolution of Chilia lobes of the Danube delta: Reorganization of deltaic processes under cultural pressures, *Anthropocene*, online ahead of print

5. Peterse, F. et al. (including **L. Giosan**), 2014, Branched glycerol dialkyl glycerol tetraethers in Arctic lake sediments: Sources and implications for paleothermometry at high latitudes, *Journal of Geophysical Research: Biogeosciences* 119 (8), 1738-1754.
6. Clift, P.D. and **Giosan, L.**, 2014, Sediment Fluxes and Buffering in the Post-Glacial Indus Basin, *Basin Research*, 26 (3), 369-386
7. Clift, P.D., **Giosan, L.** et al., 2014, Sediment storage and reworking on the shelf and in the canyon of the Indus fan system since the Last Glacial Maximum, *Basin Research*, 26 (1), 183-202
8. Filipova-Marinova, M. et al. (including **L. Giosan**), 2014, Varna Lake (north-eastern Bulgaria): vegetation history and human impact during the last 8000 years, *Grana*, 1-3.
9. Filipova-Marinova, M. et al. (including **L. Giosan**), 2014, Vegetation development in the central part of the Bulgarian Black Sea coast during the last 13 000 years, *Grana*, 1-3.
10. Nace, T.E. et al. (including **L. Giosan**), 2014, The role of North Brazil Current transport in the paleoclimate of the Brazilian Nordeste margin and paleoceanography of the western tropical Atlantic during the late Quaternary, *Palaeogeography, Palaeoclimatology, Palaeoecology*, in press.
11. Syvitski, J. et al. (including **L. Giosan**), 2014, Anthropocene metamorphosis of the Indus Delta and lower floodplain, *Anthropocene*, 3: 24-35.
12. Xing, F. et al. (including **L. Giosan**), 2014, Fluvial response to climate variations and anthropogenic perturbations for the Ebro River, Spain in the last 4000 years, *Science of The Total Environment* 473, 20-31
13. Abel-Flores, J. et al., (including **Giosan L.**), 2014, Sedimentation rates from calcareous nannofossil and planktonic foraminifera biostratigraphy in the Andaman Sea, northern Bay of Bengal, and Eastern Arabian Sea, *Jour. Marine Petrol. Geol.*, in press.
14. Phillips, S., J. Johnson, **L. Giosan**, K. Rose, 2014, Monsoon-influenced variation in productivity and lithogenic sediment flux since 110 ka in the offshore Mahanadi Basin, northern Bay of Bengal, *Jour. Marine Petrol. Geol.*, in press
15. Phillips, S. et al. (including **Giosan L.**), 2014, Long-timescale variation in bulk and clay mineral composition of Indian continental margin sediments in the Bay of Bengal, Arabian Sea, and Andaman Sea, *Jour. Marine Petrol. Geol.*, in press
16. Cawthorn, J. Johnson, **L. Giosan**, J.A. Flores, K. Rose, 2014, A late Miocene-early Pliocene biogenic silica crash in the Andaman Sea and Bay of Bengal, *Jour. Marine Petrol. Geol.*, in press.
17. Teichert, B., J. Johnson, **L. Giosan**, K. Rose, 2014, Composition and Origin of Authigenic Carbonates in the Krishna-Godavari and Mahanadi Basins, eastern Continental Margin of India, *Jour. Marine Petrol. Geol.*, in press
18. Johnson, J., S. Phillips, E. Miranda, **L. Giosan**, K. Rose, 2014, Influence of total organic carbon deposition on the inventory of gas hydrate in the Indian continental margins, *Jour. Marine Petrol. Geol.*, in press
19. Rose, K., J. Johnson, M. Torres, E. Solomon, P. Long, W. Winters, M. Kastner, H. Schaefer, **L. Giosan**, 2014, Anomalous porosity preservation and preferential accumulation of gas hydrate in the Andaman Accretionary Wedge, NGHP-01 Site 17A, *Jour. Marine Petrol. Geol.*, in press

20. **Giosan, L.**, Constantinescu, S., Filip, F., Bing, D., 2013, INVITED RESEARCH ARTICLE: Maintenance of large deltas through channelization: Nature vs. humans in the Danube Delta, *Anthropocene*, 1: 35-45.
21. Nienhuis, J., Ashton, A., Roos, P., Hulscher, S. and **Giosan, L.**, 2013, Wave reworking of abandoned deltas, *Geophys. Res. Lett.*, available online pre-publication.
22. **Giosan L.** and Freeman, A., 2013, How Deltas Work: A Brief Look at the Mississippi River Delta in a Global Context, in Day, J. et al. *Perspectives on the Restoration of the Mississippi Delta: The Once and Future Delta*, Springer, in press.
23. Bentley, S., Freeman, A.M., Willson, C.S., Cable, J. and **Giosan, L.**, 2013, Using what we have: optimizing sediment management in Mississippi River Delta restoration to improve the economic viability of the nation, in Day, J. et al. *Perspectives on the Restoration of the Mississippi Delta: The Once and Future Delta*, Springer, in press.
24. Coolen, M., Orsi, W.D., Balkema, C., Quince, C., Harris K., Sylva, S.P., Filipova-Marinoва, M., **Giosan, L.**, 2013, Evolution of the plankton paleome in the Black Sea from the Deglacial to Anthropocene, *Proceedings of the National Academy of Science*, 110, 21.
25. Ashton, A., Hutton, E., Kettner, A.J., Xing, F., Kallumadika, J., Neinhuis, J., **Giosan, L.**, 2013, Progress in Coupling Models of Coastline and Fluvial Dynamics, *Computers & Geosciences*, 53, 21-29.
26. Filipova-Marinoва, M., Pavlov, D., Vergiev, S., Slavchev, V., **Giosan, L.**, 2013, Paleoecology and geoarchaeology of Varna Lake, Northeastern Bulgaria, *Comptes Rendus de l'Academie bulgare des Sciences*, 66.
27. Filipova-Marinoва, M., Pavlov, D., Coolen, M., **Giosan, L.**, 2013, First high resolution marinopalynological stratigraphy of Late Quaternary sediments from the central part of the Bulgarian Black Sea area, *Quaternary International*, 239.
28. **Giosan, L.**; Clift, PD; Macklin, MG; Fuller, DQ; (2013) Sarasvati II. *Current Science* , 105 (7) 888 – 889
29. **Giosan, L.** (2013), Comment on “Landscape change and archaeological settlements in the lower Danube valley and delta from early Neolithic to Chalcolithic time: A review” by Jean-Michel Carozza, Christian Micu, Florian Mihail, Laurent Carozza (*Quaternary International* 261, 21–31), *Quaternary International*, 296.
30. **Giosan, L.**; Clift, PD; Macklin, MG; Fuller, DQ; (2013) Sarasvati. *Current Science* , 104 (3) 285 - 285.
31. **Giosan, L.**, Coolen, M.J.L., Kaplan, J.O., Constantinescu, S., Filip, F., Filipova-Marinoва, M., Kettner, J. and N. Thom (2012) Early anthropogenic transformation of the Danube-Black Sea system. *Sci Reports*, 2: 10.1038/srep00582
32. Ashton, A., Hutton, E., Kettner, A.J., Xing, F., Kallumadikal, J., Neinhuis, J., **Giosan, L.**, 2012, Progress in Coupling Models of Coastline and Fluvial Dynamics, *Computers & Geosciences*, 53: 48-57.
33. Limmer, D.R., Henstock, T.J., **Giosan, L.**, Ponton, C., Tabrez, A.R., Macdonald, D.I.M., Clift, P.D., 2012. Impacts of sediment supply and local tectonics on clinof orm distribution: the seismic stratigraphy of the mid Pleistocene-Holocene Indus Shelf. *Marine Geophysical Research*, 33: 251-267.

34. **Giosan, L.**, Clift, PD; Macklin, MG; Fuller, DQ; Constantinescu, S; Durcan, JA; Stevens, T; Duller, GAT; Tabrez, AR; Gangal, K; Adhikari, R; Alizai, A; Filip, F; VanLaningham, S; Syvitski, JPM. Fluvial landscapes of the Harappan civilization. Proceedings of the National Academy of Sciences of the United States of America, 109, pp. E1688-E169, 2012.
35. Alizai, A., Hillier, S., Clift, P.D., **Giosan, L.**, Hurst, A., VanLaningham, S., Macklin, M., 2012. Clay mineral variations in Holocene terrestrial sediments from the Indus Basin. *Quaternary Research*, 77: 368-381.
36. Clift, P. D., A. Carter, **L. Giosan**, J. Durcan, A. R. Tabrez, A. Alizai, S. VanLaningham, G. A. T. Duller, M. G. Macklin, D. Q. Fuller, and M. Danish. 2012, U-Pb zircon dating evidence for a Pleistocene Sarasvati River and capture of the Yamuna River . *Geology*, 40: 207-210.
37. Ponton, C., **L. Giosan**, T. I. Eglinton, D. Fuller, J. E. Johnson, P. Kumar, and T. S. Collet. Holocene Aridification of India. *Geophysical Research Letters*, 39, p. L03704, 2012.
38. Limmer, D. R., P. Böning, **L. Giosan**, C. Ponton, C. Köhler, M. J. Cooper, A. R. Tabrez, and P. Clift . 2012, Geochemical Record of Holocene to Recent Sedimentation on the Western Indus continental shelf, Arabian Sea. *Geochemistry, Geophysics, Geosystems*, 13, p. Q01008.
39. Mississippi Delta Science and Engineering Special Team (including **Giosan, L.**), 2012, Answering 10 Fundamental Questions about the Mississippi Delta, National Audubon Society, the Environmental Defense Fund, and the National Wildlife Federation.
40. Alizai, A., Clift, P. D., **Giosan, L.**, VanLaningham, S., Hinton, R., Tabrez, A. R., Danish, M. 2011, Pb isotopic variability in the modern-Pleistocene Indus River system measured by ion microprobe in detrital K-feldspar grains. *Geochimica et Cosmochimica Acta*, 75: 4771-4795.
41. Ashton, AD and **Giosan, L.**, Wave-angle control of delta evolution. *Geophysical Research Letters*, 38, p. L13405, 2011
42. McCartney-Castle, K., Voulgaris, G., Kettner, A.J., and **Giosan, L.**, 2012, Simulating fluvial fluxes in the Danube watershed: The Little Ice Age versus modern day, *Holocene*, 22: 91-105.
43. Syvitski, JPM, Kettner, AJ, Overeem, I, Hutton, EWH, Hannon, MT, Brakenridge, GR, Day, J, Vörösmarty, C, Saito, Y, **Giosan, L.**, & Nicholls, RJ. 2009. Sinking deltas due to human activities. *Nature Geoscience*, 2: 681 - 686.
44. Ashton, A. and **Giosan, L.**, 2011, Wave-angle control of delta evolution, *Geophys. Res. Lett.*, doi:10.1029/2011GL047630.
45. Filipova-Marinova, M., **Giosan, L.**, et al., 2011, Palaeoecology of Submerged Prehistoric Settlements in Sozopol Harbour, Bulgaria, in Benjamin, J. et al. (Eds.), *Submerged Prehistory*, Oxbow Books, UK.
46. Constantinescu, S., **Giosan, L.**, Vespremeanu-Stroe, A., 2010, A cartographical perspective to the engineering works at the Sulina mouth, Danube Delta, *Acta Geodaetica et Geophysica Hungarica*, 45: 71-79.
47. **Giosan, L.**, F. Filip, S. Constantinescu, 2009, Was the Black Sea catastrophically flooded in the early Holocene? *Quaternary Science Reviews*, 28: 1-6.
48. Coolen, M. J. L., J. P. Saenz, **L. Giosan**, N. Y. Trowbridge, P. Dimitrov, D. Dimitrov, T. I. Eglinton. 2009, DNA and lipid molecular stratigraphic records of haptophyte succession in the Black Sea during the Holocene. *Earth and Planetary Science Letters*, 284, 610-621.

49. Syvitski, J., Overeem, I. (Eds.), 2009, Dynamics and Vulnerability of Deltas, LOICZ Reports and Studies No. 35
50. Drenzek, N.J., K.A. Hughen, D.B. Montluçon, J.R. Southon, G.M. dos Santos, E.R. M. Druffel, **L. Giosan**, and T.I. Eglinton, 2008, A New Look at Old Carbon in Active Margin Sediments, *Geology*, 37: 239-242.
51. McHugh, M.G.C., D. Gurung, **L. Giosan**, W.B.F. Ryan, Y. Mart, U. Sancar, L. Burckle, M.N. Çagatay, 2008, The last reconnection of the Marmara Sea (Turkey) to the World Ocean: A paleoceanographic and paleoclimatic perspective, *Marine Geology*, 255.
52. Maddox, J., J.B. Anderson, K.T. Milliken, A.B. Rodriguez, T.M. Dellapenna, **L. Giosan**, 2008, The Holocene evolution of the Matagorda and Lavaca estuary complex, Texas, USA, in J.B. Anderson and A.B. Rodriguez (eds.), *GSA Special Paper 443: Response of Upper Gulf Coast Estuaries to Holocene Climate Change and Sea-Level Rise*.
53. Vespremeanu-Stroe, A., Constantinescu, Ş., Tătui, F., **Giosan, L.**, 2007. Multi-decadal evolution and North Atlantic Oscillation influences on the dynamics of the Danube delta shoreline, *Journal of Coastal Research*, Special Issue 50, 233-238.
54. Ashton, A.D. and **Giosan, L.**, 2007. Investigating plan-view asymmetry in wave-influenced deltas. 5th IAHR Symposium on River, Coastal, and Estuarine Morphodynamics. International Association of Hydraulic Researchers, Enschede, Netherlands, p. 681-688.
55. **Giosan, L.** (2007), Morphodynamic Feedbacks on Deltaic Coasts: Lessons from the Wave-Dominated Danube Delta, in Coastal Sediments '07, edited by N. C. Kraus and J. D. Rosati, pp. 828-841, New Orleans, LA doi: 10.1061/40926(239)63.
56. **Giosan, L.**, J.P. Donnelly, E. Vespremeanu, S. Constantinescu, F. Filip, I. Ovejanu, A. Vespremeanu-Stroe, G.A.T. Duller, 2006, Young Danube Delta Documents Stable Black Sea Level Since Middle Holocene: Morphodynamic, Paleogeographic and Archaeological Implications, *Geology*, 34, 9, 757-760.
57. **Giosan, L.** and Bhattacharya, J., (Eds.), 2005, BOOK: *River Deltas: Concepts, Models, Case Studies*, SEPM Special Publication, 83, 520 p.
58. **Giosan, L.** and Bhattacharya, J., 2005, New Directions in River Delta Studies, in Giosan and Bhattacharya (Eds.), *River Deltas: Concepts, Models, Case Studies*, SEPM Special Publication, 83, 3-12.
59. **Giosan, L.**, E. Vespremeanu, J.P. Donnelly, J. Bhattacharya, and F. Buonaiuto, 2005, River Delta Morphodynamics: Examples From the Danube Delta, in Giosan and Bhattacharya (Eds.), *River Deltas: Concepts, Models, Case Studies*, SEPM Special Publication, 83, p. 391-410.
60. Siddall, M., Pratt, L., Helfrich, K., **Giosan, L.**, 2004, Testing the physical oceanographic implications of the suggested sudden Black Sea in-fill 8400 years ago, *Paleoceanography*, 19, 1.
61. Bhattacharya J. and **Giosan, L.**, 2003. Wave-influenced deltas: geomorphological implications for facies reconstruction, *Sedimentology*, 50, 1.
62. Mix et al. (including **Giosan, L.**), 2003, Initial Results of ODP Leg 202 - Southeast Pacific Paleoceanographic Transects, *Proc. Ocean Drilling Program, Initial Results*, 202.
63. **Giosan, L.**, Flood, R.D., Aller, R.C., 2002a. Paleoceanographic significance of sediment color on western North Atlantic drifts: I. Origin of color, *Marine Geology*, 189, 1-2.

64. **Giosan, L.**, Flood, R.D., Grützner, J., Mudie, P., 2002b. Paleocyanographic significance of sediment color on western North Atlantic drifts: II. Plio-Pleistocene sedimentation, *Marine Geology*, 189, 1-2.
65. Flood, R.D. and **Giosan, L.**, 2002, Migration history of an abyssal mudwave on the Blake-Bahama Outer Ridge, *Marine Geology*, 192, 1-3.
66. Grützner, J., **Giosan, L.**, et al., 2002. Astronomical age models for Pleistocene drift sediments from the western North Atlantic (ODP Sites 1055 to 1063), *Marine Geology*, 189, 1-2.
67. **Giosan, L.**, Flood, R.D., Grützner, J., Franz, S.-O., Poli, M.-S., Hagen, S., 2001. High resolution carbonate content estimated from diffuse spectral reflectance for ODP leg 172 sites, in Keigwin et al., *Proceedings of the Ocean Drilling Program, Scientific Results*, 172.
68. **Giosan, L.**, Bokuniewicz, H.J., Panin, N., Postolache, I., 1999. Longshore sediment transport pattern along the Romanian Danube delta coast, *Journal of Coastal Research*, 15: (4): 859-871.
69. **Giosan, L.**, 1998. Long term sediment dynamics on Danube delta coast, 1998, in Dronkers, J. and M.B.A.M.Scheffers (eds.), *Physics of estuaries and coastal seas*: 365-376
70. Keigwin et al. (including **Giosan, L.**), 1998, Initial Results of ODP Leg 172 - Blake-Bahamas Outer Ridge, Bermuda Rise, *Proc. Ocean Drilling Program, Initial Results*, 172.
71. **Giosan, L.**, Bokuniewicz, H.J., Panin, N., Postolache, I., 1997. Sediment transport along the Danube delta coast, 1998, *Geo-Eco-Marina*, 2: 11-24

Invited Papers/Reviews/Overviews/Interviews

1. Schultz, C., 2013: Eos Interview with **L. Giosan** on Climate, Landscapes and Civilizations, *Eos*, 94, 40, 355-356.
2. Clift, P.D, Flad, R., Fuller, D.Q., **Giosan, L.**, 2011, Studying the relationship between past people and their environments, *Eos*.
3. Donnelly, J.P. and **L. Giosan**, 2008, Tempestuous highs and lows in the Gulf of Mexico, *Geology*, 36, 751–752.
4. Day, J. and **Giosan, L.**, 2008, Survive or subside? *Nature Geoscience*, 1.
5. **Giosan, L.**, 2007, Book Review: V. Yanko-Hombach, A.S. Gilbert, N. Panin, P.M. Dolukhanov, *The Black Sea Flood Question: Changes in Coastline, Climate and Human Settlement*, 2007, Springer Berlin, 978-1-4020-4774-9, 971pp., 246 illus., *Quaternary Science Reviews*, 26: 1897-1900
6. **Giosan, L.** and Goodbred, S., 2006, Deltaic Environments, in *Encyclopedia of Quaternary Sciences*, Elsevier.
7. **Giosan, L.** and Flood, R., 2004, Drilling the Aegean-Marmara-Black Sea Corridor to Investigate Extreme Environmental Changes, *Eos*.