

**Director CSUD,  
Prof. dr. Anca-Mirela ANDREICA**

**Director SD Fizică,  
Prof. Dr. Vasile Chiș**

### **Fișa de verificare**

**privind îndeplinirea standardelor minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și al gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare**

**Comisia: Fizică**

**Candidat: CS I Andreea Maria IORDACHE**

**Punctaj realizat conform metodologiei publicate în Ordinul Ministrului Educației Naționale și Cercetării Științifice nr. 6.129/20.12.2016:**

1. Activitatea didactică și profesională: **A = 52,60**

2. Activitatea de cercetare: **I = 5,832; P = 10,953**

3. Recunoașterea impactului activității: **C = 187,101**

Indicele Hirsch: **h = 16**

Punctajul total CNATDCU:  **$T = A+P/2+I/2+C/20+h/5 = 73,54764286$**

## 1. Activitatea didactică și profesională

Nr. crt.	Tipul activităților	Indicatori
1	<p><b>1.2 Capitle de carti in edituri internationale recunoscute Web of Science in calitate de autor/Review-uri in reviste cotate ISI</b></p> <ul style="list-style-type: none"> <li>- Cezara Voica, Ioana Feher, <b>Andreea Maria Iordache</b>, Evaluation of Metal Concentration in Herbal Tea Beverages by ICP-MS and Chemometrics Techniques, Chapter 6, Book Quality Control in the Beverage Industry, Pages 205-224, i, 1st Edition, Volume 17: The Science of Beverages, Editors: Alexandru Grumezescu Alina-Maria Holban, Woodhead Publishing – Elsevier, Paperback ISBN: 9780128166819, eBook ISBN: 9780128166826, Imprint: Academic Press, Romania, Published Date: 15th August 2019.</li> </ul>	0,33
2	<p><b>1.5. Capitle de carti in edituri nationale sau alte edituri internationale ca autor</b></p> <ul style="list-style-type: none"> <li>- Oana Romina Botoran, Roxana Elena Ionete, Corina Teodora Ciucure, Alexandru Cîrîc, Diana Costinel, Elisabeta Irina Geană, <b>Andreea Maria Iordache</b>, Alexandru Moisac, Claudia Șandru (2025) Metode Analitice pentru Evaluarea Siguranței și Compoziției Fructelor Produse în Sistem Organic – COMPENDIU. Validare – Studiu de caz „Zmeura”, 114 pagini, ISBN: 978-973-0-41400-4, Institutul Național de Cercetare-Dezvoltare pentru Tehnologii Criogenice și Izotopice – ICSI Rm. Vâlcea, Rm. Vâlcea, 2025, Romania</li> <li>- Cezara Voica, <b>Andreea Maria Iordache</b>, (2025) Chapter 7: Analysis of Strontium and Lead Isotopic Ratios in Environmental Matrices Using ICP-MS, in book: Geography, Earth Science and Environment: Research Highlights, Vol. 8, pp. 142-154, DOI: <a href="https://doi.org/10.9734/bpi/geserh/v8/4862">https://doi.org/10.9734/bpi/geserh/v8/4862</a>, Print ISBN: 978-93-49729-94-0, eBook ISBN: 978-93-49729-43-8, BP International, Romania</li> <li>- Cezara Voica, Olivian Marincas, Ioana Feher, &amp; <b>Andreea Maria Iordache</b>. (2025). Chapter 5: River Water Chemistry in Romania: An Overview. Chemistry and Biochemistry: Research Progress Vol. 5, 48-62, <a href="https://doi.org/10.9734/bpi/cbrp/v5/4863">https://doi.org/10.9734/bpi/cbrp/v5/4863</a>, ISBN: 978-93-49729-89-6, eBook ISBN: 978-93-49729-51-3, BP International, Romania</li> <li>- Voica, C., Roba, C., <b>Iordache, A.M.</b>, 2024. Health Risk Assessment of Heavy Metals in Selected Root Vegetables. Innovations in Biological Science Vol. 3, 50–64. <a href="https://doi.org/10.9734/bpi/ibs/v3/3428G">https://doi.org/10.9734/bpi/ibs/v3/3428G</a></li> <li>- Cezara Voica, Gabriela Cristea, <b>Andreea Maria Iordache</b>, Metal content and stable isotope determinations in daily food from the Romanian Market", in book "Current Perspectives in Agriculture and Food Science", vol.3, 1-17, Editor Publisher Book Publisher International; Edited by Dr. Muhammad Shehzad; India, DOI 10.9734/bpi/cpafs/v3/5113E, published 2023, ISBN 978-81-19217-13-7 (Print); 978-81-19217-15-1 (eBook), Editura Publisher International</li> <li>- Niculina Sonia Șuvar, <b>Andreea Maria Iordache</b>, Constantin Nechita, Cornelia Mesaroș, Paula Podea, Monica Culea, Studii asupra unor compuși biologici activi și toxici prin metode spectroscopice, ISBN: 978-606-37-1165-7, 12 iulie 2021, Presa Universitară Clujeană, Romania</li> <li>- Cezara Voica, <b>Andreea-Maria Iordache*</b>, Roxana Elena Ionete, Ioan Ștefănescu, Aspects on the accumulation of trace metals in various environmental matrices (Water, Soil, Plant and Sediments): Case study on catchment are of the Somes River, Romania, Water Quality, chapter 12, page 269-291, Book edited by Hlanganani Tutu, ISBN 978-953-51-2882-3, print ISBN 978-953-51-2881-6, 2017. <a href="http://dx.doi.org/10.5772/65700">http://dx.doi.org/10.5772/65700</a></li> <li>- <b>Iordache Andreea</b>, Monica Culea, Corelia Mesaroș, Ioan Ștefănescu, Aplicații biomedicale și ecologice prin spectrometrie de masă, Editura Risoprint, Cluj-Napoca, ISBN: 978-973-53-0784-4, 543.421, 2012</li> <li>- Mesaros Cornelia, Monica Culea, <b>Iordache Andreea</b>, Diagnosticare prin GC-MS, Editura Risoprint, Cluj-Napoca, ISBN: 978-973-53-0762-2, 543.544, 2012.</li> </ul>	0,03 0,10 0,05 0,07 0,07 0,04 0,05 0,05 0,07
3	<p><b>1.9. Director/responsabil/coordonator pentru programe de studii, programe de formare continua, proiecte educationale si proiecte de infrastructura (proiectele de cercetare se exclud)</b></p> <ul style="list-style-type: none"> <li>- Proiect international POST-UP CZ.1.07/2.3.00/30.0004 — "Support for the creation of excellent research teams and intersectoral mobility at Palacký University in Olomouc, Palacky University, Faculty of Science, Czech Republic" 2012-2015, Persoana cheie-participare realizare proiect internațional -mobilitate</li> </ul>	0,50

4	<p><b>1.10 Director/responsabil pentru proiecte de cercetare in valoare Vi EURO castigate prin competitie nationala sau internationala (proiectele de la punctul 9 se exclud). Sumele in lei sau in alte valute se convertesc in EURO la cursul mediu din anul respectiv conform <a href="http://www.bnr.ro">www.bnr.ro</a> pentru perioada de dupa 1999 si la cursul din 1999 pentru perioada anterioara. Responsabilii de proiect sunt cei care conduc o echipa de cercetare, fiind mentionati ca atare in proiectul depus; in cazul lor se considera doar suma aferenta echipei conduse</b></p> <ul style="list-style-type: none"> <li>- Contract nr. 20N/2023 (2023-2026) - Dezvoltarea tehnologiei inovative de separare a izotopilor litiului prin electromobilitate și algoritmi de inteligență artificială, Suma totală: 8.185.783 lei, Curs mediu BNR. Perioada derulată 05.1.2023-24.11.2026. <span style="float: right;">16,43</span></li> <li>- Contract de servicii nr. 5330/ 17.05.2022 - Servicii pentru etalonare și umplere canistre cu etaloane de apa grea. Suma totala: 237.437 lei, Curs mediu BNR. Perioada 2022. <span style="float: right;">0,48</span></li> <li>- Contract de servicii nr. 626/24.05.2021 – Servicii de analize de mediu. Suma totala: 102.816 Lei, Curs mediu BNR. Perioada 2021. <span style="float: right;">0,26</span></li> <li>- Contract de servicii și furnizare nr. 41/25.01.2019 - Servicii pentru etalonare și umplere canistre cu etaloane de apă grea. Suma totala: 213.698 Lei, Curs mediu BNR. Perioada derulată 2019. <span style="float: right;">0,45</span></li> <li>- PN ctr. Nr. 9N/2019-2022 — Tehnici avansate pentru identificarea surselor de contaminare și a reacțiilor biochimice în ecosistemele acvatice. Suma totala: 11.000.000 Lei, Curs mediu BNR. Perioada derulată 16.04.2019-14.04.2022. <span style="float: right;">22,65</span></li> <li>- PN ctr. nr. 1N/2018 — Evaluarea impactului deversărilor de ape uzate asupra mediului prin investigații analitice avansate bazate pe tehnici nucleare și conexe. Suma totala: 2.500.000 Lei, Curs mediu BNR. Perioada derulată 04.01.2018-10.12.2018. <span style="float: right;">5,37</span></li> <li>- Ctr. nr. 32-127/2008 Proiect PN II — Determinarea mecanismului prin care poluanți la nivel de urme, organici și anorganici, cu potențial toxic, pot pătrunde în apele care alimentează mari aglomerări urbane din județele Cluj și Sălaj. Suma totala: 1.940.900 Lei, Curs mediu BNR. Perioada derulată 2008-2011. <span style="float: right;">5,27</span></li> <li>- Ctr. nr. 1376/2015 - Servicii de etalonare și umplere canistre cu etaloane de apă grea. 2016-2019, Responsabil contract de servicii și furnizare. Suma totala: 295.598 Lei. Curs mediu BNR. Perioada derulată 2016. <span style="float: right;">0,66</span></li> </ul>	
	<b>Total A =</b>	<b>52,60</b>

Nr. crt.	Autori	Titlu articol	Revista	An	Vol.	Pag. Start	Pag. Sfarșit	Nr. autori	N_ef	AIS	I=AIS/N_ef	Nr. citari	C=Nr. cit/N_ef	Prim (0 sau 1)	P=AIS_Prim_i
1	Koç İsmail, Sevik Hakan, Nechita Constantin, Canturk Ugur, <b>Iordache Andreea Maria</b> , Camarero J. Julio	Selenium bioaccumulation in industrialized urban forests: case study of five tree species used for phytoremediation	Urban Ecosystems	2026	29(2)	1	16	7	6	0,650	0,108	0	0,045	0	0,000
2	Geani Teodor Man, <b>Andreea Maria Iordache</b> , Diana Ionela Popescu (Stegarus), Ionela Ramona Zgavaroșea, Nicoleta Anca Sutan	Thorium Valorization at the Interface of Technology, Risk, and Sustainability	Toxics	2026	14(3)	1	31	5	5	0,824	0,165	0	0,040	0	0,000
3	Nechita Constantin, <b>Iordache Andreea Maria</b> , Roba Carmen, Pluhacek Tomas, Koc Ismail, Ionete Roxana Elena, Camarero J. Julio	Nutrient imbalances caused by industrial pollution were not affected by extreme climate events	Journal of Hazardous Materials Advances	2026	21	1	11	8	6,5	1,167	0,180	0	0,023	0	0,000
4	Voica Cezara, Ioana Feher, Romulus Puscas, <b>Andreea Maria Iordache</b> , Gabriela Cristea	Elemental and Isotopic Fingerprints of Potatoes	Foods	2025	14(14)	1	17	5	5	1,397	0,279	1	0,200	0	0,000
5	Nechita Constantin, <b>Iordache Andreea Maria</b> , Roba Carmen, Apetri Anisoara Niculina, Camarero J. Julio	Non-linear relationships between climate and toxic metals in stressed polluted areas	Environmental Research	2025	287	1	10	5	5	1,397	0,279	2	0,400	0	0,000
6	Nechita Constantin, <b>Iordache Andreea Maria</b> , Pluhacek Tomas, Gregar Filip, Camarero J. Julio	Hazardous metals coupled with increasing summer diurnal temperature range contributed to growth decline of two oak species in a heavily industrialized area	Journal of Hazardous Materials	2025	496	1	13	5	5	1,879	0,376	4	0,800	0	0,000
7	Constantin Nechita, <b>Andreea Maria Iordache</b> , Carmen Roba, Claudia Sandru, Ramona Zgavaroșea, J. Julio Camarero	Heavy Metal Health Risk Assessment in Picea abies L. Forests Along an Altitudinal Gradient in Southern Romania	Plants	2025	14(6)	1	25	6	5,5	0,665	0,121	6	1,091	1	0,665
8	<b>Iordache A. M.</b> , Nechita C., Nasture A. M., Feizula E., Zgavaroșea R., Ionete R. E., Santos R.	Testing Low-Density Polyethylene Membranes for Lithium Isotope Electromigration System	Materials	2025	18(11)	1	15	7	6	0,524	0,087	0	0,027	1	0,524
9	Paun N., Zgavaroșea R. I., <b>Iordache A. M.</b> , Feizula E., Niculescu V. C.	Lithium-enriched organic membranes for future enhanced electromigration performance	MRS Advances	2025	10(17)	2028	2038	5	5	0,130	0,026	2	0,400	0	0,000
10	<b>Andreea Maria Iordache</b> , Ana Maria Nasture, Ramona Zgavaroșea, Radu Andrei, Roxana Mandoc, Erdin Feizula, Rui Santos, Constantin Nechita	Lithium Isotope Separation Using the 15-Crown-5 Ether System and Laboratory-Made Membranes	Materials	2025	18(9)	1	15	8		0,524	0,000	1	0,000	1	0,524

11	<b>Andreea M. Iordache</b> , Cezara Voica, Carmen Roba, Constantin Nechita	Evaluation of potential human health risks associated with Li and their relationship with Na, K, Mg, and Ca in Romania's nationwide drinking water	Frontiers in Public Health	2024	12	1	12	4	4	0,909	0,227	12	3,000	1	0,909
12	Man G. T., <b>Iordache A. M.</b> , Zgavaroaga R., Nechita C.	Recycling Lithium-Ion Batteries-Technologies, Environmental, Human Health, and Economic Issues-Mini-Systematic Literature Review	Membranes	2024	14(12)	1	21	4	4	0,564	0,141	10	2,500	0	0,000
13	<b>Andreea Maria Iordache</b> , Cezara Voica, Carmen Roba, Constantin Nechita	Lithium Content and Its Nutritional Beneficence, Dietary Intake, and Impact on Human Health in Edibles from the Romanian Market	Foods	2024	13(4)	1	14	4	4	0,745	0,186	12	3,000	1	0,745
14	Niculina Sonia Suvar, Paula Podea, Eliza Mateh Eszter, <b>Andreea Maria Iordache</b> & Adrian Matei	Analysis of Seeds and Rhizomes of Spices for Metals, Amino Acids, Polyphenols, Flavonoids, and Antioxidant Capacity for Evaluation of the Nutritional Quality	Analytical Letters	2024	57(4)	517	530	5	5	0,245	0,049	1	0,200	0	0,000
15	Cezara Voica, <b>Andreea Maria Iordache</b> , Carmen Roba, Constantin Nechita	Determination of toxic elements in facial cosmetics from the Romanian market and their health risk assessment	Analytical Letters	2023	56(2)	244	256	4	4	0,267	0,067	8	2,000	0	0,000
16	Silviu-Laurentiu Badea, Violeta Carolina Niculescu, <b>Andreea Maria Iordache</b>	New Trends in Separation Techniques of Lithium Isotopes. A Review of Chemical Separation Methods	Materials	2023	16(10)	1	15	3	3	0,508	0,169	26	8,667	0	0,000
17	Cezara Voica, Gabriela Cristea, <b>Andreea Maria Iordache</b> , Carmen Roba, Victor Curean	Elemental Profile in Chicken Egg Components and Associated Human Health Risk Assessment	Toxics	2023	11(11)	1	19	5	5	0,734	0,147	10	2,000	0	0,000
18	<b>Andreea Maria Iordache</b> , Constantin Nechita, Paula Podea, Niculina Sonia Șuvar, Cornelia Mesaroș, Cezara Voica, Ramona Bleiziffer, Monica Culea	Comparative amino acid profile and antioxidant activity in sixteen plant extracts from Transylvania, Romania	Plants-Basel	2023	12(11)	1	22	8	6,5	0,618	0,095	18	2,769	1	0,618
19	Constantin Nechita*, <b>Andreea Maria Iordache</b> *, Voica Cezara, Diana Costinel, Oana Romina Botoran, Diana Ionela Popescu, Niculina Sonia Șuvar	Evaluating the chemical hazards in wine associated with climate change	Foods	2023	12(7)	1	19	7	6	0,676	0,113	5	0,833	0	0,000

20	Iordache M., Bucura F., Ionete R. E., Remus Grigorescu R., <b>Iordache A. M.</b> , Zgavaroșea R., Chișu A., Zaharioiu A., Botoran O. R., Constantinescu M.	The GHGs Evolution of LULUCF Sector at the European Union (EU-27 + UK): Romania Case Study	Atmosphere	2022	13(10)	1	17	10	7,5	0,586	0,078	2	0,267	0	0,000
21	<b>Iordache A.M.</b> , Nechita C., Zgavaroșea R., Voica C., Varlam M., Ionete R.E.	Accumulation and ecotoxicological risk assessment of heavy metals in surface sediments of the Olt River, Romania	Scientific Reports	2022	12(1)	1	11	6	5,5	1,132	0,206	71	12,909	1	1,132
22	<b>Andreea Maria Iordache</b> , Constantin Nechita, Cezara Voica, Carmen Roba, Oana Romina Botoran, Roxana Elena Ionete	Assessing the health risk and the metal content of thirty-four plant essential oils using the ICP-MS technique	Nutrients	2022	14(12)	1	17	6	5,5	1,103	0,201	23	4,182	1	1,103
23	<b>Iordache A.M.</b> , Nechita C., Voica C., Pluhacek T., Schug Kevin A.	Climate change extreme and seasonal toxic metal occurrence in Romanian freshwaters in the last two decades-case study and critical review	NPJ Clean Water	2022	5(1)	1	9	5	5	2,141	0,428	38	7,600	1	2,141
24	Nechita C, <b>Iordache A. M.</b> , Costinel D, Botoran O., Danila G, Ionete Roxana E, Varlam M.	A Tree Ring Proxy Evaluation of Declining Causes in <i>Pinus sylvestris</i> L. and <i>Pinus nigra</i> J.F. Arnold in Northeastern Romania	Forestry	2022	13(2)	1	16	7	6	0,481	0,080	3	0,500	0	0,000
25	Constantin Nechita, <b>Andreea Maria Iordache</b> , Karel Lemr, Tom Levanic, Tomas Pluhacek	Evidence of declining trees resilience under long term heavy metal stress combined with climate change heating	Journal of Cleaner Production	2021	317	1	11	5	5	1,376	0,275	34	6,800	0	0,000
26	Voica C., Nechita C., <b>Iordache A.M.</b> , Roba C., Zgavaroșea R., Ionete R. E.	ICP-MS Assessment of Essential and Toxic Trace Elements in Foodstuffs with Different Geographic Origins Available in Romanian Supermarkets	Molecules	2021	26(23)	1	15	6	5,5	0,671	0,122	31	5,636	0	0,000
27	Cezara Voica, Cristina Roba, <b>Andreea Maria Iordache</b>	Lithium Levels in Food from the Romanian Market by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS): A Pilot Study	Analytical Letters	2021	54(1-2)	242	254	3	3	0,231	0,077	24	8,000	0	0,000
28	<b>Andreea Maria Iordache</b> , Constantin Nechita, Tomas Pluhacek, Mihaela Iordache, Ramona Zgavaroșea, Roxana Elena Ionete	Past and present anthropic environmental stress reflect high susceptibility of natural freshwater ecosystems in Romania	Environmental Pollution Journal	2020	267	1	10	6	5,5	1,385	0,252	21	3,818	1	1,385

29	Cezara Voica, <b>Andreea Maria Iordache</b> , Roxana Elena Ionete	Multielemental characterization of honey using inductively coupled plasma mass spectrometry fused with chemometrics	JOURNAL OF MASS SPECTROMETRY	2020	55(7)	196	200	3	3	0,400	0,133	36	12,000	0	0,000
30	<b>Iordache A. M.</b> , Iordache M., Zgavarogea R., Șandru C., Ionete R.E.	The Impact of Industrial Process Viewed from Side of Heavy Metals Bioaccumulation in Surface Sediments of a Watershed	JOURNAL OF BIOTECHNOLOGY	2019	305	S37	S37	5	5	0,739	0,148	0	0,000	1	0,739
31	Zgavarogea R., Iordache M., <b>Iordache A. M.</b> , Șandru C., Ionete R.E.	Modelling the Dynamics of VOCs and BTEXs Bioaccumulation as Tool for Environmental Risk Assessment	JOURNAL OF BIOTECHNOLOGY	2019	305	S37	S37	5	5	0,739	0,148	0	0,000	0	0,000
32	<b>Andreea Iordache</b> , Mihaela Iordache, Claudia Sandru, Cezara Voica, Diana Stegarus, Roxana Elena Ionete	A fugacity based model for the assessment of pollutant dynamic evolution of VOCs and BTEX in the Olt river basin (Romania)	Revista de Chimie	2019	70(10)	3456	3463	6	5,5	0,064	0,012	10	1,818	1	0,064
33	Ramona Zgavarogea, Cristina Covaliu, <b>Andreea Iordache</b> , Violeta Niculescu, Marin Neacsu	The use of Anaerobic Membrane Bioreactor and Reverse Osmosis System for Wastewater Treatment	U.P.B. Sci. Bull, Series B	2017	79(2)	55	62	5	5	0,000	0,000	4	0,800	0	0,000
34	Zgavarogea R., Niculescu V., Miricioiu M., <b>Iordache A.</b> , Paun N., Covaliu C.	Waste gas biotreatment	JOURNAL OF BIOTECHNOLOGY	2017	256	S62	S62	6	5,5	0,688	0,125	0	0,000	0	0,000
35	Bleiziffer Ramona, Mesaros Cornelia, Suvar Sonia, Podea Paula, <b>Iordache Andreea</b> , Yudin Florentina-Diana, Culea Monica	Comparative Characterization of Basil, Mint and Sage Extracts	Studia Universitatis Babeș-Bolyai, Chemia	2017	62(2)	373	385	7	6	0,019	0,003	8	1,455	0	0,000
36	S. Șuvar, R. Bleiziffer, P. Podea, <b>A. Iordache</b> , C. Voica, R. Zgavarogea, and M. Culea	A comparative mass spectrometric study of fatty acids and metals in some seed extracts	European Journal of Mass Spectrometry	2016	22(5)	253	260	7	6	0,273	0,046	4	0,667	0	0,000
37	Monica Culea, <b>Andreea Maria Iordache</b> , Ramona Bleiziffer	GC-MS Methods for amino-acids determination in different biological extracts	Studia Universitatis Babeș-Bolyai Chemia	2016	61(1)	213	222	3	3	0,013	0,004	1	0,333	0	0,000
38	Cezara Voica, Ioana Feher, <b>Andreea Maria Iordache</b> , Gabriela Cristea, Adriana Dehelean, D. Alina Magdas, Valentin Mirel	Multielemental analysis of coffee by inductively coupled plasma-mass spectrometry	Analytical Letters	2016	49(16)	2627	2643	7	6	0,197	0,033	12	2,000	0	0,000
39	Pavel Sistik, Miroslav Turjap, <b>Andreea Maria Iordache</b> , Helena M.E.B Saldanha, Karel Lemr, Petr Bednar	Quantification of selected antidepressants and antipsychotics in clinical samples using chromatographic methods combined with mass spectrometry: A review (2006-2015)	BIOMEDICAL PAPERS-OLOMOUK	2016	160(1)	39	53	6	5,5	0,256	0,047	17	3,091	0	0,000

40	Sonia Suvar, Elena Horj, Paula Podea, <b>Andreea Maria Iordache</b> , Daniel Gocan, Monica Culea	Fatty acids determination in trout plasma and meat by GC-MS	Studia Universitatis Babeș-Bolyai Chemia	2015	60(2) Tom 2	109	116	6	5,5	0,017	0,003	3	0,545	0	0,000
41	Hermannova M., <b>Iordache A. M.</b> , Slovakova K, Havlíček VĽ, Pelantova H., Lemr K	Arrival time distributions of products reveal isomeric ratio of deprotonated molecules in ion mobility-mass spectrometry of hyaluronan-derived oligosaccharides	JOURNAL OF MASS SPECTROMETRY	2015	50(6)	854	863	6	5,5	0,749	0,136	11	2,000	0	0,000
42	Geana E. I., Marinescu A., <b>Iordache A. M.</b> , Sandru C., Ionete R. E., Bala C.	Differentiation of Romanian Wines on Geographical Origin and Wine Variety by Elemental Composition and Phenolic Components	FOOD ANALYTICAL METHODS	2014	7(10)	2064	2074	6	5,5	0,421	0,077	58	10,545	0	0,000
43	Geana, E.I., <b>Iordache, A.M.</b> , Ionete, R.E., Marinescu A., Ranca A., Culea M.	Geographical origin identification of Romanian wines by ICP-MS elemental analysis	Food Chemistry	2013	138(2-3)	1125	1134	6	5,5	0,816	0,148	147	26,727	0	0,000
44	Florescu Diana, <b>Iordache Andreea Maria</b> , Costinel Diana, Horj Elena, Ionete Roxana Elena, Culea Monica	Validation Procedure for Assessing the Total Organic Carbon in Water Samples	Romanian Journal of Physics	2013	58(1-2)	211	219	6	5,5	0,125	0,023	14	2,545	0	0,000
45	C. Voica, M. H. Kovacs, A. Dehelean, D. Ristoiu, <b>A. Iordache</b>	ICP-MS Determinations of Heavy Metals in Surface Waters from Transylvania*	Romanian Journal of Physics	2012	57(7-8)	1184	1193	5	5	0,095	0,019	32	6,400	0	0,000
46	Cezara Voica, Adriana Dehelean, <b>Andreea Iordache</b> , Irina Geana	Method validation for determination of metals in soils by ICP-MS	Romanian Reports in Physics	2012	64(1)	221	231	4	4	0,125	0,031	36	9,000	0	0,000
47	Diana Florescu, Roxana Elena Ionete, Claudia Sandru, <b>Andreea Iordache</b> , Monica Culea	The Influence of Pollution Monitoring Parameters in Characterizing the Surface Water Quality from Romania Southern Area	Romanian Journal of Physics	2012	56(7-8)	1001	1010	5	5	0,095	0,019	41	8,200	0	0,000
48	Elisabeta-Irina Geana, <b>Andreea-Maria Iordache</b> , Roxana Elena Ionete	Ochratoxin A Occurrence in Romanian Wines	Revista de chimie	2012	63(9)	883	886	3	3	0,048	0,016	2	0,667	0	0,000
49	Diana Florescu, Roxana Elena Ionete, <b>Andreea Iordache</b> , Elena Horj, Ioan Stefanescu, Monica Culea	Optimal Measurements of Surface Water Pollution-Case Study on Southern Part of Romania	Asian Journal of Chemistry	2011	23(12)	5209	5212	6	5,5	0,035	0,006	1	0,182	1	0,035
50	Monica Culea, Elena Horj, <b>Andreea Iordache</b> , Onuc Cozar	Determination of Glycine in Biological Fluids by Isotopic Dilution Mass Spectrometry	Asian Journal of Chemistry	2011	23(10)	4279	4281	4	4	0,036	0,009	6	1,500	0	0,000

51	Elena Horj, <b>Andreea Iordache</b> , Alina Toma, Onuc Cozar, Monica Culea	Determination of Fatty Acid Composition of Two Carp Species by GC-MS	Asian Journal of Chemistry	2011	23(11)	4768	4770	5	5	0,036	0,007	1	0,200	0	0,000
52	<b>Andreea Iordache</b> , Elena Horj, Alina Toma, Onuc Cozar, Monica Culea	Determination of Amino acid composition of two carp species by GC-MS	Asian Journal of Chemistry	2011	23(11)	4757	4760	5	5	0,036	0,007	2	0,400	1	0,036
53	<b>Andreea Iordache</b> , Monica Culea, Elena Horj, Onuc Cozar	Determination of amino acids and selenium in fish plasma	Romanian Journal of Physics	2011	56(7-8)	963	970	4	4	0,000	0,000	4	1,000	1	0,000
54	<b>Andreea Iordache</b> , Elena Horj, Monica Culea	Isotopic Dilution GC/MS Method for Methionine Determination in Biological Media	AIP Conf. Proc. (PHYSICS CONFERENCE (TIM-10))	2011	1387	241	246	3	3	0,000	0,000	3	1,000	1	0,000
55	I. Geana, <b>A. Iordache</b> , C. Voica, A. Dehelean, R. Ionete	Comparison of three digestion methods for heavy metals determination in soils and sediments materials by ICP-MS technique	Asian Journal of Chemistry	2011	23(12)	5213	5216	5	5	0,036	0,007	6	1,200	0	0,000
56	<b>Andreea Iordache</b> , Elena Horj, Alina Rodica Ani, Cornelia Mesaros, Simina Morar, O. Cozar, Monica Culea	Amino Acids Profiles In Biological Media	AIP Conf. Proc.	2010	1262	192	197	7	6	0,000	0,000	1	0,167	1	0,000
57	Cornelia Mesaros, Monica Culea, <b>Andreea Iordache</b> , Onuc Cozar, Constantin Cosma	A New Caffeine Test for Diagnosis of Cirrhosis by GC/MS	Asian Journal of Chemistry	2010	22(5)	3608	3614	5	5	0,035	0,007	3	0,600	0	0,000
58	M. Culea, M. Jimborean, A. Pinteau, M. Chiriac, <b>A. Iordache</b>	Cheese Amino Acids Characterisation by Isotopic Dilution GC-MS	Journal of Environmental Protection and Ecology	2009	10(1)	149	155	5	5	0,000	0,000	8	1,600	0	0,000
59	Culea M., <b>Iordache A.</b> , Cozar O., Ristoiu D	Trihalomethanes analysis in drinking water	Journal of Environmental Protection and Ecology	2009	10(2)	342	350	4	4	0,000	0,000	3	0,750	0	0,000
60	<b>Andreea Iordache</b> , Monica Culea, C. Gherman, O. Cozar	Characterization of Some Plant Extracts by GC-MS	NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION B: BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2009	267(2)	338	342	4	4	0,333	0,083	48	12,000	1	0,333
											I=		C=		P=
											5,832	888	187,101	18	10,953

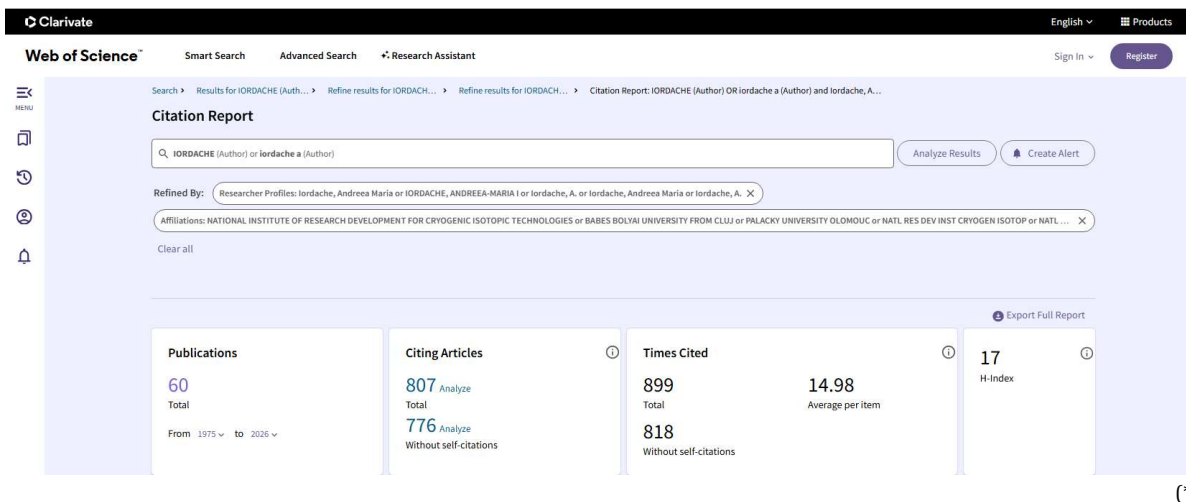
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indicele Hirsch= 16

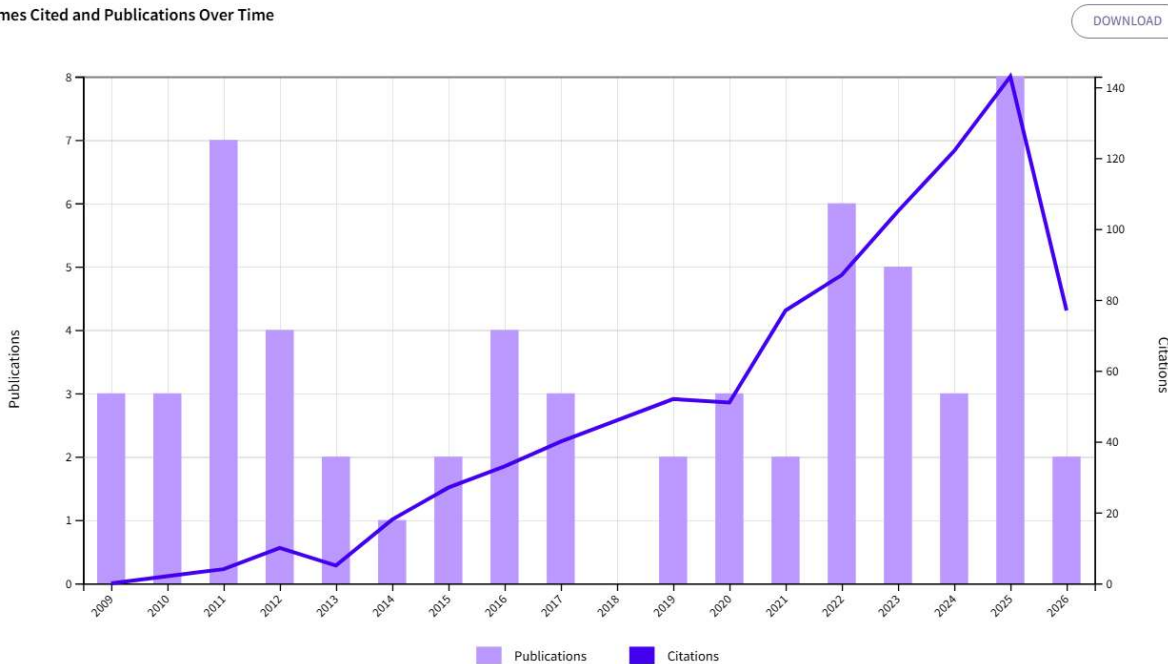
Punctajul total CNATDCU:  $T=A+P/2+I/2+C/20+h/5=73,54764286$

Date sintetizate la data: 22.05.2026				Alte date	
Indicatori CNATDCU		A3.1 Activitatea didactica si profesionala			
	Realizat		Minim	Total citari: 887,7871174	
A	52,60		2	Articole in reviste Q1 18	
P	10,953		4	Articole in reviste Q2 11	
I	5,832		4	Articole in reviste Q3 9	
C	187,101		40	Articole in reviste Q4 20	
H	16		10	Numar total articole(Q1-Q4) 58	
	WOS	Scopus	Google Scholar		
Hirsch	16	18	22		

Punctaj total CNATDCU:  $T=A+P/2+I/2+C/20+H/5$  73,54764286



Times Cited and Publications Over Time



(\*Print screen realizat la data de 15.05.2026, când indicele H era modificat în platforma WOS față de momentul realizării fișei de îndeplinire a standardelor minimale.

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