

PERSONAL INFORMATION

Florin Iulian ZĂINESCU


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Sex: M

Date of birth: 04/06/1991

Nationality: Romanian

Education and training

2006-2010	Bogdan Petriceicu Hasdeu National College – Town of Buzau
2010-2013	Bsc - Environmental Geography - Faculty of Geography, University of Bucharest Thesis: Characteristics and trends of storms on the Danube Delta coast Relevant courses: Oceanography, Geomorphology, Ecology, Climatology, Geology, Hidrology
2013-2015	Msc – Geomorphology and Cartography, Faculty of Geography, University of Bucharest Thesis: Storm control in the dynamics of Sacalin barrier island, Danube Delta Relevant courses: Landform dynamics, Geomorphology, GIS in geomorphology, Global morphoclimatic changes
Feb-Mai 2015	Research stage at CEREGE (Centre Européen de Recherche et d'Enseignement en Géosciences de l'Environnement) Aix-Marseille, under the Partenariats Hubert Curien Brancusi
Research visit Nov 2015	Research visit during the project : The influence of climate change over the intensity of erosional processes on the coasts of Danube Delta and Rhone Delta (RHODAN) , PN-II-CT-RO-FR-2014-2-0062 project (2015 – 2016). University of Bucharest - Aix Marseille
2016-2019	PhD Cotutelle thesis between the University of Bucharest in Romania and University of Aix-Marseille in France, under the supervision of Prof Alfred Vespremeanu-Stroe and Prof. Edward Anthony. Title: Fluvio-marine interactions and sediment dynamics in river mouth areas . Thesis supported by a French Government Scholarship.

Personal skills

Languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Advanced	Advanced	Advanced	Advanced	Advanced
Cambridge Advanced English B					
French	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate

Field experience Research campaigns in the Danube Delta at the Marine and Fluvial research station in Sfântu Gheorghe (2011-2017): Topographic beach surveys of the Sfântu Gheorghe beach, Sand prelevation for Optically Stimulated Luminescence, Corings in the delta plain, bathymetric surveys of the river Sf. Gheorghe mouth and offshore bars.

Scientific equipment skills Topographic equipment operation (Total station, DGPS), Bathymetry (Ecosounder), GPR (Ground Penetrating Radar)

Data visualization and data processing Interpretation and analysis of climatologic, geologic, topographic and geospatial data. Experience with computer programs (Excel, Corel Draw, ArcGIS, Surfer, Global Mapper, Envi, Radan).

Organizational skills Organizer of the XXXIth National Symposium of geomorphology in the Danube Delta

Other Teamwork, punctuality, problem-solving skills
Member of Romanian Geomorphology Association (AGR)
Member of Coastal Education and Research Foundation (CERF)

Publications :

Articles:

Zăinescu, F., Vespremeanu-Stroe, A., Tătui, F., Valchev, N. Storm climate on the Danube Delta coast: evidence of recent storminess change and links with large-scale teleconnection patterns. **Natural Hazards** 2017.

Vespremeanu-Stroe A., **Zăinescu F.**, Preoteasa L., Tătui F., Rotaru S., Morhange C., Stănică A., Hanganu J., Timar-Gabor A., Cărdan I., Piotrowska N. Holocene evolution of the Danube delta: An integral reconstruction and a revised chronology. **Marine Geology** 2017.

Preoteasa L., Vespremeanu-Stroe A., Tătui F., **Zăinescu F.**, Timar-Gabor A., Cardan I., The evolution of the Sf. Gheorghe (Danube) asymmetric deltaic lobe in association with the cyclic development of a river - mouth bar and present adaptations to human-induced sediment depletion. **Geomorphology** 2016.

Zăinescu, I.F.; Vespremeanu-Stroe, A. and Tătui, F. Comparative spit dynamics. The case of river mouth deltaic spits. In: Vila-Concejo, A.; Bruce, E.; Kennedy, D.M., and McCarroll, R.J. (eds.), Proceedings of the 14th

International Coastal Symposium (Sydney, Australia). **Journal of Coastal Research** 2016.

Vespremeanu-Stroe A., Preoteasa L., **Zăinescu F.**, Rotaru S., Croitoru L., Timar-Gabor A. Formation of Danube delta beach ridge plains and signatures in morphology. **Quaternary International** 2016.

Book chapters:

Zăinescu, F. Vespremeanu-Stroe, A. Storm climate and storm imprints on the Danube Delta coast morphodynamics. In: Rădoane, M., Vespremeanu-Stroe, A. (Eds.). *Landform Dynamics and Evolution in Romania*, Springer (2016).

Vespremeanu-Stroe, A., Preoteasa, L., **Zăinescu, F.**, Tătui, F. The genesis and evolution of the Danube Delta after the reconnection to the world ocean, In: *Landform Dynamics and Evolution in Romania*, Editori: Maria Rădoane și Alfred Vespremeanu-Stroe, Springer (2016).

Vespremeanu-Stroe, A., Tătui, F., Constantinescu, Ș., **Zăinescu, F.** Danube Delta coast morphodynamics. In: Rădoane, M., Vespremeanu-Stroe, A. (Eds.). *Landform Dynamics and Evolution in Romania*, Springer (2016).

Research projects (member):

The influence of climate change over the intensity of erosional processes on the coasts of Danube Delta and Rhone Delta, PN-II-CT-RO-FR-2014-2-0062 project (2015 – 2016)

Projet PN-II-RU-TE-2014-4-2527: Late Holocene Changes of the natural environment and the impact on human communities in the Danube Delta: a Geoarchaeological approach. (2015-2017)

Presentations at international conferences:

Alfred Vespremeanu-Stroe, **Florin Zăinescu**, Florin Tătui, and Luminița Preoteasa. Mesoscale Coastal Behavior of a Deltaic Barrier Island: Storm-Driven Evolution and Morphodynamic Feedbacks. European Geosciences Union General Assembly, Viena, Austria, April 2017

Florin Tătui, Alfred Vespremeanu-Stroe, Ștefan Constantinescu, and **Florin Zăinescu**. Danube Delta Coastline Dynamics in the Last 160 Years. European Geosciences Union General Assembly, Viena, Austria, April 2017

Florin I. Zăinescu, Alfred Vespremeanu-Stroe, and Florin Tătui. An extreme breaching of a barrier spit: insights on large breach formation and its impact on barrier dynamics. European Geosciences Union General Assembly, Viena, Austria, April 2017

Zăinescu F., Vespremeanu-Stroe A., Tatui F. Comparative Spit Dynamics. The Case of Deltaic River Mouth Spits. International Coastal Symposium 2016. 6 – 11 March 2016, Crowne Plaza Coogee Beach, Sydney, Australia

Vespremeanu-Stroe A., Preoteasa L., **Zăinescu F.**, Tatui F. Anthropoc Influence on the Danube River Mouths Evolution. International Coastal Symposium 2016. 6 – 11 March 2016, Crowne Plaza Coogee Beach, Sydney, Australia.

Tatui F., Vespremeanu-Stroe A., **Zăinescu F.**, S Constantinescu. Shoreface Changes at Different Time-Scales on Danube Delta Coast. International Coastal Symposium 2016. 6 – 11 March 2016, Crowne Plaza Coogee Beach, Sydney, Australia

Vespremeanu-Stroe, A., Preoteasa, L., Tătui, F., **Zăinescu, F.**, Timar-Gabor, A., Cărdan, I. The evolution of the Sf. Gheorghe (Danube) assymetric deltaic lobe in association with the cyclic development of a river-mouth bar and present adaptations to human-induced sediment depletion. European Geosciences Union General Assembly, Viena, Austria, aprilie 2015; rezumat publicat în Abstract Book (Geophysical Research Abstracts, vol. 17/2015).

Zăinescu, F., Vespremeanu-Stroe, A., Tătui, F., Constantinescu, Ș. Storm driven evolution and morphodynamic feedbacks. Sacalin spit, Danube delta. European Geosciences Union General Assembly, Viena, Austria, aprilie 2015; rezumat publicat în Abstract Book (Geophysical Research Abstracts, vol. 17/2015).

Zăinescu F., Vespremeanu-Stroe A. The importance of biogeomorphic interactions in determining the complexity of barrier breaching. ECOSMART International Conference – Environment at a Crossroads: SMART approaches for a sustainable future November 12-15, 2015, Bucharest, Romania.

Tatui F., Vespremeanu-Stroe A., **Zăinescu F.**, Constantinescu S. Shoreface Dynamics and Evolution on Danube Delta Coast. ECOSMART International Conference – Environment at a Crossroads: SMART approaches for a sustainable future November 12-15, 2015, Bucharest, Romania.

Vespremeanu-Stroe A., **Zăinescu F.**, Tătui F., Preoteasa L. Storm climate and morphological responses (from short- to long-term scales) on the Danube delta coast. ECOSMART International Conference – Environment at a Crossroads: SMART approaches for a sustainable future November 12-15, 2015, Bucharest, Romania.

Vespremeanu-Stroe, A., Tătui, F., Constantinescu, Ș., Preoteasa, L., **Zăinescu, F.** Storm regime and morphological changes at different time scales on the Romanian Black Sea coast, International Conference on Geomorphology (ediția a 8-a), Paris, Franța, septembrie 2013.

Presentations at national conferences:

Zăinescu, F., Vespremeanu-Stroe, A., Tătui F., Constantinescu, Ș. Factorii de control ai evoluției barierei Sacalin și implicații în dinamica spărturilor, Al XXXI-lea Simpozion Național de Geomorfologie, Sfântu Gheorghe, 21 – 24 mai 2015.

Preoteasa, L., Vespremeanu-Stroe, A., Tătui F., **Zăinescu, F.**, Timar-Gabor, A., Cărdan, I. Evoluția ciclică a lobului deltaic Sfântu Gheorghe (2100 BP - prezent) și impactul recent al scăderii sedimentelor transportate de Dunăre, Al XXXI-lea Simpozion Național de Geomorfologie, Sfântu Gheorghe, 21 – 24 mai 2015.

Tătui F., Vespremeanu-Stroe, A., Preoteasa, L., **Zăinescu, F.** Variabilitatea în lungul țărmului a răspunsului sistemului plajă-dune la furtuni pe coasta Deltei Dunării, Simpozionul anual al Facultății de Geografie, Universitatea din București, 15 noiembrie 2014.

Tătui F., Vespremeanu-Stroe, A., Preoteasa, L., **Zăinescu, F.** Variabilitatea în lungul țărmului a răspunsului sistemului plajă-dune la furtuni pe coasta Deltei Dunării, Al XXX-lea Simpozion Național de Geomorfologie, Orșova, 29 – 31 mai 2014; rezumat publicat în Abstract Book.

Vespremeanu-Stroe, A., Constantinescu, Ș., Preoteasa, L., Tătui F., **Zăinescu, F.** Rolul furtunilor în evoluția insulei-barieră Sacalin (1897-2014), Al XXX-lea Simpozion Național de Geomorfologie, Orșova, 29 – 31 mai 2014; rezumat publicat în Abstract Book.

Rotaru S., **Zăinescu F.**, Croitoru L. Evolution of Sulina lobe - new data on Late Holocene shoreline progradation of Letea beach ridge plain, Danube Delta. Simpozionul Scolii Doctorale de Geologie. Mai 2014.

Zăinescu, F., Vespremeanu-Stroe, A., Tătui F. Climatul furtunilor de pe țărmul deltaic românesc în ultimii 50 ani, Al XXIX-lea Simpozion Național de Geomorfologie, Suceava, 30 mai-1 iunie 2013; rezumat publicat în Abstract Book.

Croitoru L., **Zăinescu F.** Noi progrese în cunoașterea evoluției lobului Sulina și a câmpului marin Letea: geneză, morfodinamică și schimbări peisagistice. Al XXI-lea simpozion național al studenților. 2014

Zăinescu F., Vespremeanu-Stroe A. Climatul furtunilor de pe tarmul deltaic românesc. Al XXX-lea simpozion național al studenților. 2013