

PERSONAL INFORMATION

Ștefan Constantinescu



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 http://unibuc.ro/prof/constantinescu_s/

Sex Male | Date of birth 15/06/1976 | Nationality Romanian

WORK EXPERIENCE

- 2015-present **Associate Professor**
University of Bucharest, Faculty of Geography. Bd. n. Balcescu No. 1
▪ education and research activities
Senior Scientist
Terrasigna, 4 Verii Street 020723, Bucharest, Romania
- 2005-2015 **Assistant Professor**
University of Bucharest, Faculty of Geography. Bd. n. Balcescu No. 1
▪ education and research activities
Senior Scientist
ASRC, 4 Verii Street 020723, Bucharest, Romania
- 2001-2005 **Teaching Assistant**
University of Bucharest, Faculty of Geography. Bd. n. Balcescu No. 1
▪ education and research activities
- 1999-2001 **Junior Teaching Assistant**
University of Bucharest, Faculty of Geography. Bd. n. Balcescu No. 1
▪ education and research activities

EDUCATION AND TRAINING

- December 2008 graduate course *Radar interferometry using DORIS*, coordinator Prof.Dr. Mihai Datcu, Dr. Valentin Poncos (ASRC, Romanian Space Agency)
- August 2007 graduate course *Introduction to Radar images*, coordinator Prof.Dr. Mihai Datcu
- 2006 one of the founding members of the geo-spatial.org (see additional information)

- May 2004 Guest Scientist, Geology & Geophysics Laboratory, Woods Hole Oceanographic Institution, USA.
- 1999-2005 PhD Geography, Faculty of Geography, Bucharest University: *“Romanian littoral zone between Cape Midia and Vama Veche-a geomorphological study based on Digital Elevation Models”.*
- 1998-1999 MSc Geomorphology, Faculty of Geography, Bucharest University: *“Sea-cliff coast between 2Mai and Vama Veche, a geomorphological study based on Digital Elevation Models”*
- 1994-1998 BSc Geography, Faculty of Geography, Bucharest University
- 1990-1994 “Grigore Moisil” High school, Bucuresti

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B2	B1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	A1	A2	A2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through my experience as professor

Computer skills ▪ good command of ArcGis 10.x, Envi 4.x., QGis, SAGA-GIS, etc.

PERSONAL SKILLS

RESEARCH TOPICS

Coastal evolution based on historical maps
Sea-cliff geomorphology
GIS & Remote Sensing in Coastal Zone

ADDITIONAL INFORMATION

Geo-spatial.org is a Romanian geoportal which promote the share of geoKnowledge and geoData based on the OGC standards. Vasile Craciunescu and Stefan Constantinescu developed the site since 2007, like a resource for geospatial data for the Romanian community. Now geo-spatial.org is a local chapter of the OSGEO (Open Source Geospatial Foundation).

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Scopus Author ID	35777744800

BOOKS

Constantinescu, St., (2012) Analiza geomorfologica a tarmului cu faleza intre Capul Midia si Vama Veche, Editura Universitara, Bucuresti, DOI:10.5682/9786065915244, ISBN: 978-606-591-524-4.

Constantinescu, St., (2014), Geografia mărilor și oceanelor din perspectiva geomatiei, Editura Universitară, București, ISBN 978-606-28-0075-8.

Chaper Books

Constantinescu, St., (2014), *Various approaches to the Danube Delta: from maps to reality*, chapter book in *The Biopolitics of the Danube Delta: Nature, History, Policies.*, Editors: Constantin Iordachi and Kristof van Assche, in press.

Constantinescu, St., Achim, D., Rus, I., Giosan, L., (2014), *Embanking the Lower Danube: From natural to engineered floodplains and back*, chapter book in *Geomorphology and management of embanked floodplains: North American and European fluvial systems in an era of global environmental change*, Editors: Paul Hudson and Hans Middelkoop, Edited book volume under contract with Springer.

Constantinescu, Șt., (2017), *Soft Cliffs Retreat Under the Shadow of Three Ports on the Southern Romanian Coast*, in: Radoane, M., Vespremeanu-Stroe, A. (Eds.), *Landform Dynamics and Evolution in Romania*. Springer International Publishing, Cham, pp. 565–579.

ARTICLES

(33)

Constantinescu, Ș., Giosan, L., 2017. Marginal deltaic coasts in transition: From natural to anthropogenic along the southern Romanian cliffed coast. *Anthropocene* 19, 35–44. doi:10.1016/j.ancene.2017.08.005

Constantin, S., **Constantinescu, Ș.**, Doxaran, D., 2017. Long-term analysis of turbidity patterns in Danube Delta coastal area based on MODIS satellite data. *Journal of Marine Systems* 170, 10–21. doi:10.1016/j.jmarsys.2017.01.016

Constantin, S., Doxoran, D., **Constantinescu Ș.**, (2016), Estimation of water turbidity and analysis of its spatio-temporal variability in the Danube River plume (Black Sea) using MODIS satellite data, *Continental Shelf Research* 112:14-30, Impact Factor: 1.89 · DOI: 10.1016/j.csr.2015.11.009

Giosan, L., Syvitski, J., **Constantinescu, Șt.**, Day, J., (2014) *Climate change: Protect the world's deltas*, *Nature*, vol 516, 31-33, December 4. ISI® Impact factor: 42.351

Liviu Giosan, **Ștefan Constantinescu**, Florin Filip, Bing Deng, (2013), *Maintenance of large deltas through channelization: Nature vs. humans in the Danube delta*, *Anthropocene*, Volume 1, September 2013, Pages 35-45, ISSN 2213-3054.

Liviu Giosan, Marco J. L. Coolen, Jed O. Kaplan, **Ștefan Constantinescu**, Florin Filip, Mariana Filipova-Marinova, Albert J. Kettner & Nick Thom, (2012), *Early Anthropogenic Transformation of the Danube-Black Sea System*, *Sci. Rep.* Volume: 2 Published: 2012, doi:10.1038/srep00582

Liviu Giosan, Peter D. Clift, Mark G. Macklin, Dorian Q. Fuller, **Ștefan Constantinescu**, Julie A. Durcan, Thomas Stevens, Geoff A. T. Duller, Ali R. Tabrez, Kavita Gangal, Ronjojoy Adhikari, Anwar Alizai, Florin Filip, Sam VanLanningham, and James P.

M. Syvitski, (2012) *Fluvial landscapes of the Harappan civilization*, Proceedings of the National Academy of Sciences of the United States of America, May 29, 2012, 109 (22). doi: 10.1073/pnas.1112743109. ISI® Impact factor: 9,771

Constantinescu, St., (2011), *Wave-cut niches on the Romanian sea-cliff shore*, Studii și Cercetări Complexul Muzeal Bistrița Năsăud, Geology-Geography, 15, 57-66

Craciunescu, V., Stancalie, G., Irimescu, A., Catana, S., Mihailescu, D., Nertan, A., Morcov, G., **Constantinescu, S.**, 2016. MODIS-based multi-parametric platform for mapping of flood affected areas. Case study: 2006 Danube extreme flood in Romania. Journal of Hydrology and Hydromechanics 64. doi:10.1515/johh-2016-0040

Constantinescu, St., Budileanu, M. (2008), *Costinești shoreline evolution between 1924-2005*, Studii și Cercetări Complexul Muzeal Bistrița Năsăud, Geology-Geography, 13, 55-60

Constantinescu, St., (2007), *A spatial data infrastructure for the Romanian littoral zone*, Infrastructures and Engineering for Knowledge Society, Romania Academy Library, December 2007.

Giugă, A., Johnson, R., **Constantinescu, St.**, (2011), *Democratic Musical Chairs? Romania's Post-1989 Electoral Geography*, Space and Polity, Volume 15, Number 2, pp. 143-161(19), ISSN 1356-2576, Online ISSN: 1470-1235,

Constantinescu, St., Vespremeanu-Stroe, A., Giosan, L., (2010), A cartographical perspective to the engineering works at the Sulina mouth, Acta Geod. Geoph. Hung., Vol. 45(1), pp. 71–79. ISSN 1217-8977,

Giosan, L., Filip, F., **Constantinescu, St.**, (2009), *Was the Black Sea catastrophically flooded in the early Holocene?*, Quaternary Science Reviews, Volume 28, Issues 1-2, January 2009, Pages 1-6, ISSN 0277-3791, Abstract, ISI® Impact factor: 3,693

Vespremeanu-Stroe, A., **Constantinescu, St.**, Tătui, F., Giosan, L., (2007) *Morphodynamics of the Danube delta coast: multi-decadal evolution and North Atlantic Oscillation Influences*, Journal of Coastal Research, SI 50, ICS 2007 Proceedings, Australia, 157-162

Giosan, L., **Constantinescu, St.**, Clift, P.D., Tabrez, P.D., Danish, M., Inam, A., (2006), *Recent morphodynamics of the Indus delta shore and shelf*, Continental Shelf Research, Volume 26, Issue 14, September 2006, Pages 1668-1684, ISSN 0278-4343, Abstract, ISI® Impact factor: 2,136

Giosan, L., J. P. Donnelly, **Constantinescu, St.**, F. Filip, I. Ovejano, A. Vespremeanu-Stroe, E. Vespremeanu and G. A. T. Duller., (2006), *Young Danube delta documents stable Black Sea level since the middle Holocene: Morphodynamic, paleogeographic, and archaeological implications*, Geology, 34(9), pp. 757-760, 2006, Abstract, ISI® Impact factor: 3,887

Constantinescu, St., (2004), The evolution of Cape Midia's shore sector in the period 1883-2002, Revista de Geomorfologie, Nr. 6, 103-108

INTERNATIONAL CONFERENCE

Constantinescu, Șt., (2016), *Anthropogenic Intervention in Danube Delta: a Diachronic Perspective, Black Sea from Space*, ESA, 28-30 September, Constanța

Budileanu, M., **Constantinescu, Șt.**, (2016), *The Evolution of the Sulina Mouth from Historical Maps to Sentinel Images, Black Sea from Space*, ESA, 28-30 September, Constanța

Șerban, I., **Constantinescu, Șt.**, (2016), *Analysis of Sea Surface Temperature Variability in the Black Sea Using Remote Sensing Data*, Black Sea from Space, ESA, 28-30 September, Constanța

Vrînceanu, C., **Constantinescu, Șt.**, (2016), *Danube river influence on the dynamic topography in the North-Western Black Sea basin*, European Space Agency Living Planet Symposium, Praga Czech Republic, 9-13 May 2016

Constantin, S. Crăciunescu, V; **Constantinescu, Șt.**; Șerban, F., (2016), *Access and processing facilities for satellite data, tailored for Black Sea basin*, European Space Agency Living Planet Symposium, Praga Czech Republic, 9-13 May 2016

Constantin, M., Șerban, F., **Constantinescu, Șt.**, Petrea, D., Rus, I., (2013), *GEOSPACE: Training Centre for Geomatics Open Source Software Usage*, FOSS4G Central and Eastern Europe 201316th - 20th June, National Library of Romania, Bucharest, Romania.

Constantin, S., Crăciunescu, V., **Constantinescu, Șt.**, Șerban, F., (2013), *Earth Science Data Access and Processing Service for Black Sea (ESPOSS)*, FOSS4G Central and Eastern Europe 201316th - 20th June, National Library of Romania, Bucharest, Romania.

Constantinescu, Șt., Rus, I., (2012), *Old maps and postcards viewed as complementary resources to reconstruct the coastal evolution*, International Symposium "Historical Maps in Environmental Geosciences" 21 - 23 June, Cluj Napoca, Romania.

V. Crăciunescu, **Șt. Constantinescu**, I. Ovejanu, I. Rus, (2012), *eHarta: from national to regional open historical map preservation movement*, 7th International Workshop Digital Approaches to Cartographic Heritage Barcelona, 19-20 April 2012

Constantinescu, Șt., Giosan, L., (2011), *Kunstenjeh Anchorage chart: Witnessing the birth of a new port*, European Geosciences Union, Viena, 03-07 mai 2011,

Constantinescu, Șt., Vespremeanu-Stroe, A., Ovejanu, I., Filip F., Giosan, L., (2011), *Natural and far-field anthropogenic effects on the evolution of Sf. Gheorghe mouth*, European Geosciences Union, Viena, 03-07 mai 2011.
DOI: 10.13140/RG.2.1.3656.1042

Crăciunescu, V., **Constantinescu, Șt.**, Ovejanu, I., Rus, I., (2011), *Project eHarta: a collaborative initiative to digitally preserve and freely share old cartographic documents in Romania*, Sixth International Workshop, Digital Approaches to Cartographic Heritage, The Hague, Netherlands, 7 – 8 April 2011

Constantinescu, Șt., Giosan, L., Rus, I., (2010), *Danube landscape evolution in the Calarasi-Braila sector*, European Geosciences Union, Viena, 02-07 mai 2010

Rus, I., Crăciunescu, V., **Constantinescu, Șt.**, Ovejanu, I., (2010) *Territorial development of Cluj-Napoca city (Romania) reflected in cartographic documents*, European Geosciences Union, Viena, 02-07 mai 2010

Constantinescu, Șt., (2009), *A cartographical perspective to the engineering works at the Sulina mouth*, European Geosciences Union, Viena, 19-24 aprilie 2009

Giosan, L., **Constantinescu, Șt.**, Vespremeanu-Stroe, A., Filip, F., Armas, I., (2009), *An initial assessment of the sediment management in the Danube Delta under human control (1850s to Present)*, International Coastal Symposium, Lisabona, Portugalia, 13-18 aprilie 2009

Vespremeanu-Stroe, A., **Constantinescu, Șt.**, Preoteasa, L., Filip, F., Tătui, F., Giosan, L., (2009), *Is the evolution pattern of St. George (Danube) arm mouth changing?*, International Coastal Symposium, Lisabona, Portugalia, 13-18 aprilie 2009

Crăciunescu, V., **Constantinescu, Șt.**, Ovejanu, I., (2008) *Developing an Open Romanian Geoportal using free open source software*, The First International Symposium of Tehnical Geography, Babes-Bolyai University, Faculty of Geography, 30-31 mai 2008

Vespremeanu-Stroe, A., **Constantinescu, Șt.**, Tătui, F., Giosan, L., (2007) *Morphodynamics of the Danube delta coast: multi-decadal evolution and North Atlantic Oscillation Influences*, International Coastal Symposium, Gold Coast, Australia, 16-20 aprilie 2007

Crăciunescu, V., **Constantinescu, Șt.**, (2007), *Developing an Open Romanian Geoportal*, Free and Open Source Software for Geospatial (FOSS4G), 24-27 Septembrie, Victoria, Canada

Vespremeanu-Stroe, A., **Constantinescu, Șt.**, Ovejanu, I., Filip, F., Giosan, L. (2006). *The influence of Danube high discharge in 2005 on St. George arm mouth morphology*, Conferinta Carpato-Balcanica de Geomorfologie, Olomouc, 12-14 aprilie.

Stăncălie, Gh., Crăciunescu, V., **Constantinescu Șt.**, Ovejanu, I., (2005), *Web-Based Information System for Transboundary Flood Management*, International Conference on Flood Forecasting Technology, Tromso, Norway, 17-19 October 2005

Clift, P.D., Giosan, L., **Constantinescu, Șt.**, Tabrez, A.R., (2005), *Holocene Development of the Indus Mega-Delta*, European Geoscience Union, Vienna, Austria, 24-29 April 2005

Vespremeanu, E., **Constantinescu, Șt.**, Strat, D., (2005), *Morphology and morphodynamics of the Romanian Black Sea shore*, Sixth International Conference on Geomorphology, Zaragoza, Spania

Giosan, L., Clift, P.D., **Constantinescu, Șt.**, (2005), *Development of the Indus mega-delta*, International Conference on DELTAS (Mekong venue): Geological Modeling and Management, Ho Chi Minh, Vietnam, 10-16 ianuarie 2005

Giosan, L., Clift, P.D., **Constantinescu, Șt.**, Tabrez, A.R., (2004), *Preliminary results on holocene Indus delta development: climate, sea-level and anthropogenic influences*, Quaternary Land-Ocean Interactions: Driving Mechanisms and Coastal Responses; Bar Harbor, Maine, University of Maine, U.S.A., 14-17 octombrie 2004.

RESEARCH PROJECTS

- **ESPOSS**: Earth Science Data Access and Processing Service for Black Sea, European Space Agency Romanian Industry Incentive Scheme. Beneficiar ESA (European Space Agency). Durata: 2013-2015. Director de proiect: Florin Șerban. Valoarea proiectului: 121.918 Euro. Funcția: membru
- **LeoWorks** 4.0 Image processing/Geographic Information System (GIS) software for educational purposes, Programul ESA EDUSPACE. Beneficiar ESA (European Space Agency). Durata: 2007-prezent. Director de proiect: Florin Șerban. Valoarea proiectului: 670.000 Euro. Funcția: membru
 - GeoSpace: Centrul de Geomatică destinat pregătirii complementare a cadrelor didactice preuniversitare din domeniul Geografiei – POSDRU/87/1.3/S/57378 , Proiect cofinanțat prin Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007-2013 Axa prioritară 1 „Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere” , Domeniul major de intervenție 1.3. „Dezvoltarea resurselor umane în educație și formare profesională”.(2010-2013). Funcția ocupată: expert formator.
- The development of new products derived from satellite data utilized in hydro-meteorological risk management CNMP PN II research grant. Director of the team from University of Bucharest
- Indus Delta Project: Nature and timing of sediment flux rates from the Indus river to the Arabian Sea during the Holocene. a collaborative project supported by the US National Science Foundation to study the Holocene evolution of the Indus delta; Director: Liviu Giosan and Peter Clift, WHOI (2004-2007)
- Coastal storms impact on the Romanian Black Sea coast, project PN-II-RU-TE-2011-3-0293 (2012 -2014) – member
- Southern Romanian littoral of the Black Sea – The analysis of the morphodynamic, hydrodynamic and sedimentary processes on the submerged area and related landforms, grant PN2 PCE 1038/2008 (2009 – 2011) – member
- The submerge morphology of Danube delta coast – morphodynamics and sediment transport analysis, grant CNCSIS AT 13 GR (2007-2008) – member
- The impact of climate variability and human pressure upon the hydrologic regime of Danube river and consequences for coastal dynamics, grant CEEEX nr. X2C20 (2006-2008) – member
- The impact of climate changes upon the Holocene and present dynamics of alpine zone (Romanian Carpathians), grant CEEEX nr. 738 (2006-2008) – member
- Study of rocky coast southward of Cape Tuzla. CNCSIS research grant. Director: Viorel Ungureanu (2002-2004) – member