

Universitatea din București
 Facultatea de Biologie
 Domeniul: BIOLOGIE
 Nume și prenume: DIȚU LIA-MARA
 Grad didactic: CONFERENȚIAR

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU

CONDIȚII PRELIMINARE

- Minimum 4 articole în reviste cotate ISI cu AIS cumulată mai mare sau egală cu 4, din care 2 articole cu AIS de cel puțin 0.3, în ultimii 5 ani, ca autor principal (2021-2025):

Nr. crt.	ARTICOLE	Anul	AIS
1.	Irina Gheorghe, Ionela Avram, Viorica Maria Corbu, Luminita Marutescu, Marcela Popa, Irina Balotescu, Ion Blajan, Venus Mateescu, Daniela Zaharia, Andreea-Stefania Dumbrava, Octavia Emilia Zetu, Ionut Pecete, Violeta Cristea, Dan Batalu, Mihai Alexandru Grigorescu, Mihail Burdusel, Gheorghe V. Aldica, Peter Badica, Adina D. Datcu, Nicoleta Ianovici, Coralia Bleotu, Veronica Lazar, Lia-Mara Ditu* , Mariana C. Chifiriuc. <i>In vitro evaluation of MgB2 powders as novel tools to fight fungal biodeterioration of heritage buildings and objects</i> . Front. Mater., 13 January 2021, https://doi.org/10.3389/fmats.2020.601059	2021	0.669
2.	Razvan Bucuresteanu, Lia-Mara Ditu* , Monica Ionita, Ioan Calinescu, Valentin Raditoiu, Bogdan Cojocaru, Ludmila Otilia Cinteza, Carmen Curutiu, Alina Maria Holban, Marius Enachescu, Laura-Bianca Enache, Gabriel Mustatea, Viorel Chihai, Adela Nicolaev, Elena-Larisa Borcan and Grigore Mihaescu. Preliminary Study on Light-Activated Antimicrobial Agents as Photocatalytic Method for Protection of Surfaces with Increased Risk of infections. Materials 2021, 14, 5307. https://doi.org/10.3390/ma14185307	2021	0.541
3.	Spoială A., Ilie C., Truscă R.D., Oprea O.C., Surdu V.A., Vasile B.S., Ficai A., Ficai D., Andronescu E., Ditu L.M. Zinc oxide nanoparticles for water purification. Materials Open Access. 2021. Volume 14, Issue 162 August 2021 Article number 4747.	2021	0.541
4.	Spoială, Angela, Ilie, Cornelia-Ioana, Dolete, Georgiana, Truscă, Roxana-Doina, Motelică, Ludmila, Oprea, Ovidiu-Cristian, Ficai, Denisa, Ficai, Anton, Andronescu, Ecaterin, Dițu, Lia-Mara . <i>The development of antimicrobial chitosan/zno nanocomposite membranes for water purification</i> . Revista Romana de Materiale/ Romanian Journal of Materials. Volume 52, Issue 1, Pages 17 – 25, 2022. WOS:000781930600003	2021	0,077
5.	Spoială, A.; Ilie, C.-I.; Dolete, G.; Croitoru, A.-M.; Surdu, V.-A.; Truscă, R.-D.; Motelica, L.; Oprea, O.-C.; Ficai, D.; Ficai, A.; Andronescu, E.; Dițu, L.M. Preparation and Characterization of Chitosan/TiO2 Composite Membranes as Adsorbent Materials for Water Purification. Membranes 2022, 12, 804. https://doi.org/10.3390/membranes12080804 .	2022	0.528
6.	Lazar, V., Holban, A.-M., Curutiu, C., Ditu, L.M. Modulation of Gut Microbiota by Essential Oils and Inorganic Nanoparticles: Impact in Nutrition and Health. Frontiers in Nutrition, 2022, 9, 920413, ISSN 2296861X; DOI 10.3389/fnut.2022.920413.	2022	0.95

7.	Razvan Bucuresteanu, Monica Ionita, Viorel Chihai, Anton Ficai, Roxana-Doina Trusca, Cornelia-Ioana Ilie, Andrei Kuncser, Alina-Maria Holban, Grigore Mihaescu, Gabriela Petcu, Adela Nicolaev, Ruxandra M Costescu, Mihai Husch, Viorica Parvulescu, Lia-Mara Ditu* . <i>Antimicrobial Properties of TiO2 Microparticles Coated with Ca- and Cu-Based Composite Layers</i> . Int. J. Mol. Sci. 2022, 23(13), 6888; https://doi.org/10.3390/ijms23136888 .	2022	1.028
8.	Cornelia-Ioana Ilie, Eliza Oprea*, Elisabeta-Irina Geana, Angela Spoiala, Mihaela Buleandra, Gratiela Gradisteanu Pircalabioru, Irinel Adriana Badea, Denisa Ficai, Ecaterina Andronescu, Anton Ficai*, and Lia-Mara Ditu . <i>Bee Pollen Extracts: Chemical Composition, Antioxidant Properties, and Effect on the Growth of Selected Probiotic and Pathogenic Bacteria</i> . Antioxidants 2022, 11, 959. https://doi.org/10.3390/antiox11050959 .	2022	0.945
9.	Dolete, G.; Ilie, C.-I.; Chircov, C.; Purcăreanu, B.; Motelica, L.; Moroșan, A.; Oprea, O.C.; Ficai, D.; Andronescu, E.; Dițu, L.-M. <i>Synergistic Antimicrobial Activity of Magnetite and Vancomycin-Loaded Mesoporous Silica Embedded in Alginate Films</i> . Gels 2023, 9, 295. doi: 10.3390/gels9040295	2023	0.595
10.	Petrișor, G.; Motelica, L.; Ficai, D.; Ilie, C.-I.; Trușcă, R.D.; Surdu, V.-A.; Oprea, O.-C.; Mîrț, A.-L.; Vasilievici, G.; Semenescu, A.; Ficai, A.; Dițu, L.-M. <i>Increasing Bioavailability of Trans-Ferulic Acid by Encapsulation in Functionalized Mesoporous Silica</i> . Pharmaceutics 2023, 15, 660. doi: 10.3390/pharmaceutics15020660	2023	0.797
11.	Veronica Lazar, Eliza Oprea and Lia-Mara Ditu . <i>Resistance, Tolerance, Virulence and Bacterial Pathogen Fitness—Current State and Envisioned Solutions for the Near Future</i> . Pathogens 2023, 12, 746. https://doi.org/10.3390/pathogens12050746	2023	0.734
12.	Marcut, L.; Mohan, A.G.; Corneschi, I.; Grosu, E.; Paltanea, G.; Avram, I.; Badaluta, A.V.; Vasilievici, G.; Nicolae, C.-A.; Ditu, L.M. <i>Improving the Hydrophobicity of Plasticized Polyvinyl Chloride for Use in an Endotracheal Tube</i> . Materials 2023, 16, 7089. https://doi.org/10.3390/ma16227089	2023	0.509
13.	Neacsu, A.; Chihai, V.; Bucuresteanu, R.; Ficai, A.; Trusca, R.D.; Surdu, V.-A.; Nicolaev, A.; Cojocaru, B.; Ionita, M.; Calinescu, I.; Parvulescu, V.; Ditu, L.M. <i>Physicochemical Characterization of Ca- and Cu-Decorated TiO2 Microparticles and Investigation of Their Antimicrobial Properties</i> . Materials 2024, 17, 4483. https://doi.org/10.3390/ma17184483	2024	0.523
14.	Ilie, C.-I.; Spoiala, A.; Chircov, C.; Dolete, G.; Oprea, O.-C.; Vasile, B.-S.; Crainiceanu, S.A.; Nicoara, A.-I.; Marinas, I.C.; Stan, M.S.; Ditu L.M.* ; Ficai A.; Oprea E. <i>Antioxidant, Antitumoral, Antimicrobial, and Prebiotic Activity of Magnetite Nanoparticles Loaded with Bee Pollen/Bee Bread Extracts and 5-Fluorouracil</i> . Antioxidants 2024, 13, 895. https://doi.org/10.3390/antiox13080895 .	2024	1.187
15.	Mihai, M.-M.; Bălăceanu-Gurău, B.; Holban, A.M.; Ilie, C.-I.; Sima, R.M.; Gurău, C.-D.; Dițu, L.-M. <i>Promising Antimicrobial Activities of Essential Oils and Probiotic Strains on Chronic Wound Bacteria</i> . Biomedicines 2025, 13, 962.	2025	0.890
16.	Radulescu, D.M.; Vasile, B.S.; Surdu, V.A.; Trusca, R.D.; Ilie, C.I.; Popescu, R.C.; Andronescu, E.; Drumea, V.; Ditu, L.M. <i>Antimicrobial chitosan-silk fibroin scaffolds with green-synthesized metal oxide nanoparticles</i> . Journal of drug delivery science and technology, 2025, vol 114, 07463 https://doi.org/10.1016/j.jddst.2025.107463 IF=4.9	2025	0.622
17.	Badaluta, V.A.; Ionascu, A.; Ditu, L.M.* ; Curutiu, C.; Holban, A.M.; Oprea, E.; Kourkoutas, Y.; Mihai, M.M.; Cucu, C.I.; Hudita, A.; Marinescu, F.; Lazar, V. <i>Antimicrobial and immunomodulatory activity of natural bioactive compounds – an in vitro investigation with potential applications in managing Hidradenitis Suppurativa</i> . Front. Immunol., 12 August 2025, Volume 16, https://doi.org/10.3389/fimmu.2025.1608269 IF=5.9	2025	0.666
18.	Nicoară, A.-I.; Anton, A.V.; Trușcă, R.D.; Bîrcă, A.C.; Ilie, C.-I.; Dițu, L.-M. <i>Antibacterial Composites Based on Alginate/Egg White and ZnO Nanoparticles with the Addition of Essential Oils</i> . Gels 2025, 11, 459. https://doi.org/10.3390/gels11060459 . IF=5.3	2025	0.680
	Total AIS		12.482
	NUMĂR DE ARTICOLE AUTOR PRINCIPAL CU AIS DE CEL PUȚIN 0,3 IN ULTIMII 5 ANI		17
	TOTAL AIS în ultimii 5 ani (din articole cu AIS mai mare de 0,3)		12.405

- Minimum două granturi naționale în calitate de director (sau responsabil de proiect în cazul parteneriatelor) sau unul național (în calitate de director) și unul internațional (în calitate de responsabil național); se exclud burse de studiu, granturi pentru participare la congrese, proiecte din finanțarea de baza de ex. programul Nucleu.

Nr. Crt.	PROIECTE	Perioada de desfășurare
1.	Contractul de finanțare nr. 527PED/2020, cod proiect PN-III-P2-2.1-PED-2019-1825: Noi strategii antimicrobiene folosind compoziții pe bază de rășini cu proprietăți fotocatalitice (Total 600.000 lei, UB – 300.000) – Director de proiect	2020-2022
2.	Contractul de finanțare nr. 591PED/2022, Cod proiect: PN-III-P2-2.1-PED-2021-0627: Compozite multifuncționale inovatoare pentru protecția obiectelor aparținând patrimoniului cultural (Total 600.000 lei, UB- 150.000) – Responsabil de proiect Partener UB	2022-2024
3	Contractul de finanțare în curs de contractare, Cod Proiect PN-IV-P6-6.1-CoEx-2024-0120 Centre de excelență: Centrul de excelență în cercetare pentru promovarea neutralității și rezilienței climatice prin agricultura (Total 9.019.500 lei, Partenere UB-P3) – Persoană cheie	2026-2030

0	PARAMETRUL	Formule de calcul		
1.	Articole în reviste cotate ISI, ca autor principal (prim autor, autor corespondent, ultim autor)	$1 \times [4 + (7 \times AI_1) + c_1] + 1 \times [4 + (7 \times AI_2) + c_2] + \dots = 775.11$		
		AIS	Nr. citari (c) (web of science)	Punctaj
1.	Dițu L.M. , Chifiriuc M.C., Bezirtzoglou E., Voltsi C., Bleotu C., Pelinescu D., Mihăescu G., Lazăr V. 2011. <i>Modulation of virulence and antibiotic susceptibility of enteropathogenic Escherichia coli strains by Enterococcus faecium probiotic strain culture fractions</i> , Anaerobe. No 17(6), p 448-51.	0.893	31	41.251
2.	Dițu L.M. , Chifiriuc M.C., Pelinescu D., Avram I., Pârcălăbioru G. and Mihăescu G. 2014. <i>Class I and II Bacteriocins: Structure, Biosynthesis and Drug Delivery Systems for the Improvement of their Antimicrobial Activity</i> . Current Proteomics, VOL. 11 (2), 121-124.	0.269	8	13.883
3.	Dițu L.M. , Lazăr V., Grumezescu A.M. and Holban A.M. 2016. <i>Biopolymers Tailored For Intelligent Scaffolding and Drug Delivery</i> . Current Organic Chemistry. ISSN (Print): 1385-2728, ISSN (Online): 1875-5348, Volume 20.	0.459	0	7.213
4.	Fierascu I., Avramescu S.M., Fierascu R.C., Ortan A., Vasilievici G., Cîmpeanu C., Dițu L.M. 2017. <i>Micro-analytical and microbiological investigation of selected book papers from the 19th century</i> . Journal of Thermal Analysis and Calorimetry. 129 (3), p.1377-1387, DOI: 10.1007/s10973-017-6370-9. 1 citare	0.279	6	11.953
5.	Fierascu I., Georgiev M., Ortan A., Fierascu R.C., Avramescu S.M., Ionescu D., Sutan A., Brinzan A., Dițu L.M. 2017. <i>Phyto-mediated metallic nano-architectures via Melissa officinalis L.: synthesis, characterization and biological properties</i> . Scientific Report. 7, DOI: 10.1038/s41598-017-12804-7 2017.	1.356	52	65.492
6.	Telcian A., Mohammed Dya Hussien,, Chifiriuc M.C., Bleotu C., Holban A.M., Curuțiu C., Grosu E., Ficăi A., Mihăescu G., Grigore R., Dițu L.M. 2017. <i>Assessment of the anti-biofilm activity and biocompatibility of novel PE and PVC polymers</i> . Romanian Biotechnological Letters, 22 (5), p: 12997-13004.	0,065	19	23.455
7.	Fierascu, I., Fierascu, R.C., Somoghi, R., Ion, R.M., Moantă, A., Avramescu, S.M., Damian, C.M., Dițu, L.M. 2018. <i>Tuned apatitic materials: Synthesis, characterization and potential antimicrobial applications</i> . Applied Surface Science, Volume 438, p. 127-135.	0.671	19	27.697

8.	Fierascu I., Rădițoiu V., Nicolae C.A., Rădițoiu A., Dițu L.M. 2019. <i>Analytical Characterization and Potential Antimicrobial and Photocatalytic Applications of Metal-Substituted Hydroxyapatite Materials</i> . Analytical Letters, Vol. 52 (15), p. 2332-2347, DOI: 10.1080/00032719.2018.1528269.	0.202	3	8.414
9.	Limban C., Dițu L.M. *, Măruțescu L., Missir A.V., Chifiriuc M.C., Căproiu M.T., Morusciag L., Chiriță C., Udrea A.M., Nuță D.C. and Avram S. 2019. <i>Design, Synthesis and Biopharmacological Profile Evaluation of New 2-((4-Chlorophenoxy)methyl)-N-(Arylcarbamothioyl)Benzamides with Broad Spectrum Antifungal Activity</i> . Current Organic Chemistry, 23, pp. 1360-1372	0.342	3	9.394
10	Lemnar, G., Trușcă, R.D., Ilie, C.-I., Țiplea, R.E., Ficăi, D., Oprea, O., Stoica-Guzun, A., Ficăi, A., Dițu, L.M. 2020. <i>Antibacterial activity of bacterial cellulose loaded with bacitracin and amoxicillin: In vitro studies</i> . Molecules Open Access, Volume 25, Issue 18, September 2020, Article number 4069.	0.694	62	70.858
11	Boev, M.; Bahrim, G.; Chifiriuc, M.; Ditu, L.M. In Vitro Adherence and Anti-pathogens Effect of a Co-culture of Lactobacillus Plantarum and Lactobacillus Casei Cultivated in a Minimal Media Supplemented with Aloe Vera. JOURNAL OF CLINICAL GASTROENTEROLOGY, 54 (suppl. 1), p. S30-S31, ISSN 0192-0790.	1.018	0	11.126
12	Irina Gheorghe, Ionela Avram, Viorica Maria Corbu, Luminita Marutescu, Marcela Popa, Irina Balotescu, Ion Blajan, Venus Mateescu, Daniela Zaharia, Andreea-Stefania Dumbrava, Octavia Emilia Zetu, Ionut Pecete, Violeta Cristea, Dan Batalu, Mihai Alexandru Grigorescuta, Mihail Burdusel, Gheorghe V. Aldica, Peter Badica, Adina D. Datcu, Nicoleta Ianovici, Coralia Bleotu, Veronica Lazar, Lia-Mara Ditu* , Mariana C. Chifiriuc. <i>In vitro evaluation of MgB2 powders as novel tools to fight fungal biodeterioration of heritage buildings and objects</i> . Front. Mater., 13 January 2021, https://doi.org/10.3389/fmats.2020.601059	0.669	14	22.683
13	Razvan Bucuresteanu, Lia-Mara Ditu* , Monica Ionita, Ioan Calinescu, Valentin Raditoiu, Bogdan Cojocaru, Ludmila Otilia Cinteza, Carmen Curutiu, Alina Maria Holban, Marius Enachescu, Laura-Bianca Enache, Gabriel Mustatea, Viorel Chihai, Adela Nicolaev, Elena-Larisa Borcan and Grigore Mihaescu. Preliminary Study on Light-Activated Antimicrobial Agents as Photocatalytic Method for Protection of Surfaces with Increased Risk of infections. Materials 2021, 14, 5307. https://doi.org/10.3390/ma14185307	0.541	6	13.787
14	Spoială A., Ilie C., Trușcă R.D., Oprea O.C., Surdu V.A., Vasile B.S., Ficăi A., Ficăi D., Andronescu E., Ditu L.M. Zinc oxide nanoparticles for water purification. Materials Open Access. 2021. Volume 14, Issue 162 August 2021 Article number 4747.	0.541	66	73.787
15	Spoială, Angela, Ilie, Cornelia-Ioana, Dolete, Georgiana, Trușcă, Roxana-Doina, Motelică, Ludmila, Oprea, Ovidiu-Cristian, Ficăi, Denisa, Ficăi, Anton, Andronescu, Ecaterin, Dițu, Lia-Mara . <i>The development of antimicrobial chitosan/zno nanocomposite membranes for water purification</i> . Revista Romana de Materiale/ Romanian Journal of Materials. Volume 52, Issue 1, Pages 17 – 25, 2022. WOS:000781930600003	0,077	4	8.539
16	Georgiana-Madalina LEMNARU (POPA) , Ludmila MOTELICA, Roxana Doina TRUSCA, Cornelia Ioana ILIE, Denisa FICAI , Ovidiu OPREA , Anicuta STOICA-GUZUN, Anton FICAI , Gabriel CONSTANTINESCU, Lia-Mara DITU . Bacterial cellulose membranes loaded with cinnamon essential oil. U.P.B. Sci. Bull., Series B, Vol. 84, Iss. 4, 2022. ISSN 1454-2331	0	1	5
17	Spoială, A.; Ilie, C.-I.; Dolete, G.; Croitoru, A.-M.; Surdu, V.-A.; Trușcă, R.-D.; Motelica, L.; Oprea, O.-C.; Ficăi, D.; Ficăi, A.; Andronescu, E.; Dițu, L.M. Preparation and Characterization of Chitosan/TiO2 Composite Membranes as Adsorbent Materials for Water Purification. Membranes 2022, 12, 804. https://doi.org/10.3390/membranes12080804 .	0.528	76	83.696
18	Lazar, V., Holban, A.-M., Curutiu, C., Ditu, L.M. Modulation of Gut Microbiota by Essential Oils and Inorganic Nanoparticles: Impact in Nutrition and Health. Frontiers in Nutrition, 2022, 9, 920413, ISSN 2296861X; DOI 10.3389/fnut.2022.920413.	0.95	21	31.65

19	Razvan Bucuresteanu, Monica Ionita, Viorel Chihaiia, Anton Ficai, Roxana-Doina Trusca, Cornelia-Ioana Ilie, Andrei Kuncser, Alina-Maria Holban, Grigore Mihaescu, Gabriela Petcu, Adela Nicolaev, Ruxandra M Costescu, Mihai Husch, Viorica Parvulescu, Lia-Mara Ditu* . <i>Antimicrobial Properties of TiO2 Microparticles Coated with Ca- and Cu-Based Composite Layers</i> . Int. J. Mol. Sci. 2022, 23(13), 6888; https://doi.org/10.3390/ijms23136888 .	1.028	9	20.196
20	Cornelia-Ioana Ilie, Eliza Oprea*, Elisabeta-Irina Geana, Angela Spoiala, Mihaela Buleandra, Gratiela Gradisteanu Pircalabioru, Irinel Adriana Badea, Denisa Ficai, Ecaterina Andronescu, Anton Ficai*, and Lia-Mara Ditu . <i>Bee Pollen Extracts: Chemical Composition, Antioxidant Properties, and Effect on the Growth of Selected Probiotic and Pathogenic Bacteria</i> . Antioxidants 2022, 11, 959. https://doi.org/10.3390/antiox11050959 .	0.945	39	49.615
21	Dolete, G.; Ilie, C.-I.; Chircov, C.; Purcăreanu, B.; Motelica, L.; Moroșan, A.; Oprea, O.C.; Ficai, D.; Andronescu, E.; Dițu, L.-M. <i>Synergistic Antimicrobial Activity of Magnetite and Vancomycin-Loaded Mesoporous Silica Embedded in Alginate Films</i> . Gels 2023, 9, 295. doi: 10.3390/gels9040295	0.595	9	17.165
22	Petrișor, G.; Motelica, L.; Ficai, D.; Ilie, C.-I.; Trușcă, R.D.; Surdu, V.-A.; Oprea, O.-C.; Mîrț, A.-L.; Vasilevici, G.; Semenescu, A.; Ficai, A.; Dițu, L.-M. <i>Increasing Bioavailability of Trans-Ferulic Acid by Encapsulation in Functionalized Mesoporous Silica</i> . Pharmaceutics 2023, 15, 660. doi: 10.3390/pharmaceutics15020660	0.797	29	38.579
23	Veronica Lazar, Eliza Oprea and Lia-Mara Ditu . <i>Resistance, Tolerance, Virulence and Bacterial Pathogen Fitness—Current State and Envisioned Solutions for the Near Future</i> . Pathogens 2023, 12, 746. https://doi.org/10.3390/pathogens12050746	0.734	24	33.138
24	Marcut, L.; Mohan, A.G.; Corneschi, I.; Grosu, E.; Paltanea, G.; Avram, I.; Badaluta, A.V.; Vasilevici, G.; Nicolae, C.-A.; Ditu, L.M. <i>Improving the Hydrophobicity of Plasticized Polyvinyl Chloride for Use in an Endotracheal Tube</i> . Materials 2023, 16, 7089. https://doi.org/10.3390/ma16227089	0.509	6	13.563
25	Neacsu, A.; Chihaiia, V.; Bucuresteanu, R.; Ficai, A.; Trusca, R.D.; Surdu, V.-A.; Nicolaev, A.; Cojocaru, B.; Ionita, M.; Calinescu, I.; Parvulescu, V.; Ditu, L.M. <i>Physicochemical Characterization of Ca- and Cu-Decorated TiO2 Microparticles and Investigation of Their Antimicrobial Properties</i> . Materials 2024, 17, 4483. https://doi.org/10.3390/ma17184483	0.523	0	7.661
26	Ilie, C.-I.; Spoiala, A.; Chircov, C.; Dolete, G.; Oprea, O.-C.; Vasile, B.-S.; Crainiceanu, S.A.; Nicoara, A.-I.; Marinas, I.C.; Stan, M.S.; Ditu L.M.* ; Ficai A.; Oprea E. <i>Antioxidant, Antitumoral, Antimicrobial, and Prebiotic Activity of Magnetite Nanoparticles Loaded with Bee Pollen/Bee Bread Extracts and 5-Fluorouracil</i> . Antioxidants 2024, 13, 895. https://doi.org/10.3390/antiox13080895 .	1.187	9	21.309
27	Mihai, M.-M.; Bălăceanu-Gurău, B.; Holban, A.M.; Ilie, C.-I.; Sima, R.M.; Gurău, C.-D.; Dițu, L.-M. <i>Promising Antimicrobial Activities of Essential Oils and Probiotic Strains on Chronic Wound Bacteria</i> . Biomedicines 2025, 13, 962.	0.890	4	14.23
28	Radulescu, D.M.; Vasile, B.S.; Surdu, V.A.; Trusca, R.D.; Ilie, C.I.; Popescu, R.C.; Andronescu, E.; Drumea, V.; Ditu, L.M. <i>Antimicrobial chitosan-silk fibroin scaffolds with green-synthesized metal oxide nanoparticles</i> . Journal of drug delivery science and technology, 2025, vol 114, 07463 https://doi.org/10.1016/j.jddst.2025.107463	0.622	2	10.354
29	Badaluta, V.A.; Ionascu, A.; Ditu, L.M.* ; Curutiu, C.; Holban, A.M.; Oprea, E.; Kourkoutas, Y.; Mihai, M.M.; Cucu, C.I.; Hudita, A.; Marinescu, F.; Lazar, V. <i>Antimicrobial and immunomodulatory activity of natural bioactive compounds – an in vitro investigation with potential applications in managing Hidradenitis Suppurativa</i> . Front. Immunol., 12 August 2025, Volume 16, https://doi.org/10.3389/fimmu.2025.1608269	0.666	0	8.662
30	Nicoară, A.-I.; Anton, A.V.; Trușcă, R.D.; Bîrcă, A.C.; Ilie, C.-I.; Dițu, L.-M. <i>Antibacterial Composites Based on Alginate/Egg White and ZnO Nanoparticles with the Addition of Essential Oils</i> . Gels 2025, 11, 459. https://doi.org/10.3390/gels11060459 .	0.680	2	10.76
2.	Articole în reviste cotate ISI, ca și contributor	0,7 x [4 + (7 x AI₁) + c₁] + 0,7 x [4 + (7 x AI₂) + c₂] +.....= 1327.19		

1.	Chifiriuc, M.; Veronica, L.; Dracea, O.; Ditu, L.-M. ; Smarandache, D.; Bucur, M.; Larion, C.; Ramona, C.; Sasarman, E. Drastic Attenuation of Pseudomonas aeruginosa Pathogenicity in a Holoxenic Mouse Experimental Model Induced by Subinhibitory Concentrations of Phenyllactic acid (PLA). <i>Int. J. Mol. Sci.</i> 2007 , <i>8</i> , 583-592. https://doi.org/10.3390/i8070583	0.7	13	15.33
2.	Iordache F., Grumezescu V., Grumezescu A.M., Curuțiu C., Dițu L.M. , Socol G., Ficăi A., Trușcă R., Holban A.M.. 2015. <i>Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to Staphylococcus aureus colonization</i> , <i>Applied Surface Science</i> , 336, pp. 407-412.	0.574	32	28.0126
3.	Găidau C., Petica A., Iordache O., Dițu L.M. , Ionescu M. 2016. <i>Enhanced photocatalysts based on Ag-TiO₂ and Ag-N-TiO₂ nanoparticles for multifunctional leather surface coating</i> . <i>Open Chemistry</i> , Ref.: Ms. No. OPENCHEM-D-16-00086R1.	0.319	42	33.7631
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56	Stancu, A. I., Mititelu, M., Ficăi, A., Dițu, L.-M. , Buleandră, M., Badea, I. A., Pincu, E., Stoian, M. C., Brîncoveanu, O., Boldeiu, A., & Oprea, E. (2025). Comparative Evaluation of β -Cyclodextrin Inclusion Complexes with Eugenol, Eucalyptol, and Clove Essential Oil: Characterisation and Antimicrobial Activity Assessment for Pharmaceutical Applications. <i>Pharmaceutics</i> , 17(7), 852. https://doi.org/10.3390/pharmaceutics17070852	0.901	1	7.9149
57	Mihaescu, G.; Gradisteanu Pircalabioru, G.; Roznovan, C.N.; Dițu, L.-M. ; Comanici, M.M.; Savu, O. Interferons in Autoimmunity: From Loss of Tolerance to Chronic Inflammation. <i>Biomedicines</i> 2025, 13, 2472. https://doi.org/10.3390/biomedicines13102472	0.890	1	7.861
3.	Articole publicate în reviste indexate BDI, ca autor principal	(1 + c₁) + (1 + c₂) + = 91		
1.	Nemțanu M., Minea R., Mazilu E., Setnic S., Mitru E., Balotescu M.C., Bucur M., Oproiu C., Mihăescu G., Dițu L.M. 2007. <i>Effects of Ionizing Radiation on the Antioxidant and Antimicrobial Activities of Sea Buckthorn Oil</i> . International Medicinal and Aromatic Plants Conference on Culinary Herb, Acta Horticulturae, 58, p. 128–135.		3	4
2.	Dițu L.M. , Mariana Carmen Chifiriuc, Diana Pelinescu, Ionela Avram, Veronica Lazăr, Grigore Mihăescu. 2014. <i>Two-Component Regulatory Systems – implication in the quorum sensing mechanisms and bacteriocin production in lactic acid bacteria</i> . Biointerface Research in Applied Chemistry, vol 4(4), 813-815, ISSN 2069-5837.		31	32
3.	Dițu L.M. , Chifiriuc C., Bezirtzoglou E., Măruțescu L., Bleotu C., Pelinescu D., Mihăescu G. and Lazăr V. 2014. <i>Immunomodulatory effect of non-viable components of probiotic culture stimulated with heat-inactivated Escherichia coli and Bacillus cereus on holoxenic mice</i> . Microbial Ecology in Health and Disease, 25:23239.		12	13
4.	Nituica, M ((Vilsan); Sonmez, M.; Stelescu, M.D.; Gurau, D.Curutiu, C.; Dițu L.M. 2017. <i>Polymer nanocomposite based on silicone rubber reinforced with nanoparticles processed by vulcanization</i> . University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science. 2017. Volume: 79 Issue: 4 Pages: 63-72.		19	20
5.	Constantin Opran, Veronica Lazăr, Radu Claudiu Fierascu, and Dițu L.M. 2018. <i>Research regarding biodegradable properties of food polymeric products under microorganism activity</i> . AIP Conference Proceedings 1932, 030029 (2018); https://doi.org/10.1063/1.5024179 .		21	22
4.	Articole publicate în reviste indexate BDI, ca și contributor	0,7 x (1 + c₁) + (1 + c₂)... = 17.5		
1.	Bădiceanu D., Dițu L.M. , Mihăescu G., 2008, <i>Antimicrobial activity of some new 2-thiophene carboxylic acid thioureides</i> . Roum. Biotech. Lett., 15(5), pp. 5545-5551.		6	4.9
2.	Pelinescu D, Chifiriuc M.C., Dițu L.M. , Sârbu I., Bleotu C., Vassu T., Stoica I., Lazăr V., Corcionivoschi N., Sasarman E. 2011. <i>Selection</i>		10	7.7

	<i>and characterization of the probiotic potential of some lactic acid bacteria isolated from infant feces</i> . Roum. Biotech. Lett., vol. 16 (3): 6178-6189.		
3.	Bădiceanu C.D., Missir, A.V., Chifiriuc, M.C., Drăcea, O., Rauț, I., Larion, C., Dițu, L. , Mihăescu, G. 2011. <i>Antimicrobial activity of some new 2-thiophene carboxylic acid thioureides</i> . Roum. Biotech. Lett., Volume 15, 5545-5551. Citari 6	6	4.9
5.	Cărți în edituri internaționale de prestigiu	(100 + c) : n = 0	
		Nr. citari (c)	n – numar de autori
	1.		
6.	Cărți în alte edituri internaționale	(40 + c) : n = 0	
		Nr. citari (c)	n – numar de autori
	1.		
7.	Cărți în Editura Academiei Române	(40 + c) : n = 16	
		Nr. citari (c)	n – numar de autori
	1. Mihăescu G., Chifiriuc M.C., Dițu L.M. , 2007, <i>Antibiotice și substanțe chimioterapeutice antimicrobiene</i> , Editura Academiei Române, București, 357 p. ISBN 978-973-27-1573-4.	8	16
8.	Cărți la Edituri Universitare	(20 + c) : n = 19.33	
		Nr. citari (c)	n – numar de autori
1.	Mihăescu G., Chifiriuc C., Dițu L.M. , 2009, <i>Imunobiologie</i> , Ed. Univ. București, 572 p. ISBN – 978-973-737-734-0	2	7.33
2.	Mihăescu G., Chifiriuc C., Dițu L.M., 2007, <i>Microbiologie generală</i> , Ed. Univ. din București, 552 p. ISBN-9789737372689.	1	7
3.	Prof. Dr. Grigore MIHĂESCU, Conf. Dr. Lia-Mara DIȚU , Conf. Dr. GrațIELA GRĂDIȘTEANU, Prof. Dr. Mariana Carmen CHIFIRIU, <i>Virologie</i> . Editura Medicală 2025. ISBN 978-973-39-0881-4	0	5
9.	Cărți în alte edituri din țară	(20 + c) : n = 9	
		Nr. citari (c)	n – numar de autori
1.	Gheorghe I., Dițu L.M. , Mitache M.M., Avram I. 2019. Manual de micologie aplicată. Editura Universității “Titu Maiorescu”, Editura Hamangiu. ISBN: 978-606-767-065-3.	0	5
2.	Mihaela Magdalena Mitache Carmen Curuțiu, Irina Gheorghe, Lia-Mara Dițu , Alina-Maria Holban. <i>Colorații uzuale în laboratorul de microbiologie</i> . Mic ghid practic, Editura Universității “Titu Maiorescu” Editura Hamangiu București, 2019, ISBN: 978-606-27-1309-6/ 978-606-767-066-0	0	4
10.	Capitole în volume la edituri internaționale de prestigiu	(50 + c) : n = 128.90	
		Nr. citari (c)	n – numar de autori
1.	Veronica Lazăr, Teodora Colța, Luminița Măruțescu, Lia-Mara Dițu and Mariana Carmen Chifiriuc. <i>New antiinfectious strategy based on antimicrobial and quorum sensing inhibitors from vegetal extracts and propolis, Microbial pathogens and strategies for combating them: science, technology and education</i> , Vol II, A. Méndez-Vilas, Ed., 2014, ISBN-13 Vol. 2: 978-84-942134-0-3.	11	12.2

2.	Carmen Mariana Chifiriuc, Anton Ficai, Alexandru Mihai Grumezescu, Lia-Mara Dițu , Marcela Popa, Carmen Iordache, Alina Maria Holban, Șerban Vifor Gabriel Bereșteanu, Raluca Grigore and Veronica Lazăr. <i>Soft tissue engineering and microbial infections: challenges and perspectives. Nanobiomaterials in Soft Tissue Engineering Applications of Nanobiomaterials</i> , Elsevier, Chapter 1, p. 1-29, edited by Alexandru Grumezescu, 2016, ISBN: 978-0-323-42865-1.	16	11	6
3.	Alina Maria Holban, Ecaterina Andronescu, Carmen Curuțiu, Lia Mara Dițu , Mariana Carmen Chifiriuc and Veronica Lazăr. 2016. <i>Bioactive nanomaterials for cartilage and muscle regeneration. Nanobiomaterials in Soft Tissue Engineering Applications of Nanobiomaterials</i> , Elsevier, Chapter 10, p. 261-297, edited by Alexandru Grumezescu, 2016, ISBN: 978-0-323-42865-1.	1	6	8.5
4.	Mariana Carmen Chifiriuc, Alina Maria Holban, Carmen Curuțiu, Lia-Mara Dițu , Grigore Mihăescu, Alexandra Elena Oprea, Alexandru Mihai Grumezescu, Veronica Lazăr. <i>Antibiotics drug delivery systems for the intracellular targeting of bacterial pathogens. Smart Drug Delivery System</i> , chapter 11, edited by Alexandru Grumezescu, 2016, ISBN 978-953-51-2247-0.	0	8	6.25
5.	Florin Iordache, Irina Gheorghe, Veronica Lazăr, Carmen Curuțiu, Lia Mara Dițu , Alexandru Mihai Grumezescu, Ana Maria Holban. <i>Nanostructured materials for prolonged and safe food preservation. Food Preservation</i> , Chapter 9, Elsevier, p. 305-331, edited by Alexandru Grumezescu, 2016, ISBN 978-0-12-804303-5	22	7	10.28
6.	Delia Albuleț, Denisa A. Florea, Bianca Boarcă, Lia M. Dițu , Mariana C. Chifiriuc, Alexandru M. Grumezescu, Ecaterina Andronescu. <i>Nanotechnology for personalized medicine: cancer research, diagnosis, and therapy. Nanostructures for Cancer Therapy</i> , Chapter 1, p. 1-17, 2017, edited by Anton Ficai, Alexandru Grumezescu, 2016, ISBN: 978-0-323-46144-3.	22	8	9
7.	Lia-Mara Dițu , Irina Gheorghe. <i>Introduction in Soft Chemistry and Food Fermentation. Soft Chemistry and Food Fermentation</i> , Chapter 1, vol 3, Elsevier, Editors: Alexandru Grumezescu Alina Maria Holban, acceptat spre publicare in 1 decembrie 2016, Paperback ISBN: 9780128114124.	9	2	29.5
8.	Lia-Mara Dițu , Madalina Elena Grigore, Petronela Camen Comănescu, Alina Maria Holban. <i>Therapeutic, Introduction in Nutraceutical and Medicinal Foods; Probiotic and Unconventional Foods</i> , 1st Edition. Elsevier. Editors: Alexandru Grumezescu Alina Maria Holban, Paperback ISBN: 9780128146255, Imprint: Academic Press, Published Date: 1st May 2018, Page Count: 528. https://www.elsevier.com/books/therapeutic-probiotic-and-unconventional-foods/grumezescu/978-0-12-814625-5	0	4	12.5
9.	Gheorghe I., Anastasiu P., Ditu L.M. <i>Advanced Biodegradable Materials for Water and Beverages Packaging; Bottled and Packaged Water</i> . Editors: Grumezescu A.M., Holban A.M. Elsevier, Print ISBN: 978-0-12-815272-0, 2018.	3	3	17.66
10.	Gheorghe I., Carmen Curutiu and Lia-Mara Ditu . <i>Therapeutic nanostructures: novel approaches. CHAPTER 1 in Materials for Biomedical Engineering, Bioactive Materials for Antimicrobial, Anticancer, and Gene Therapy</i> , Edited by Alina-Maria Holban and Alexandru Mihai Grumezescu, Elsevier, Print ISBN: 978-0-12-818435-6, 2019.	1	3	17
11.	Capitole în volume la alte edituri internaționale	(20 + c) : n = 19.76		
		Nr. citari (c)	n – numar de autori	punctaj
1.	Lazar V, Ditu LM , Curutiu C, Gheorghe I, Holban A, Popa M, Chifiriuc C. 2017. <i>Impact of Dental Plaque Biofilms in Periodontal Disease: Management and Future Therapy In Periodontitis A Useful Reference</i> , Ed Arjunan P, ISBN 978-953-51-3605-7, InTech Open.	30	7	7.14
2.	Chifiriuc, M.C.; Holban, Alina Maria; Curutiu, Carmen; Ditu, Lia-Mara ; Mihaescu, Grigore; Oprea, Alexandra	35	8	6.87

	Elena; Grumezescu, Alexandru Mihai; Lazar, Veronica. 2016. <i>Antibiotic drug delivery systems for the intracellular targeting of bacterial pathogens. Smart drug delivery system.</i> pp. 305-344. IntechOpen			
3.	Ditu L.M. , Bucuresteanu R., Ionita M., Neacsu A., Calinescu I. <i>Antimicrobial and Antibiofilm Properties of Nanocomposite Surfaces with Biomedical Applications.</i> Chapter in Nanocomposites - Properties, Preparations and Applications, IntechOpen Open Access books, Print ISBN: 978-0-85014-081-1, 2024. https://www.intechopen.com/chapters/89605	3	4	5.75
12.	Capitole în cărți/volume la edituri naționale	(10 + c) : n = 3.33		
		Nr. citari (c)	n – numar de autori	punctaj
1.	Mihăescu G., Chifiriuc C., Lazăr V., 2013, <i>Principii și tehnici de analiză imunologică și moleculară utilizate în laboratorul clinic (Ditu Lia-Mara, contribuție capitol I. Imunoserologie)</i> , Ed. Univ. București, 321 p, ISBN 978-606-16-0264-3.	0	3	3.33
13.	Editor/redactor/coordonator cărți în edituri internaționale de prestigiu	(50 + c) : n = 0		
		Nr. citari (c)	n – numar de autori	Pun,ctaj
1.				
14.	Editor/redactor/coordonator cărți la alte edituri internaționale	(30 + c) : n = 0		
		Nr. citari (c)	n – numar de autori	punctaj
1.				
15.	Editor/redactor/coordonator cărți la edituri naționale	(20 + c) : n = 0		
		Nr. citari (c)	n – numar de autori	punctaj
1.				

Parametrul	Standarde minimale CNATDCU Prof/CSI	Punctaj obținut	Îndeplinirea standardului
Punctaj cumulativ 1-2 - Recunoaștere internațională	150/180	2102.3	Îndeplinit
Punctaj cumulativ indici 1-15 – Performanță totală	250/300	2407.12	Îndeplinit

Data: 27.01.2026

Nume, prenume
Dițu Lia-Mara

