

<b>Program</b>	<b>Program NUCLEU PN 09-13 02 03</b>
<b>Project title (ENG):</b>	<b>Monitoring the ecological diversity of aquatic Danube Delta system in terms of spatial-temporal relationship. Study case: South-Eastern area of Danube Delta</b>
<b>Project title (RO):</b>	<b>Monitorizarea diversității ecologice a sistemelor acvatice deltaice pe baza relației spațio-temporale. Studiu de caz-zona de sud-est a Deltei Dunării</b>
<b>Duration</b>	2009-2013
<b>Team Leader</b>	Elena Stanescu
<b>Summary (short description) ENG</b>	The project aimed the monitoring of aquatic systems ecological diversity in the south-east of the Danube Delta in terms of spatial and temporal relationship. In this regard, the quality of abiotic (micropollutants inorganic / organic) and biotic parameters were investigated in accordance with the requirements imposed by national legislation in force. Moreover, the relationship between the driving forces and biological communities was evaluated to emphasis the structural and functional changes of the lower Danube basin ecological systems. In addition, the role of dominant populations in functional evaluation of deltaic system and chemical pollutants bioaccumulation in benthic organisms were quantified. Thus, based on these quality elements, the deltaic aquatic systems was framed in quality states.
<b>Summary (short description) RO</b>	Proiectul a propus monitorizarea diversitatii ecologice a sistemelor acvatice de tip deltaic din zona de sud-est a Deltei Dunarii din prisma relatiei spatio-temporale. Pentru aceasta, s-a urmarit evaluarea calitatii parametrilor abiotici (micropoluanti anorganici / organici) si biotici ai ecosistemelor deltaice investigate in conformitate cu limitele impuse de legislatia nationala in vigoare, relatia factorilor de comanda in evidentierea modificarilor structurale si functionale ale sistemelor ecologice in bazinul inferior al Dunarii, rolul populatiilor dominante in evaluarea functionala a sistemului deltaic si bioacumularea poluantilor chimici in organismele bentonice. Astfel, pe baza acestor elemente de calitate si a abordarii integrate, s-a incadrat sistemul acvatic deltaic investigat in stari de calitate.
<b>PhD Thesis – Title RO, ENG</b>	Catalina Stoica: Evaluarea starii ecologice a ecosistemelor acvatice lotice: compozitia si structura faunei bentale RO Ecological status assessment of lotic aquatic ecosystems: the composition and the structure of benthic fauna ENG
<b>Full-paper ISI</b>	Fokion Vosniakos, Luoana Pascu, Jana Petre, Liliana Cruceru, Gabriela Vasile, Vasile Iancu, Dinu Cristina, Marcela Niculescu, Margareta Nicolau, <i>The temporal and spatial monitoring of water and sediment physical-chemical quality from Saint George branch in the period february 2009 -february 2011</i> , Fresenius Enviromental Bulletin, vol.21(2), pg.233-245, 2012, ISSN 1018-4619 Catalina Stoica, Irina lucaciu, Margareta Nicolau, Fokion Vosniakos, Stefania Gheorghe, Rozalia Grumaz, <i>Monitoring the ecological diversity of aquatic Danube Delta system in terms of spatial-temporal relationship</i> , Journal of Environmental Protection and Ecology, nr vol.13, no.2, 476-486, 2012, ISSN 1311-5065 Catalina Stoica, Elena Stanescu, Irina Lucaciu, Stefania Gheorghe, Margareta Nicolau, <i>Influence of global change on biological assemblages in the Danube Delta</i> , Journal of Environmental Protection and Ecology, vol.14, no.2, p. 468-479, 2013, ISSN 1311-5065. C.Stoica, I.Paun, E.Stanescu, I.Lucaciu, D.Niculescu, <i>Spatial and temporal variation of chlorophyll “a” along Danube River</i> , Journal of Environmental Protection and Ecology, vol.14, nr.3, 864-874, 2013, ISSN 1311-5065

<b>Full-paper BDI</b>	Catalina Stoica, Stefania Gheorghe, Iuliana Paun, Elena Stanescu, Cristina Dinu, Jana Petre, Irina Lucaciu, <i>Long term biological changes along Danube Delta systems after industrialization period</i> , Romaqua 91 (1), 14-21, 2014.
	C.Stoica, E. Stanescu, I. Lucaciu, S. Gheorghe, M. Nicolau, <i>Influence of driving forces on biotic communities in lotic aquatic systems (South-Eastern of Danube Delta)</i> , Water resources and wetlands, P. Gastescu, W. Lewis Jr., P. Bretcan (Eds.), ISBN: 978-606-605-038-8, 2012.
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	Elena Stanescu, Catalina Stoica, Gabriela Vasile, Jana Petre, Stefania Gheorghe, Iuliana Paun, Irina Lucaciu, Margareta Nicolau, Fokion Vosniakos, Konstantinos Vosniakos, Mariana Golumbeanu, <i>Structural changes of biological compartments in Danube Delta systems due to persistent organic pollutants and toxic metals</i> , Chapter 21 in Book Environmental Security Assessment and Management of Obsolete Pesticides in South-East Europe, Published by Springer Science +Business Media Dordrecht, 2013, pp.229-248, DOI 10.1007/978-94-007-6461-3; <i>chapter 21- DOI 10.1007/978-94-007-6461-3_21</i> , 2013, ISBN 978-94-007-6460-6(HB); ISBN 978-94-007-6461-3 (e-book).
	S. Gheorghe, C. Stoica, G. G.Vasile, M. Nita-Lazar, E. Stanescu, I. Lucaciu, <i>Metals toxic effects in aquatic ecosystems: modulators of water quality</i> , Book Chapter 4, In: Water Quality, InTech, Hlanganani Tutu(Ed.), ISBN 978-953-51-2882-3, DOI: 10.5772/65744, 2017.
<b>Conferences (platform, poster, abstract / full-paper)</b>	Luoana Pascu, Jana Petre, Gabriela Vasile, Iancu Vasile, Dumitru Staniloaie, Dinu Cristina, Elena Nastac, Liliana Cruceru, Margareta Nicolau, <i>Evaluation of physical-chemical quality characteristics of surface water and sediments from the Danube Delta in period April 2006-August 2009</i> , EstFalia, vol.II, pag. 315-321, 2009, ISSN 1843-5831.
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	Catalina Stoica, Stefania Gheorghe, Iuliana Paun, Elena Stanescu, Cristina Dinu, Jana Petre, Irina Lucaciu, <i>Long term biological changes along Danube Delta systems after industrialization period</i> , EstFalia, vol.II, pag. 157-166, 2013, ISSN 1843-5831
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	Stoica Catalina, Irina Lucaciu, Margareta Nicolau, Fokion Vosniakos, Stefania Gheorghe, Rozalia Grumaz, <i>Monitoring the ecological diversity of aquatic Danube Delta systems in terms of spatial-temporal relationship</i> , WORKSHOP

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	Stoica, C, Pascu, L.. <i>Monitorizarea diversității ecologice a sistemelor acvatice deltaice pe baza relației spațio-temporale. Studiu de caz – zona de sud-est a Deltei Dunării</i> , Expoziție Romexpo Dunărea &Delta, 23-26-06.2011,BUCURESTI, ROMANIA, PREZENTARE ORALA.
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