**LISTA**

**lucrărilor ştiinţifice publicate**

**Lector univ. dr. Ardeleanu Elena-Roxana**

1. Teza de doctorat ***„Modele de reacţie-difuzie cu chemotaxis”*** susținută în iunie 2012, la Institutul de Statistică Matematică și Matematică Aplicată "Gh. Mihoc-Caius Iacob" al Academiei Române, îndrumător CS I Dr. Gabriela Marinoschi.
2. Brevete/invenții – nu este cazul

 3. Cărți și capitole în cărți

* 1. **Ardeleanu Elena Roxana**, Lungu Otilia, ***Matematici superioare. Culegere de probleme***, Editura Alma Mater, Bacău, 2017, ISBN 978-606-527-571-3.
	2. Ardeleanu Elena-Roxana, ***Differential Equations. Problems and solutions***, Editura Alma Mater, Bacău, 2015, ISBN 978-606-527-479-2.
	3. V. Nimineț, **R. Ardeleanu**, ***Elemente de teoria probabilităților și Statistică****,* Editura PIM, Iași, 2008, ISBN 978-606-520-014-2.
	4. G. Burcă, **R. Ardeleanu**, ***Matematici aplicate- Probabilități și statitică***, Editura PIM, Iași, 2007, ISBN 978-93-716-643-2.

 4. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

1. Elena-Roxana Ardeleanu, **Mathematics teaching methods: traditional vs. Modern**, Journal of Innovation in Psychology, Education and Didactics (JIPED), vol. 23, nr. 2, 2019, pag. 134-141, ISSN: 2247-4579 E-ISSN: 2392-7127
2. Ann Colles, **Elena-Roxana Ardeleanu,** et.al., ***Human biomonitoring as a tool for exposure assessment in industrially contaminated sites (ICSs). Lessons learned within the ICS and Health European Network***, Epidemiologia e prevenzione, vol. 43, nr. 4, p. 1-11, 2019, ISSN 1120-9763 DOI:10.19191/EP18.5-6.S1.PO21.085 (factor de impact 1,289)
3. Gerard Hoek, Andrea Ranzi, Ilir Alimehmeti, **Elena-Roxana Ardeleanu**, et.al., ***A review of exposure assessment methods for epidemiological studies of health effects related to industrially contaminated sites,*** Epidemiologia e prevenzione, 42(5-6) Suppl 1, p. 21-36, 2018, ISSN 1120-9763 DOI:10.19191/EP18.5-6.S1.PO21.085
4. E.R. Ardeleanu, ***Note on the well-posedness of a nonlinear hyperbolic system for cell growth,*** Proceeding of the Romanian Academy, Series A, Mathematics, Physics, Tehnical Sciences, Information Science, vol. 17, no. 4, 2016, ISSN 1454-9069, pag. 293-299 (factor de impact 1,735).
5. E.R. Ardeleanu, ***Numerical simulation for a model of bioremediation with chemotaxis***, Journal of Engineering Studies and Research, vol. 21, no. 1, 2015, ISSN 2068-7559, pag. 7-14.
6. I. Caraman, D. Rusu, E.R. Ardeleanu, I. Evtodiev, ***The Detectors of UV and X radiation based on Ga2S3 and GaSe semiconductors intercalated with Cd***, Journal of Optoelectronic and Biomedical Materials, vol. 7, number 1, January-March, 2015, ISSN 2066-0049, pag.27-32.
7. Ardeleanu (Sgarcea) E.R., Marinoschi G.M., ***An asymptotic solution to a nonlinear reaction-diffusion system with chemotaxis***, Numerical Functional Analysis and Optimization, 2013, vol. 34, nr. 2, ISSN 0163-0563 print/1532-2467 online, pag 117-148 (factor de impact 0,711).
8. Ardeleanu (Sgarcea) E.R., ***A chemotaxis model in a stratified domain***, Mathematical reports, 2012, vol. 14(64), nr. 3, ISSN 1582-3067, pag. 221-242 (factor de impact 0,098).
9. Ardeleanu E.R., ***On a one-dimensional mathematical model related to soil bioremediation***, Scientific Studies and Research Series Mathematics and Informatics, 2011, vol. 21, nr. 1, ISSN 2067-3566, pag. 37-50.
10. Ardeleanu E.R.,  ***An approach to bioremediation***, Journal of engineering studies and research, 2011, vol. 17 nr. 4, ISSN 2068-7559, pag. 7-12.
11. Sgarcea Elena-Roxana, ***The associated semigroup to a diffusion problem in a porous medium***, Proceedings of the International Conference on Mathematics and Informatics, ICMI 45, 2006, Bacău, România.

5. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. Ardeleanu R., ***Environmental impact of phosphogypsum waste dump in Bacău, Ramania – case study***, First Training School’s Final Report and Posters on Environmental Health and industrially contaminated sites, Action Grant COST IS1408 Industrially Contaminated Sites and Health Network (ICSHNet), Aristotle University Of Thessaloniki, Research Dissemination Center (KEDEA), 6.02-10.02.2017, Thessaloniki, Greece, https://www.icshnet.eu/wp-content/uploads/2018/05/1stTS\_Final\_Report.pdf
2. **Ardeleanu R.,** Furdu I., ***On the role of mathematical game in obtaining school performance,*** Proceedings of the International Conference Social Media in Academia: Research and Teaching, SMART 2014, 18-21 septembrie 2014, Timișoara, România, ISBN 978-88-7587-712-5, pag. 429-434.
3. I. Furdu, R. Ardeleanu, ***Rolul jocului didactic matematic în obținerea performanței școlare***, Cercetare și practică în didactica modernă, 2013, ISSN 2344-4142, pag.536-542.

 **Data, Semnătura,**

 14.01.2020 Ardeleanu Elena-Roxana