

CRISTINA CHIRCOV (UNCU) – List of publications

Publications included in the PhD thesis

No.	Publication	Impact factor
1.	Chircov, C. ; Matei, M.-F.; Neacșu, I.A.; Vasile, B.S.; Oprea, O.-C.; Croitoru, A.-M.; Trușcă, R.-D.; Andronescu, E.; Sorescu, I.; Bărbuceanu, F. Iron oxide–silica core–shell nanoparticles functionalized with essential oils for antimicrobial therapies. <i>Antibiotics</i> , 2021 , <i>10</i> , 1138.	4.639
2.	Chircov, C. ; Bîrcă, A.C.; Grumezescu, A.M.; Vasile, B.S.; Oprea, O.; Nicoară, A.I.; Yang, C.-H.; Huang, K.-S.; Andronescu, E. Synthesis of magnetite nanoparticles through a lab-on-chip device. <i>Materials</i> , 2021 , <i>14</i> , 5906.	3.623
3.	Chircov, C. ; Ștefan, R.-E.; Dolete, G.; Andrei, A.; Holban, A.M.; Oprea, O.-C.; Vasile, B.S.; Neacșu, I.A.; Tihăuan, B. Dextran-coated iron oxide nanoparticles loaded with curcumin for antimicrobial therapies. <i>Pharmaceutics</i> , 2022 , <i>14</i> , 1057.	6.525
4.	Chircov, C. ; Bîrcă, A.C.; Vasile, B.S.; Oprea, O.-C.; Huang, K.-S.; Grumezescu, A.M. Microfluidic synthesis of -NH ₂ - and -COOH-functionalized magnetite nanoparticles. <i>Nanomaterials</i> , 2022 , <i>12</i> , 3160.	5.719
5.	Chircov, C. ; Pîrvulescu, D.-C.; Bîrcă, A.C.; Andronescu, E.; Grumezescu, A.M. Magnetite microspheres for the controlled release of rosmarinic acid. <i>Pharmaceutics</i> , 2022 , <i>14</i> , 2292.	6.525
6.	Chircov, C. ; Bîrcă, A.C.; Dănculescu, L.A.; Neacșu, I.A.; Oprea, O.-C.; Trușcă, R.-D.; Andronescu, E. Usnic acid-loaded magnetite nanoparticles - a comparative study between synthesis methods. <i>Molecules</i> , 2023 , <i>28</i> , 5198.	4.6
7.	Chircov, C. ; Dumitru, I.A.; Vasile, B.S.; Oprea, O.-C.; Holban, A.M.; Popescu, R.C. Microfluidic synthesis of magnetite nanoparticles for the controlled release of antibiotics. <i>Pharmaceutics</i> , 2023 , <i>15</i> , 2215.	5.4
Cumulated Impact Factor		37.031

Publications not included in the PhD thesis

No.	Publication	Impact factor
1.	Chircov, C. ; Miclea, I.I.; Grumezescu, V.; Grumezescu, A.M. Essential oils for bone repair and regeneration—mechanisms and applications. <i>Materials</i> , 2021 , <i>14</i> , 1867.	3.623
2.	Chircov, C. ; Grumezescu, A.M. Microelectromechanical systems (MEMS) for biomedical applications. <i>Micromachines</i> , 2022 , <i>13</i> , 164.	3.523
3.	Chircov, C. ; Bejenaru, I.T.; Nicoară, A.I.; Bîrcă, A.C.; Oprea, O.C.; Tihăuan, B. Chitosan-dextran-glycerol hydrogels loaded with iron oxide nanoparticles for wound dressing applications. <i>Pharmaceutics</i> , 2022 , <i>14</i> , 2620.	6.525

4.	Chircov, C.; Mincă, M.-A.; Serban, A.B.; Bîrcă, A.C.; Dolete, G.; Ene, V.-L.; Andronescu, E.; Holban, A.-M. Zinc/cerium-substituted magnetite nanoparticles for biomedical applications. <i>International Journal of Molecular Sciences</i> , 2023 , <i>24</i> , 6249.	5.6
5.	Chircov, C.; Petcu, M.-C.; Oprea, O.C.; Nicoară, A.I. Magnetite-based drug delivery systems for the controlled release of cytostatic agents. <i>UPB Scientific Bulletin Series B-Chemistry and Materials Science</i> , 2023 .	0.5
Cumulated Impact Factor		19.771