

<b>Program</b>	<b>Program NUCLEU PN 09-13.03.21</b>
<b>Project title (ENG):</b>	<b>Strategies in order to improve the nitrification efficiency of bio filters fed with groundwater sources</b>
<b>Project title (RO):</b>	<b>Strategii de imbunatatire a eficientei biofiltrelor de nitrificare surse de apa subterane</b>
<b>Duration</b>	2015
<b>Team Leader</b>	Eng. Viorel Patroescu
<b>Summary</b> (short description) ENG	The project achieved the parameters operating influence and washing evaluation of bio filters on the nitrification performance and identified the technological solutions for maximizing the nitrification rate.
<b>Summary</b> (short description) RO	Proiectul a realizat evaluarea influentei parametrilor de operare si de spalare ai biofiltrelor asupra performantei de nitrificare si identificarea solutiilor tehnologice de maximizarea a vitezei de nitrificare.
<b>Dissemination of results</b>	
PhD Thesis – Title RO, ENG	Tratarea biologică a apelor din surse subterane în vederea potabilizării, Viorel Patroescu, 2017  Biological treatment of groundwater intended to human consumption
Full-paper ISI	<b>Ion Viorel Patroescu</b> , Laurentiu Razvan Dinu, Lucian Alexandru Constantin, Mihaela Alexie, Gheorghita Jinescu. 2016. <i>Impact of Temperature on Groundwater Nitrification in an Up-Flow Biological Aerated Filter Using Expanded Clay as Filter Media</i> . REV. CHIM. (Bucharest), vol.67, No.8, 1433-1435, WOS:000384514200004, ISSN:0034-7752  <b>Viorel Patroescu</b> , Ioana Ionescu, Olga Tiron, Costel Bumbac, Monica Alina Mares, Gheorghita Jinescu. 2016. <i>Nitrification Front Evolution in a Biological Aerated Filter Using Expanded Clay as a Filter Media</i> . REV. CHIM. (Bucharest), vol.67, No.5, 958-961, WOS:000378158100030, ISSN:0034-7752
Full-paper BDI	<b>Ion-Viorel Patroescu</b> , Gheorghita Jinescu, Cristiana Cosma, Laurentiu-Razvan Dinu, Costel Bumbac. 2015. <i>Influence of Biological Filtration Media on the Ammonium Removal Rates from Groundwater Sources</i> . U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 4, 201-208
Conferences (platform, poster, abstract / full-paper)	<b>V. Patroescu</b> , Dr. C. Bumbac, O. Tiron, I. Ionescu, Prof. Dr. C. Jinescu. <i>Biological removal of Ammonium from Groundwater</i> . 15th International Multidisciplinary Scientific Geoconference SGEM, 18-24 June 2015, Albena, Bulgaria, Section 20, vol 1, 103-110, WOS:000370813400014, ISSN:1314-2704