

LIVIU GIOSAN

Marine Geologist
Associate Scientist
Department of Geology and Geophysics
Woods Hole Oceanographic Institution
Woods Hole, Ma. 02543

Phone: (508) 289-2257
E-mail: lgiosan@whoi.edu

Education

Bucharest University	Geology	Diploma	1993
SUNY Stony Brook	Marine Environmental Sciences Advisor: H.J. Bokuniewicz	M.S.	1995
SUNY Stony Brook	Marine and Atmospheric Sciences Advisors: R.D. Flood and H.J. Bokuniewicz	PhD	2001
WHOI	Marine Geology/Paleoceanography Sponsors: L.D. Keigwin and W.B. Curry	Postdoctoral	2003

Professional Experience

2007-	Associate Scientist, Woods Hole Oceanographic Institution
2003-2007	Assistant Scientist, Woods Hole Oceanographic Institution
2003-2003	Postdoctoral Investigator, Woods Hole Oceanographic Institution
2001-2003	CICOR Postdoctoral Scholar, Woods Hole Oceanographic Institution
1993-2001	Research & Teaching Assistant, SUNY at Stony Brook
1990-1993	Research & Teaching Assistant, University of Bucharest, Romania

Honors

2006	Honorary Research Fellow, University of Aberdeen, Geosciences School
2001	Woods Hole CICOR Postdoctoral Scholarship
1998	“Year of the Ocean” ONR/NSF Student Award
1993	NAFSA Baltic and East European Program Award

Field Experience

(Co-)Chief Scientist: Indus delta; Danube delta; Mackenzie delta; Black Sea infilled estuaries
Co-PI: R/V Knorr cruise in the Panama basin; R/V Pelagia cruise on the Indus shelf
Drilling cruises: India Gas Hydrate Expedition 01; ODP Leg 202 “SE Pacific Paleooceanography”, ODP Leg 172 “Blake-Bahama Outer Ridge and Bermuda Rise”
Coring and multibeam surveys: Atlantic Bight, West Coast shelf, Hudson River

Professional and Academic Associations

American Geophysical Union, Geological Society of America, Society for Sedimentary Geology

Synergistic Activities

Contributor to white paper on “Deltas Under Threat” (for GWSP/LOICZ) – in progress
Co-Editor River Deltas: Concepts, Models and Examples, SEPM Special Publication, 2005
Founder and former Editor-in-Chief – Ad Astra - Young Romanian Scientists' Journal

Educational Activities

MIT/WHOI Joint Program Course: Marine Geology and Geophysics
Postdoctoral Research Advisor: Andrew Ashton (USGS-WHOI Postdoctoral Scholar)
Doctoral co-Advisor: Camilo Ponton

Selected Publications

Books

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

Peer-reviewed

- Giosan, L.**, F. Filip, S. Constantinescu, 2008, Rapid Communication: Was the Black Sea catastrophically flooded in the early Holocene? *Quaternary Science Reviews*, in press.
- 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*, in press.
- Clift, P.D., **Giosan, L.**, Blusztajn, J., Campbell, I. H., Allen., C., Pringle, M., Tabrez, A. R., Danish, M., Rabbani, M. M., Alizai, A., Carter., A., Luckge, A., 2008, Holocene Erosion of the Lesser Himalaya Triggered by Intensified Summer Monsoon. *Geology*, 35.
- 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*.
- 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.
- 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, Archaeological Implications, *Geology*, 34.
- Giosan, L.**, Constantinescu, S., Clift, P.D., Tabrez, A.R., Danish, M., Inam, A., 2006, Recent morphodynamics of the Indus delta shelf and coast, *Continental Shelf Research*, 26.
- 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 Publ., 83, 3-12.
- Giosan, L.**, E. Vespremeanu, J.P. Donnelly, J. Bhattacharya, and F. Buonaiuto, 2005, Morphodynamics and evolution of Danube delta. in Giosan and Bhattacharya (Eds.), *River Deltas: Concepts, Models, Case Studies*, SEPM Special Publication, 83,, p. 391-410.
- Siddall, M., Pratt, L., Helfrich, K., **Giosan, L.**, 2004, Testing the physical oceanographic implications of a suggested sudden Black Sea infill 8400 years ago, *Paleoceanography*, 19.
- Bhattacharya, J. and **Giosan, L.**, 2003. Geomorphology of wave influenced deltas: Implications for facies interpretation, *Sedimentology*, 50.
- Giosan, L.**, Flood, R.D., Aller, R.C., 2002. Paleoceanographic significance of sediment color on western North Atlantic drifts: I. Origin of color, *Marine Geology*, 189.
- Giosan, L.**, Flood, R.D., Grützner, J., Mudie, P., 2002. Paleoceanographic significance of sediment color on western North Atlantic drifts: II. Plio-Pleistocene sedimentation, *Marine Geology*, 189.
- Flood, R.D. and **Giosan, L.**, 2002, Migration history of an abyssal mudwave on the Blake-Bahama Outer Ridge, *Marine Geology*, 192.

Other

- Day, J. and **Giosan, L.**, 2008, Survive or subside?, *Nature Geoscience*, 1.
- Donnelly, J.P. and **L. Giosan**, 2008, Tempestuous highs and lows in the Gulf of Mexico, *Geology*, 36.
- Inam, A., Clift, P.D., **Giosan, L.**, et al., 2007, The Geographic, Geological and Oceanographic Setting of the Indus River, in Gupta, A. (Ed.), *Large Rivers*, Willey Press.
- Giosan, L.** and Goodbred, S., 2006, Deltaic Environments, in *Encyclopedia of Quaternary Sci.*, Elsevier.
- Giosan, L.** and Flood, R., 2004, Drilling the Aegean-Marmara-Black Sea Corridor to Investigate Extreme Environmental Changes, *EOS*.