<table>
<thead>
<tr>
<th>Program</th>
<th>Program NUCLEU PN 09 13 02 02</th>
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<tr>
<td>Project title (ENG):</td>
<td>Researches concerning the nature of the ionic species of dangerous pollutants - existing metals in surface waters and transformations undergone by these</td>
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<tr>
<td>Project title (RO):</td>
<td>Cercetari privind natura speciilor ionice ale unor poluanti periculosi – metale existente în apele de suprafata si transformarile suferite de acestea</td>
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<tr>
<td>Duration</td>
<td>03.2009- 12.2012</td>
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<tr>
<td>Team Leader</td>
<td>Senior Researcher chem. Elena Birsan</td>
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<tr>
<td>Summary (short description) ENG</td>
<td>In the project was carried out a study of heavy metal pollution of water bodies, due to anthropogenic development of activities. It was achieved a steady state characterization of metal from the matrix of ionic species studied and influence on aquatic ecosystems. Qualitative and quantitative investigations regarding the content of metals from polluted water bodies analyzed revealed the environmental risk induced evolution.</td>
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<tr>
<td>Summary (short description) RO</td>
<td>În proiect s-a realizat un studiu al poluarii cu metale grele a corpurilor de apa, urmare a desfasurării unor activități antropice. S-a realizat o caracterizare a starilor de echilibru a speciilor ionice ale metalelor din matricele studiate și influența asupra ecosistemelor acvatice. Investigațiile calitative și cantitative privind continutul unor metale din corpurile de apa poluate analizate au permis evidențierea evoluției riscului ecologic indus.</td>
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<tr>
<td>Dissemination of results</td>
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<tr>
<td>PhD Thesis – Title RO, ENG</td>
<td>Analiza de speciație chimică a unor metale în corpuri de apă de suprafață poluate antropic, Elena Barsan, 2011</td>
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<td></td>
<td>Chemical analysis of certain metals speciation in surface water bodies polluted anthropic</td>
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<tr>
<td>Full-paper ISI</td>
<td>Birsan Elena,Cisnovschi Georgiana, Luca Constantin, Distribution of dissolved and particulate heavy metals in a surface water from an area affected by mining activities, <em>Journal of Environmental Protection and Ecology</em>, 13, no.3, 1261-1276, 2012</td>
</tr>
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<td>Conferences (platform, poster, abstract / full-paper</td>
<td>Birsan Elena, Cisnovschi Georgiana, Luca Constantin, Distribution of dissolved and particulate heavy metals in a surface water from an area affected by mining activities, <em>International Workshop – Fishery And Aquaculture – A View Point Upon The Sustainable Management of the Water Resources In The Balkan Area</em>, Galati, Romania, 26-28 mai 2010</td>
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<td></td>
<td>Birsan Elena, Cisnovschi Georgiana, Petrescu Marinela, Stoica Catalina,Batinescu Gheorghe,Stanescu Bogdan, Setting the dynamics of quality status for aquatec ecosystem – Suceava River and its...</td>
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<td>Conferences (platform, poster, abstract / full-paper)</td>
<td>Birsan Elena, Luca Constantin, Spéciation des éléments métalliques dans des eaux de surface polluées anthropique, 6-ème Colloque Franco-Roumain de Chimie Appliquée, Orleans, France, 7-10 juillet 2010</td>
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<td>tributaries, International Workshop – „Global and Regional Environmental Protection” GLOREP 2010, Timisoara, Romania, 26-28 nov.2010</td>
<td>Birsan Elena, Luca Constantin, Copper speciation assessment in aquatic ecosystem affected by historical mining activities, EMEC 11 – 11th European Meeting on Environmental Chemistry, Portorez, Slovenia, decembrie 2010</td>
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