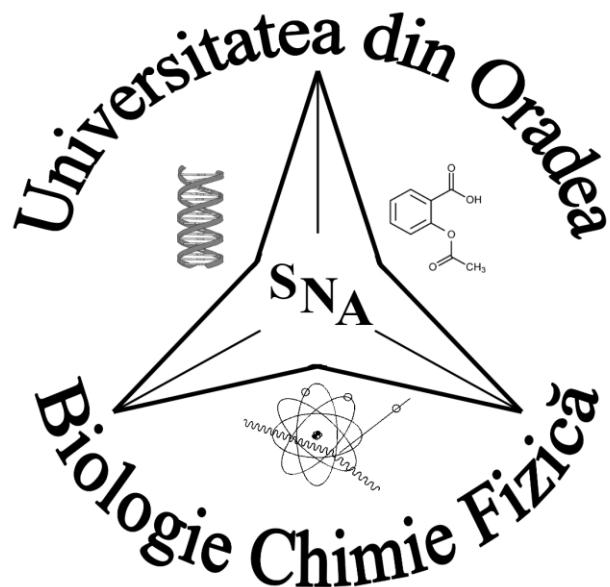


UNIVERSITATEA DIN ORADEA
FACULTATEA DE INFORMATICĂ ȘI ȘTIINȚE
DEPARTAMENTELE: BIOLOGIE, CHIMIE, FIZICĂ



RAPORT DE AUTOEVALUARE
AL CENTRULUI DE CERCETARE
ȘTIINȚE NATURALE APLICATE
pe perioada 2016 - 2020

ORADEA 2021

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FACULTATEA DE INFORMATICĂ ȘI ȘTIINȚE
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ȘTIINȚE NATURALE APLICATE**

pe perioada 2016 - 2020

Director / Persoană de contact:

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ORADEA 2021

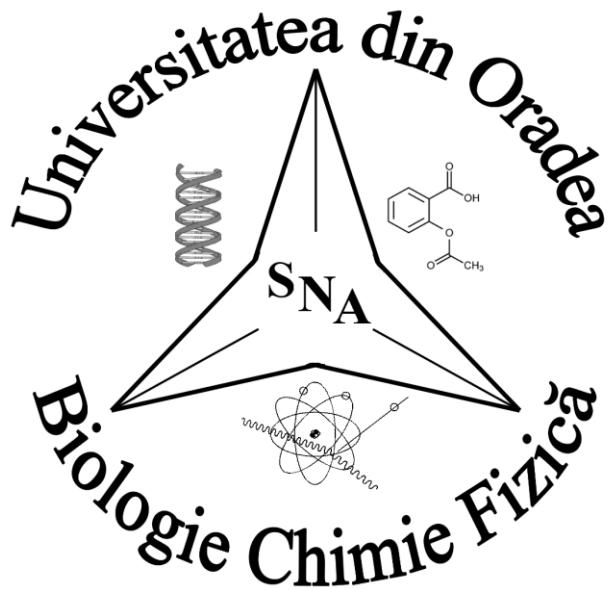
CUPRINS RAE (conform HG 551 / 2007)

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1. DATE DE AUTENTIFICARE / IDENTIFICARE ALE UNITĂȚII DE CERCETARE – DEZVOLTARE

1.1. DENUMIREA CENTRULUI DE CERCETARE

Centrul de Cercetare este denumit: „**Centrul de Cercetare în Științe Naturale Aplicate**” având acronimul SNA și sigla:



1.2. STATUTUL JURIDIC

Centrul de Cercetare în Științe Naturale Aplicate este constituit ca unitate academică de cercetare, fără personalitate juridică, în cadrul Facultății de Informatică și Științe din Universitatea din Oradea, în baza Hotărârii Senatului Universității.

1.3. ACTUL DE ÎNFIINȚARE

Universitatea din Oradea este înființată în forma juridică actuală, ca universitate de stat, în conformitate cu H.G. 460/1990. În forma organizatorică actuală, Centrul de Cercetare „**Științe Naturale Aplicate**” a fost înființat prin fuziunea interdisciplinară a trei centre de cercetare: „Centrul de Cercetări Biologice”, „Chimie Aplicată” și „Fizica Materialelor”, aparținând Facultății de Informatică și Științe, Universitatea din Oradea și acreditare instituțională la nivelul universității, aprobată în ședința Consiliului Facultății de Științe din data de 16.04.2013.

1.4. NR. DE ÎNREGISTRARE ÎN REGISTRUL POTENȚIALILOR CONTRACTORI

1155 (Universitatea din Oradea)

1.5. DIRECTOR GENERAL / DIRECTOR

Prof. univ. dr. LOREDANA MARCU, Universitatea din Oradea, Facultatea de Informatică și Științe, Departamentul de Fizică, tel. 0730 669 502, e-mail: loredana@marcunet.com

1.6. ADRESA

Universitatea din Oradea, Str. Universității, nr.1, Oradea, 410087, Facultatea de Informatică și Științe, Departamentul de Fizică, Pavilionul C.

1.7. TEL, FAX, PAGINA WEB, E-MAIL

Tel: 40259 408161 (Secretariat facultate)

Fax: 40259 408468

Web: www.uoradea.ro

2. DOMENIUL DE SPECIALITATE

2.1. CONFORM CLASIFICĂRII UNESCO (clasificarea internațională UNESCO pentru domeniile științei și tehnologiei):

22 FIZICĂ

- 2202 ELECTROMAGNETISM
- 2206 FIZICĂ MOLECULARĂ
- 2207 FIZICĂ ATOMICĂ ȘI MOLECULARĂ
- 2210 CHIMIA FIZICĂ
- 2211 FIZICA STĂRII SOLIDE
- 2299 ALTE SPECIALITĂȚI ÎN FIZICĂ

23 CHIMIE

- 2301 CHIMIA ANALITICĂ
- 2302 BIOCHIMIE
- 2303 CHIMIA ANORGANICA
- 2304 CHIMIA MACROMOLECULARA
- 2306 CHIMIA ORGANICA

24 ȘTIINȚELE VIEȚII

- 2401 BIOLOGIA ANIMALA
- 2405 BIOMETRIA
- 2406 BIOFIZICA
- 2407 BIOLOGIE CELULARA
- 2409 GENETICA
- 2413 BIOLOGIA INSECTELOR
- 2414 MICROBIOLOGIA
- 2415 BIOLOGIA MOLECULARA
- 2417 BOTANICA
- 2499 ALTE SPECIALITATI ÎN BIOLOGIE

25 ȘTIINȚELE PĂMÂNTULUI ȘI ALE SPAȚIULUI

- 2503 GEOCHIMIA

32 ȘTIINȚE MEDICALE

- 3201 ȘTIINȚE CLINICE
- 3209 FARMACOLOGIE

33 ȘTIINȚE TEHNOLOGICE

- 3303 INGINERIA SI TEHNOLOGIA CHIMICA

2.1. CONFORM CLASIFICĂRII CAEN:

- | | | |
|----|-----|--|
| 58 | 581 | Activități de editare a cărților, revistelor și altele |
| 72 | 721 | Cercetare-dezvoltare în științe naturale și inginerie |
| 85 | 854 | Învățământ superior |
| | 856 | Activități de servicii suport pentru învățământ |

3. STAREA UNITĂȚII DE CERCETARE – DEZVOLTARE

3.1. MISIUNEA UNITĂȚII DE CERCETARE DEZVOLTARE, DIRECȚIILE DE CERCETARE, DEZVOLTARE, INOVARE

Activitatea de cercetare în cadrul centrului de cercetare SNA este parte integrantă a cercetării în cadrul Universității din Oradea și se desfășoară în concordanță cu prevederile Cartei Universității din Oradea și a reglementărilor interne (Regulamentul de organizare, funcționare și finanțare a cercetării științifice), fiind coordonată de către Consiliul Cercetării – la nivelul universității și de către Comisia de Cercetare – la nivelul facultății.

Misiunea centrului de cercetare SNA constă în cercetarea științifică academică fundamentală și aplicată în domeniile biologiei, chimiei și fizicii, având ca obiectiv obținerea unor rezultate valoroase cu impact internațional. În acest scop se propune armonizarea și integrarea cercetării locale cu direcțiile de cercetare naționale și europene specificate de agențiile CNCSIS respectiv CORDIS. Prin intermediul centrului de cercetare-dezvoltare se urmărește, pe de o parte, conjugarea eforturilor cercetătorilor din cadrul centrului dar și al universității în general, în vederea îndeplinirii obiectivelor fixate, iar pe de altă parte realizarea cadrului instituțional care să permită accesarea programelor de cercetare cu finanțare internă și externă (UEFISCDI, PC 7, etc.), cooperarea regională, europeană și internațională prin realizarea unor programe de cercetare comune, precum și dezvoltarea parteneriatului cu mediul economic. Fiind un centru de cercetare academică din cadrul universității, acesta oferă de asemenea și posibilitatea îndeplinirii scopului didactic instructiv-formativ, prin atragerea tinerilor cercetători studenți în activitatea de cercetare și participarea lor la realizarea unor proiecte sau grant-uri, într-un cadru instituțional organizat.

Direcții de cercetare în biologie:

- inițierea de culturi de celule vegetale și subcultivarea lor pe medii variate
- înlăturarea hiperhidriei din vitrocultură
- analizarea reactivității plantelor în vitrocultură, în condiții variante de mediu
- identificarea substraturilor optime de aclimatizare pentru plante

- stabilirea condițiilor optime pentru multiplicarea rapidă *in vitro* a speciilor de salcie și plop, cu scopul aclimatizării și obținerii de biomasă vegetală, ca sursă de energie
- micropagarea, conservarea *in vitro* și aclimatizarea unor specii vegetale pe cale de dispariție,
- studiul organismelor acvatice (bentos, ihtiofaună) și a factorilor de mediu care-i influențează
- studii de enzimologie a solului
- studiul influenței apelor termale asupra biologiei și ecologiei amfibienilor
- cartarea faunei de amfibieni și reptile din țară
- cercetarea spectrului trofic al unor amfibieni, a hibridismului și fiziologiei acestora.

Direcții de cercetare în chimie:

- sinteza unor compuși anorganici cu structură complexă;
- sinteza și identificarea unor compuși organici și urmărirea mecanismelor de reacție;
- identificarea și dozarea unor compuși chimici organici și anorganici cu impact asupra mediului și organismelor vii, precum și dezvoltarea unor metode de recuperare și îndepărțare a lor,
- coroziunea, protecția anticorozivă, comportarea la coroziune și pasivare a unor sisteme metal/mediu, protecția anticorozivă cu ajutorul inhibitorilor și a stratelor de conversie;
- monitorizarea compoziției chimice a apelor geotermale și a apelor uzate rezultate din diverse procese tehnologice;
- identificarea și separarea unor compuși biologic activi prin metode chromatografice de înaltă performanță;
- aplicarea unor tehnici moderne de interferometrie cu laser în domeniul chimiei alimentare.

Direcții de cercetare în fizică:

- studii teoretice în radioterapie oncologică prin simularea Monte Carlo a creșterii tumorilor, modelarea tratamentelor radioterapeutice și studiul efectelor tratamentelor asupra comportamentului tumoral,
- studiul aspectelor dozimetrice în brahiterapia cancerelor de prostată,
- studii de biofizică moleculară și medicală: abordarea aspectelor de principiu în tehnici de voltage și patch - clamp, măsurarea curenților electrici printr-un singur canal ionic, imagerie confocală, cuplaj excitație-contracție în mușchiul striat,
- investigații spectroscopice ale unor complecși de interes biologic, prin metode spectroscopice: UV-VIS, FTIR, RAMAN, RES,
- imagistică medicală: PET/CT, IRM
- studiul proprietăților materialelor supraconductoare cu temperatură critică de tranziție ridicată (HTS), sub formă policristalină sau de filme subțiri,
- studiul proprietăților materialelor oxidice vitroase,
- studiul teoretic al proprietăților magnetice, optice și de transport în semiconductori, și semiconductori magnetici diluați.
- fenomene de transport de sarcină și de spin, spintronica și fenomene asociate.
- fenomene de transport în quantum-dot-uri, quantum-wire și nanotuburi de carbon, modelate folosind metode numerice, în particular metoda grupului de renormare numerică,
- modelarea teoretică și numerică a proprietăților sistemelor supraconductoare cu temperatură critică de tranziție ridicată,
- modelarea teoretică și numerică a structurii electronice a sistemelor puternic corelate,
- studiul structurii electronice a heterostructurilor semiconductoare și half-metalice
- studii dozimetrice asupra radonului,
- studierea in - situ a procesului de oxidare a aliajelor metalice în diferite condiții de temperatură și presiune,
- studii de metodică și didactică în predarea și învățarea fizicii, fizica și tehnologiile educaționale moderne.

3.2. MODUL DE VALORIZARE A REZULTATELOR DE CERCETARE, DEZVOLTARE, INOVARE ȘI GRADUL DE RECUNOAȘTERE A ACESTORA

- publicarea de lucrări științifice în reviste de specialitate de înalt prestigiu științific, cu factor de impact ISI ridicat,
- publicarea de lucrări științifice în reviste de specialitate cotate ISI sau în BDI,
- participarea și prezentarea rezultatelor la conferințe științifice și simpozioane naționale și internaționale,
- elaborarea de cărți de specialitate / monografii și cursuri universitare legate în domeniile de cercetare ale centrului,
- realizarea de modele experimentale, teoretice sau de simulări pe calculator,
- elaborarea de studii și rapoarte de cercetare,
- organizarea în nume propriu sau în colaborare cu alte entități de cercetare din țară sau străinătate a unor conferințe, școli de vară, simpozioane,
- participarea la competiții de programe de cercetare-dezvoltare și grant-uri naționale și internaționale,
- realizarea de cercetări pentru mediul socio-economic și integrarea rezultatelor cercetării în alte domenii,
- susținerea publicării revistelor locale recunoscute: North Western Journal of Zoology (ISI), Analele Universității din Oradea - Fascicula Biologie (BDI),
- organizarea de cursuri și seminarii de perfecționare în domeniile de cercetare ale centrului, adresate atât studenților și tinerilor cercetători cât și personalului interesat din mediul școlar, academic sau economic,
- organizarea periodica a Conferinței Internationale a Facultății de Științe.

3.3. SITUAȚIA FINANCIARĂ, DATORII LA BUGETUL DE STAT

Nu există.

4. CRITERII PRIMARE DE PERFORMANȚĂ

4.1. LUCRĂRI STIINTIFICE/TEHNICE PUBLICATE ÎN REVISTE DE SPECIALITATE COTATE ISI

4.1.1. Număr de lucrări științifice (Punctaj = nr. lucrări ISI x 30):

Punctaj: 6690 puncte

4.1.2. Punctaj cumulat ISI (Punctaj = suma factorilor ISI ai revistelor x 5):

Punctaj: 3404 puncte

4.1.3. Număr de citări în reviste de specialitate cotate ISI (Punctaj = nr. Citări în reviste ISI (fără autocitări) x 30):

Punctaj: 33690 puncte

Punctaj 4.1: 43784 puncte

4.2. BREVETE DE INVENȚIE

4.2.1. Brevete de invenție (Punctaj = nr. brevete x 30):

Punctaj: 90 puncte

4.2.2. Număr de citări de brevete în sistemul ISI (Punctaj = nr. citări x 5):

Punctaj: -

Punctaj 4.2: 90 puncte

4.3. PRODUSE, TEHNOLOGII, STUDII, SERVICII

4.3.1. Număr de produse, tehnologii, studii, servicii (Punctaj = nr. produse x 20):

Punctaj: 60 puncte

Punctaj 4.3: 60 puncte

Total punctaj cap. 4: 43934 puncte

Punctaj cap. 4 (criterii primare de performanță) / membru centru:

43934 / 34 = 1292.2 puncte

ANEXELE: 4.1.1. Număr de lucrări științifice publicate in reviste cotate ISI:

Nr. crt	Data publicarii		Autor(i)	Titlul articolului	Revista ISI	ISSN	Factorul de impact al revistei
	An	Luna					
1.	2016		Chirla R, Moca CP	Fingerprints of Majorana fermions in spin-resolved subgap spectroscopy	Physical Review B - Condensed Matter and Materials Physics 94(4),045405		3.718
2.	2016		Chirla R, Manolescu A, Moca CP	Transmission of a microwave cavity coupled to localized Shiba states	Physical Review B - Condensed Matter and Materials Physics 93(15),155110		3.718
3.	2016		R. Chirla, L. Marcu	PET-based quantification of statistical properties of hypoxic tumor subvolumes in head and neck cancer	Physica Medica 32:23-35		1.763
4.	2016		L. Marcu, D. Marcu, S. Filip	In silico study of the impact of cancer stem cell dynamics and radiobiological hypoxia on tumour response to hyperfractionated radiotherapy	Cell Proliferation 49(3):304-314		3.084
5.	2016		A. Santos, L. Marcu, C. Wong, E. Bezak	Risk estimation of secondary primary cancers after breast radiotherapy	Acta Oncologica 55(11):1331-1337		3.730
6.	2016		L. Marcu	Future treatment directions for HPV-associated head and neck cancer based on radiobiological rationale and current clinical evidence	Critical Reviews in Oncology/Hematology 103:27-36		5.039
7.	2016		L. Marcu, D. Marcu	In silico modelling of a cancer stem cell-targeting agent and its effects on tumour control during	Scientific Reports 6, 32332		5.228

				radiotherapy			
8.	2016	Iunie	Hoffman, R., Ungureanu, M., Covaciuc-Marcov, S.-D.,	A large abandoned cellar as roost for bats in western Romania	Periodicum Biologorum	0031-5362	0.152
9.	2016	Ian	Ferenti, Sara; Covaciuc-Marcov, Severus-Daniel	Do terrestrial isopods from Valsan River protected area reflect the region's peculiarities? Zoogeographic and conservative implications of a possible answer	Eco Mont-Journal On Protected Mountain Areas Research	2073-106X	0.278
10.	2016	Septembrie	Ferenti, Sara; Covaciuc-Marcov, Severus-D.; Cupsa, Diana	First record of Banatoniscus karbani after its description (Crustacea, Isopoda)	Spixiana	0341-8391	0.673
11.	2016	11	Blidar, C.F., Ilea, C., Tripon, I.M.,	The use of filter paper bridges for initiating in vitro culture of <i>Viola wittrockiana</i> F1 Matrix 'Blue Blotch'	Romanian Biotechnological Letters	1222-5984	0.404
12.	2016	4	Țiț D. M., Bungău S.* , Nistor Cseppento C., Copolovici D. M., Buhaș C.	Disposal of Unused Medicines Resulting from Home Treatment in Romania	Journal of Environmental Protection and Ecology, 17(4), pp. 1425-33	1311-5065	0.734
13.	2016	4	Buhaș C., Mihalache G., Buhaș B., Bungău S.	The difficulty in establishing the generating mechanism of cranial and vertebral lesions in a cadaver partially skeletonised	Romanian Journal of legal Medicine, 24(4), pp. 300-3	1221-8618 (print), 1844-8585 (online)	0.144
14.	2016	3	Popescu D. E., Bungău C., Prada M., Domuța C., Bungău S. , Tiț D. M.	Waste Management Strategy at a Public University in Smart City Context	Journal of Environmental Protection and Ecology, Vol. 17, No. 3, pp. 1011-20	1311-5065	0.734
15.	2016	3	Bumbu A., Pașca B., Tiț D. M., Bungău S., Bumbu G.	The effects of soy isoflavones and hormonal replacing therapy on the incidence and evolution of postmenopausal female urinary incontinence	Farmacia, 64(3), București, pp.419-22	0014-8237 (print), 2065-0019 (online)	1.162
16.	2016	3	Pallag A., Bungău S. G.* , Tiț D. M., Jurca T., Sîrbu	Comparative study of polyphenols, flavonoids, and	Revista de Chimie, 67(3), pp. 530-3	0034-7752	0.956

			V., Honiges A., Horhogea C.	chlorophylls in <i>Equisetum Arvense</i> T. populations			
17.	2016		Luminița Fritea, Karine Gorgy, Alan Le Goff, Pierre Audebert, Laurent Galmiche, Robert Săndulescu, Serge Cosnier	Fluorescent and redox tetrazine films by host-guest immobilization of tetrazine derivatives within poly(pyrrole-β-cyclodextrin) films	Journal of Electroanalytical Chemistry, in press	572-6657 (Print) ; 1873-2569 (Electronic)	2.822
18.	2017	3	Covaciuc-Marcov, SD; Sas-Kovacs, I; Cicort-Lucaciuc, AS	Lower than the lowest! Relict Salamandra salamandra population in Starmina Hill, South-Western Romania.	Russian Journal of Herpetology 24 (1): 81-83.	1026-2296	0,56
19.	2017	11	Covaciuc-Marcov, SD; Ferenti, S; Urak, I; Sas-Kovacs, EH; Cicort-Lucaciuc, AS; Sas-Kovacs, I	After the last train passes: data on the fauna from abandoned railway tunnels in Romania.	Annales Zoologici Fennici 54 (5-6): 335-346.	ISSN (Print) 0003-455X - ISSN (Online) 1797-2450	0,732
20.	2017	8	Ciolan, E; Cicort-Lucaciuc, AS; Sas-Kovacs, I; Ferenti, S; Covaciuc-Marcov, SD	Wooded area, forest road-killed animals: Intensity and seasonal differences of road mortality on a small, newly upgraded road in western Romania.	Transportation Research Part D- Transport and Environment 55: 12-20.	1361-9209	3,445
21.	2017.		Covaciuc-Marcov, S.-D., Puskas, A., Pop, A.N., Tart, A., Ferenti, S.	Road-killed amphibians and reptiles on a local road in a protected area in western Romania..	Acta Zoologica Bulgarica 69 (1): 115-120	0324-0770	0.310
22.	2017	12	Telcean I.C., Mihut R. E., Cupșa D.	The fishes' last stand: the fish fauna of Jiu River Gorge, between decades of coal mining and present day hydroenergetic works,	Eco. mont-Journal on Protected Mountain Areas Research, 9(1):15-21.	Online ISS.: 2073-1558 (Print ISSN: ISSN 2073-106X)	0,333
23.	2017	11/12	Petruș-Vancea, A., Cachiță, C.D.,	Deuterium depleted water and honey to improve <i>Drosera</i> and <i>Cymbidium</i> in vitro conservation.	Romanian Biotechnological Letters, Vol. 22, No. 6, pp. 13145- 13154.	1224 - 5984	0.321
24.	2017	9	Samuel, A.D.; Brejea, R.; Domuța, C.; Bungau, S.; Cenusu, N.; Tit, D.;	Enzymatic indicators of soil quality.	Journal of Environmental Protection and	ISSN 1311-5065	0.774

					Ecology, 18(3): 871-878		
25.	2017	10	Samuel, A.D.; Tit, D.M.; Melinte, C.E.; Iovan, C.; Purza, L.; Gitea, M.; Bungau, S	Enzymological and physicochemical evaluation of the effects of soil management practices.	Revista de chimie, 68(10): 2243-2247	0034-7752	1.412
26.	2017		E. Bezak, R. Takam, E. Yeoh, L. Marcu	The risk of second primary cancers due to peripheral photon and neutron doses received during prostate cancer external beam radiation therapy	Physica Medica 42:253-258		1.99
27.	2017		B. So, L. Marcu, I. Olver, R. Gowda, E. Bezak	Oesophageal cancer: which treatment is easier to swallow? A review of combined modality treatments for resectable carcinomas	Critical Reviews in Oncology/Hematology 113:135-150		4.971
28.	2017		L. Marcu	Photons- radiobiological issues related to the risk of second malignancies	Physica Medica 42:213-220		1.99
29.	2017		B. So, L. Marcu, I. Olver, R. Gowda, E. Bezak	Cocktail without hangover: in search for the optimal chemo-radiotherapy for non-operable oesophageal carcinomas	Acta Oncologica 56(7):899-908		3.156
30.	2017		P. Reid, P. Wilson, Y. Li, L. Marcu, E. Bezak	Current understanding of cancer stem cells: review of their radiobiology and role in head and neck cancers	Head and Neck 39(9):1920-1932		3.376
31.	2017		L. Marcu, D. Marcu	The effect of targeted therapy on recruited cancer stem cells in a head and neck carcinoma model	Cell Proliferation 50(6):e12380		4.936
32.	2017		P. Reid, P. Wilson, Y. Li, L. Marcu, A. Staudacher, M. Brown, E. Bezak	In vitro investigation of head and neck cancer stem cell proportions and their changes following X-ray irradiation as a function of HPV status	PLoS ONE 12(10):e0186186		2.766

33.	2017		Dora, B ; Werner, MA ; Moca, CP	Information scrambling at an impurity quantum critical point	PHYSICAL REVIEW B 96, 155116		3.813
34.	2017		Moca, CP ; Kormos, M; Zarand, G	Hybrid Semiclassical Theory of Quantum Quenches in One-Dimensional Systems	PHYSICAL REVIEW LETTERS, 119, 100603		8.839
35.	2017		Sarkany,; Szirmai, E ; Moca, CP; Glazman, L ; Zarand, G	Wigner crystal phases in confined carbon nanotubes	PHYSICAL REVIEW B 95, 115433		3.813
36.	2017		Michele Filippone, Catalin Pascu Moca, Jan von Delft, Christophe Mora	At which magnetic field, exactly, does the Kondo resonance begin to split?	PHYSICAL REVIEW B 95, 165404		3.813
37.	2018		L. Marcu, E. Bezak, B. Allen	Global comparison of targeted alpha vs targeted beta therapy for cancer: in vitro, in vivo and clinical trials	Critical Reviews in Oncology/Hematology 123:7-20		4.495
38.	2018		P. Reid, P. Wilson, Y. Li, L. Marcu, A. Staudacher, M. Brown, E. Bezak	Experimental investigation of radiobiology in head and neck cancer cell lines as a function of HPV status, by MTT assay	Scientific Reports 8, 7744		4.122
39.	2018		L. Marcu, L. Moghaddasi, E. Bezak	Imaging of tumour characteristics and molecular pathways with PET: developments over the last decade towards personalised cancer therapy	Int J Radiat Oncol Biol Phys 102(4):1165-1182		5.554
40.	2018		S. Morias, L. Marcu, M. Short, E. Gilles, E. Bezak	Do SABR-related toxicities for lung cancer depend on treatment delivery?	Critical Reviews in Oncology/Hematology 129:67-78		4.495
41.	2018		L. Marcu, P. Reid, E. Bezak	The promise of novel biomarkers for head and neck cancer from an imaging perspective	Int J Molec Sci 19(9):2511		3.687
42.	2018		S. Morias, L. Marcu, M. Short, E. Gilles, A. Potter, J. Shepherd, T. Gierlach, E. Bezak	Treatment-related adverse effects in lung cancer patients after stereotactic ablative radiation therapy (SABR)	Journal of Oncology, article ID 6483626		4.528

43.	2018		M. Huynh, L. Marcu, E. Giles, M. Short, D. Matthews, E. Bezak	Current status of proton therapy outcome for paediatric cancers of the central nervous system – analysis of the published literature	Cancer Treatment Reviews 70:272-288		8.122
44.	2018		Márton Kormos, Cătălin Pașcu Moca, and Gergely Zaránd	Semiclassical theory of front propagation and front equilibration following an inhomogeneous quantum quench	Phys. Rev. E 98, 032105		2.284
45.	2018		Balázs Dóra, Balázs Hetényi, and Cătălin Pașcu Moca	Statistics and Dynamics of the Center-of-Mass Coordinate in a Quantum Liquid	Phys. Rev. Lett. 121, 056803		8.839
46.	2018		Kanasz-Nagy, M; Ashida, Y; Shi, T; Moca, CP; Ikeda, TN; Folling, S; Cirac, JI; Zarand, G; Demler, EA,	Exploring the anisotropic Kondo model in and out of equilibrium with alkaline-earth atoms	PHYSICAL REVIEW B, 155156		3.813
47.	2018		Weymann, I; Chirla, R; Trocha, P; Moca, CP	SU(4) Kondo effect in double quantum dots with ferromagnetic leads	PHYSICAL REVIEW B 97, 085404		3.813
48.	2018		Moca, Catalin Pascu; Mora, C ; Weymann, I; Zarand, G	Noise of a Chargeless Fermi Liquid	PHYSICAL REVIEW LETTERS 120, 016803		8.839
49.	2018	05	Georgeta Șerban, Oana Stănelăsel, Eugenia Șerban, Sanda Bota	2-amino-1,3,4-thiadiazole as a potential scaffold for promising antimicrobial agents	Drug Design Development and Therapy	1177-8881	3.047
50.	2018	12	Endres L., Tit D.M., Bungau Simona, Cioca G., Abdel-Daim M., Buhas C., Pop O., Sava C.	Markers usefulness in the melanic metastatic cellular epitops identification in the sentinel lymph node	Revista de Chimie	0034-7752	1.412
51.	2018	04	Otrisal P., Melicharik Z., Svorc L., Bungău Simona, Virca I., Barsan G., Mosteanu D.	Testing methods of assessment for the chemical resistance of insulating materials against the effect of selected acids	Revista de Materiale Plastice	2537-5741	1.248
52.	2018		Pasca B., Bungău S.	Health Legislation in Bihor County during the Enlightenment	Transylvanian Review	1221-1249	0.045

53.	2018	10	Samuel A.D., Bungău S., Tit D.M., Melinte (Frunzulica) C.E., Purza L., Badea G.E.	Effects of long term application of organic and mineral fertilizers on soil enzymes	Revista de Chimie	0034-7752	1.412
54.	2018	09	Hodişan S., Badea G. E., Bungău S., Sebeşan M., Melinte (Frunzulica) C. E., Popa M., Tit D. M.	The quality of underwater supplies in western Romania - case study	Revista de Chimie	0034-7752	1.412
55.	2018	04	Uivaroşan D., Abdel-Daim M., Endres L., Purza L., Iovan C., Bungău S., Furău C.G., Tit D.M.	Effects of a proteic swine extract associated to recovery treatment on functional independence and quality of life in patients post stroke	Farmacia	0014-8237	1.507
56.	2018	07	Tit D.M., Bungău S., Iovan C., Nistor Cseppento D.C., Endres L., Sava C., Sabau A.M., Furau G., Furau C.	Effects of the Hormone Replacement Therapy and of Soy Isoflavones on Bone Resorption in Postmenopause	Journal of Clinical Medicine	2077-0383	5.583
57.	2018	10	Bungău S., Tit D.M., Fodor K., Cioca G., Agop M., Iovan C., Nistor Cseppento D.C., Bumbu A., Bustea C.	Aspects regarding the pharmaceutical waste management in Romania	Sustainability	2071-1050	2.075
58.	2018		Abdel-Daim M.M., Abushouk A.I., Alkhalf M.I., Toraih E.A., Fawzy M.S., Ijaz H., Aleya L., Bungău S.	Antagonistic effects of Spirulina platensis on diazinon-induced hemato-biochemical alterations and oxidative stress in rats	Environmental Science and Pollution Research	0944-1344	2.8
59.	2018	6	Gitea M. A., Bungău S., Gitea D., Purza L., Nemeth S., Samuel A. D., Badea G., Tit D. M.	The consequences of excessive chemicalization on fruits quality	Revista de Chimie	0034-7752	1.412
60.	2018	6	Apostol L., Berca L., Mosoiu C., Badea M., Bungău S., Oprea O.B., Cioca G.	Partially defatted pumpkin (<i>Cucurbita maxima</i>) seeds – a rich source of nutrients for use in food products	Revista de Chimie	0034-7752	1.412
61.	2018	12	Abdel-Daim M.M., Shaheen H.M., Abushouk A.I., Toraih E.A., Fawzy	Thymoquinone and diallyl sulfide protect against fipronil-induced oxidative injury in rats	Environmental Science and Pollution Research	0944-1344	2.8

			M.S., Alansari W.S., Aleya L., Bungău S.				
62.	2018		Pasca, B., Bungău S.G.	The History of Pharmacies in Northwestern Romania during the Communist Period	Transylvanian Review	1221-1249	0.045
63.	2018	05	Mot, C. A., Lupitu, A. I., Bungău, S., Copolovici, D. M., Purza, L., Melinte (Frunzulica), C. E., Copolovici, L.	Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (<i>Tanacetum Vulgare L.</i>)	Revista de Chimie	0034-7752	1.412
64.	2018	04	Miccoli A., Restani P., Floroian L., Taus N., Badea M., Cioca G., Bungău S.	Sensitive electrochemical detection method of melatonin in food supplements	Revista de Chimie	0034-7752	1.412
65.	2018	02	Moisa C., Copolovici L., Bungău S., Pop G., Imbreia I., Lupitu A., Nemeth S., Copolovici D.	Wastes resulting from aromatic plants distillation – bio-sources of antioxidants and phenolic compounds with biological active principles	Farmacia	0014-8237	1,507
66.	2018	02	Niță A., Tit D.M., Copolovici L., Melinte (Frunzulica) C.E., Copolovici D., Bungău S., Iovan C.	HPLC-UV method for determination of famotidine from pharmaceutical products	Revista de Chimie	0034-7752	1.412
67.	2018	01	Badea M., Chiperea C., Balan M., Floroian L., Restani P., Marty J.-L., Iovan C., Țiț D. M., Bungău S., Taus N.	New Approaches for Electrochemical Detection of Ascorbic Acid	Farmacia	0014-8237	1,507
68.	2018		Fodor K., Tit D. M., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim M., Bungău S.	Long-term resveratrol supplementation as a secondary prophylaxis for stroke	Oxidative Medicine and Cellular Longevity	1942-0994	4.936
69.	2018	01	Oprea O. B., Apostol L., Bungău S., Cioca G., Samuel A. D., Badea M., Liviu Gaceu	Researches on the chemical composition and the rheological properties of wheat and grape epicarp flour mixes	Revista de Chimie	0034-7752	1.412

70.	2018	04	Alina C. Cozma, Adriana Grozav, Ioan C. Tarca, Valentin Zaharia, Sorana D. Bolboaca, Lorentz Jantschi	Understanding the Chromatographic Properties and Cytotoxicity of Hidrazinoselenazole Compounds by Computational Study	Revista de Chimie	0034-7752	1.412
71.	2018	12	Covaciuc-Marcov S.-D., Cupșa D., Telcean I.C., Sas-Kovács I., Ferenți S.	Two new populations of the European mudminnow, <i>Umbra krameri</i> (Actinopterygii: Esociformes: Umbridae), in southwestern Romania with the first record in the Banat region	Acta Ichtyologica et Piscatoria, 48 (3): 251–255	p-ISSN 0137-1592 e-ISSN 1734-1515	0,708
72.	2018	11	Petruș-Vancea, A.,	Cell ultrastructure and chlorophyll pigments in hyperhydric and non-hyperhydric <i>Beta vulgaris</i> var. <i>Conditiva</i> plantlets, treated with deuterium depleted water	Plant Cell, Tissue and Organ Culture, 135 (1), pp. 13–21, doi.org/10.1007/s11240-018-1439-0	ISSN: 0167-6857 (Print) 1573-5044 (Online)	2,004
73.	2018		Samuel, A.D.; Ciobanu, C.;	Enzyme activities in a preluvosoil as affected by crop rotation and fertilization systems.	Romanian Agricultural Research, 35: 183-191	1222-4227	0.458
74.	2018	11	Samuel, A.D.; Bungau, S.; Tit, D.M.; Melinte, E.C.; Purza, L.; Badea, G.E.;	Effect of long term application of organic and mineral fertilizers on soil enzymes.	Revista de chimie, 69(10): 2608-2612	0034-7752	1.412
75.	2018	1	Oprea, O.B.; Apostol, L.; Bungau, S.; Cioca, G.; Samuel, A.D.; Badea, M.; Gaceu,L.;;,	Researches on the chemical composition and the rheological properties of wheat and grape epicarp flour mixes	Revista de chimie, 69(1):70-75	0034-7752	1.412
76.	2018	6	Gitea, M.A.; Bungau, S.; Gitea, D.; Purza, L.; Nemeth, S.; Samuel A.D.; Badea, G.; Tit, D.;	The consequences of excessive chemicalization on fruits quality.	Revista de chimie, 69(6):1303-1308	0034-7752	1.412
77.	2019	11	MIOARA SEBEȘAN, GABRIELA ELENA BADEA, RADU SEBESAN, KATALIN FODOR, SIMONA BUNGĂU*, CARMEN	Physico-Chemical Monitoring Tests on Geothermal Water Production Wells – a Case Study	Revista de Chimie	0034-7752	1.605

			ELENA MELINTE (FRUNZULICA)				
78.	2019	2	GITEA, M.A., GITEA D., TIT D.M., PURZA L., SAMUEL A.D., BUNGĂU S. , BADEA G.E., ALEYA, L.	Orchard Management under the Effects of Climate Change: Implications for Apple, Plum and Almond Growing	Environmental Science and Pollution Research	0944-1344 (Print) 1614-7499 (Online)	2.914
79.	2019	11	MIOARA SEBEŞAN, GABRIELA ELENA BADEA, RADU SEBESAN, KATALIN FODOR, SIMONA BUNGĂU*, CARMEN ELENA MELINTE (FRUNZULICA)	Physico-Chemical Monitoring Tests on Geothermal Water Production Wells – a Case Study	Revista de Chimie	0034-7752	1.605
80.	2019	2	GITEA, M.A., GITEA D., TIT D.M., PURZA L., SAMUEL A.D., BUNGĂU S. , BADEA G.E., ALEYA, L.	Orchard Management under the Effects of Climate Change: Implications for Apple, Plum and Almond Growing	Environmental Science and Pollution Research	0944-1344 (Print) 1614-7499 (Online)	2.914
81.	2019	11	SANDA RODICA BOTA, ALINA CLAUDIA COZMA, ALINA MARIA CĂRĂBAN	Study about HPLC Method Elaboration and Validation for Acid Lactic Assay in Grape Juice Fermentation Process	Revista de Chimie	0034-7752	1.605
82.	2019	6	ROXANA STAN, BOGDAN SEVASTRE, ADRIANA CORINA HANGAN, SANDA BOTA, DANIELA HANGANU, CORINA MARIA IONESCU, CRISTIAN POPOVICI, ALEXANDRA SEVASTRE-BERCHIAN, ALEXANDRA DREANCA, LAURA VICAŞ	Chemical Characterization of Artemisia Annua L. Extract Assumption of Antioxidant Activity in Vitro and in Vivo Toxicity Studies	Revista de Chimie	0034-7752	1.605
83.	2019	12	VESA, C.M., POPA, A.R., BUNGAU, S. , DAINA,	Exploration of insulin sensitivity,	Revista de Chimie	0034-7752	1.605

			L.G., BUHAS, C., JUDEA-PUSTA, C.T., PASCA B., DIMULESCU (NICA), I., ZAHA, D.C.	insulin resistance, early insulin secretion and β-cell function, and their relationship with glycated hemoglobin level in normal weight patients with newly diagnosed type 2 diabetes mellitus			
84.	2019	12	ALBASHER, G., ABDEL-DAIM, M.M., ALMEER, R., IBRAHIM, K.A., HAMZA, R.Z., BUNGAU, S., ALEYA, L.	Synergistic antioxidant effects of resveratrol and curcumin against fipronil-triggered oxidative damage in male albino rats	Environmental Science and Pollution Research	0944-1344	2.914
85.	2019	11	REIL, P.M., MAGHIAR, T.T., SEIDL, K., BORZA, C., NUNKOO, V., BUHAS, C.L., BUNGAU, S., STANESCU, A.M.A., POP, O.L., JUDEA PUSTA, C.T.	The role of Bcl2 protein and tumour protein p53 in septic cardiomyopathy	Revista de Chimie	0034-7752	1.605
86.	2019	11	POPA, A.R., JUDEA PUSTA, C.T., VESA, C.M., BUNGAU, S., BUHAS, C.L., SAVA, C., DIMULESCU (NICA), I.A., ZAHA, D.C., BUSTEA, C.	Prediction models of albumin renal excretion in Type 2 Diabetes Mellitus patients	Revista de Chimie	0034-7752	1.605
87.	2019	12	OTRISAL, P., OBSEL, V., FLORUS, S., BUNGAU C., ALEYA, L., BUNGAU, S.	Protecting emergency workers and armed forces from volatile toxic compounds: applicability of reversible conductive polymer-based sensors in barrier materials	Science of the Total Environment	0048-9697	5.589
88.	2019	3	OTRISAL, P., DIACONU, C., BRATU, O., IONITA RADU, F., MELICHARIK, Z., BUNGAU, S.G	New approaches regarding the protection forces' health against the effects of some toxic substances	Romanian Journal of Military Medicine	2345-5463	
89.	2019	10	IORGA, L., MARCU, R.D., DIACONU, C.C., STANESCU, A.M.A., PANTEA STOIAN, A.,	Penile carcinoma and HPV infection (Review)	Experimental and Therapeutic Medicine	1792-0981	1.448

			MISCHIANU, D.L.D., SURCEL, M., BUNGAU, S. , CONSTANTIN, T., BODA, D., FEKETE, L., BRATU, O.G.				
90.	2019	11	ELHELALY, A.E., ALBASHER, G., ALFARRAJAH, S., ALMEER, R., BAHBAH, E.I., FOUDA, M.M.A., BUNGAU, S.G. , ALEYA, L., ABDEL-DAIM, M.M.	Protective effects of hesperidin and diosmin against acrylamide-induced liver, kidney and brain oxidative damage in rats	Environmental Science and Pollution Research	0944-1344	2.914
91.	2019	10	SAMUEL, A.D. , BUNGAU, S. , FODOR, I.K., TIT, D.M., BLIDAR C.F. , DAVID A.T., MELINTE (FRUNZULICA), C.E.	Effects of liming and fertilization on the dehydrogenase and catalase activities	Revista de Chimie	0034-7752	1.605
92.	2019	9	EL-HAMID, M.I.A., ABD EL-FATAH, W.M., EL-MORSI, A.A., DRAZ, M.S., KALLAKURI, S., BUNGAU, S. , ENDRES, L., BARDACA (URDUCEA), C., HAFEZ, E.E.	Anti-HIV / HCV activity of cyanobacterial phycobiliproteins by a new standardized method using bacteriophage surrogates	Revista de Chimie	0034-7752	1.605
93.	2019	9	POPA, A.R., BUNGAU, S. , VESA, C.M., BONDAR, A.C., PANTIS, C., MAGHIAR, O., DIMULESCU (NICA), I.A., NISTOR-CSEPPENTO, D.C., RUS, M.	Evaluating the efficacy of the treatment with benfotiamine and alpha-lipoic acid in distal symmetric painful diabetic polyneuropathy	Revista de Chimie	0034-7752	1.605
94.	2019	9	GLEVITZKY, I., DUMITREL, G.A., GLEVITZKY, M., PASCA, B., OTRISAL, P., BUNGAU, S. , CIOCA, G., PANTIS, C., POPA, M.	Statistical analysis of the relationship between antioxidant activity and the structure of flavonoid compounds	Revista de Chimie	0034-7752	1.605

95.	2019	10	SABAU, M., BUNGAU, S. , BUHAS, C.L., CARP, G., DAINA, L.-G., JUDEA-PUSTA, C.T., BUHAS, B.A., JURCA, C.M., DAINA, C.M., TIT, D.M.	Legal medicine implications in fibrinolytic therapy of acute ischemic stroke	BMC Medical Ethics	1472-6939	2.507
96.	2019	5	CSAKVARI, A.C., LUPITU, A., BUNGAU, S. , GITEA, M.A., GITEA, D., TIT, D.M., COPOLOVICI, L., NEMETH, S., COPOLOVICI, D.	Fatty acids profile and antioxidant activity of almond oils obtained from six romanian varieties	Farmacia	0014-8237	1.527
97.	2019	11	IACOB R.E., IACOB D., MOLERIU R.D., TIT D.M., BUNGAU S. , OTRISAL P., ALEYA S., JUDEA-PUSTA C., CIOCA G., BRATU O.G., ALEYA L., PETREI I.	Consequences of analgesics use in early pregnancy: results of tests on mice, 691 ,	Science of the Total Environment	0048-9697	5.589
98.	2019	8	JUDEA-PUSTA, C.T., BUNGAU, S. , BUHAS, C.L., POPA, A.R., VESA, C.M., BUHAS, B.A., BARDACA (URDUCEA), C., TIT, D.M., ABDEL-DAIM, M., JUDEA, A.S.	Experimental study upon the virulence of infectious microbial agents involved in violent deaths presenting septic states	Revista de Chimie	0034-7752	1.605
99.	2019	11	SCARNECIU, I., BUNGAU, S. , LUPU, A.-M., SCARNECIU, C.C., BRATU, O.G., MARTHA, O., TIT, D.M., ALEYA, L., LUPU, S.	Efficacy of instillation treatment with hyaluronic acid in relieving symptoms in patients with BPS/IC and uncomplicated recurrent urinary tract infections – long-term results of a multicenter study	European Journal of Pharmaceutical Sciences	0928-0987 (print); 1879-0720 (web)	3.532
100.	2019	12	BRATU, O.G., DIACONU, C.C., MISCHIANU, D.L.D., CONSTANTIN, T., STANESCU, A.M.A.,	Therapeutic options in patients with biochemical recurrence after radical prostatectomy (Review)	Experimental and Therapeutic Medicine	1792-0981	1.448

			BUNGAU, S.G., IONITA-RADU, F., MARCU, R.D.				
101.	2019	10	ZAHA, D.C., BUNGAU, S. , ALEYA, S., TIT, D.M., VESA, C.M., POPA, A.R., PANTIS, C., MAGHIAR, O.A., BRATU, O.G., FURAU, C., MOLERIU, R.D., PETRE, I., ALEYA, L.,	What antibiotics for what pathogens? The sensitivity spectrum of isolated strains in an intensive care unit,	Science of the Total Environment	0048-9697	5.589
102.	2019	3	PURZA, L., ABDEL-DAIM, M., BELBA, A., IOVAN, C., BUMBU, A., LAZAR, L., BUNGAU, S. , TIT, D.M.,	Monitoring the effects of various combination of specific drug therapies at different stages of Alzheimer's dementia,	<i>Farmacia</i>	0014-8237	1.527
103.	2019	1	CRISAN, C., JUDEA-PUSTA, C.T., MIHALACHE, G., BUNGAU, S. , MAGHIAR, A.M., BUHAS, B.A., JUDEA, A.S., HLESCU, A.A., BUHAS, C.L.,	Difficulties and limits in forensic expertise of a fatal aircraft accident,	Romanian Journal of Military Medicine	2345-5463	
104.	2019	6	BUNGAU, S. , TIT, D.M., POPA, V.-C., SABAU, A., CIOCA, G.	Practices and attitudes regarding the employment of people with disabilities in Romania	<i>Quality – Access to success</i>	1582-2559	
105.	2019	4	TAMARGO SANTOS, B., BUNGAU, S. , FLEITAS PEREZ, C., MARQUEZ NAPOLES, Y., INFANTE BOURZAC, J.F., OLIVA HERNANDEZ, R., RAMIREZ GONZALEZ, W., CIOCA G., ALEYA, L., SIERRA GONZALEZ, V.G.	Immuno-toxicological evaluation of the adjuvant formulations for experimental anti-meningococcal vaccines without aluminium hydroxide	<i>Revista de Chimie</i>	0034-7752	1.605
106.	2019	4	YASSIN, A.M., EL-DEEB, N.M., ELSAID, F.G., SHATI, A.A., CIOCA G.,	Lectin from Pisum fulvum seeds as in vitro anticancer and <i>apoptotic</i> gene regulator	<i>Revista de Chimie</i>	0034-7752	1.605

			TIT D.M., BUNGAU S., POPA A., HAFEZ, E.E.				
107.	2019	8	UIVAROSAN, D., TIT, D.M., IOVAN, C., NISTOR CSEPPENTO, D.C., ENDRES, L., LAZAR, L., SAVA, C., SABAU, A.M., BUHAS, C., MOLERIU, L.C., BUNGAU, S. , ALEYA, L.	Effects of combining modern recovery techniques with neurotrophic medication and standard treatment in stroke patients	Science of the Total Environment	0048-9697	5.589
108.	2019	7	DAINA, L.G., SABAU, M., DAINA, C.M., NEAMTU, C., TIT, D.M., BUHAS, C.L., BUNGAU, C., ALEYA, L., BUNGAU, S.	Improving performance of a pharmacy in a Romanian hospital through implementation of an internal management control system	Science of the Total Environment	0048-9697	5.589
109.	2019	1	BOGDAN, M., ENDRES, L., PASCA, B., TIT, D.M., UIVAROSAN, D., COPOLOVICI, D.M., ALEYA, L., BUNGAU, S.	Study on the stability and compatibility of the cosmetic products with Lavandula angustifolia oil kept in PPH polypropylene homopolymer plastic containers	Materiale Plastice	Print 0025-5289, Online 2668-822	1.393
110.	2019	1	GAREEB, R.Y., ELNOUBY, M.S., HASAN, M.A., TICU (COTORCEA), S., POPA, A., BUNGAU, S., HAFEZ, E.E.	New trend for using the reduced graphene oxide as effective and eco-friendly nematicide	Materiale Plastice	Print 0025-5289, Online 2668-822	1.393
111.	2019	1	PANAIT, D.E., JUFA, A.C., FLOROIAN, L., PASCU, A.M., BADEA, M., POPA, M., MACOCIAN, V.E., CIOCA, G., BUNGAU, S.	Electromagnetic pollution of the environment due leakage radiation from microwave ovens	Materiale Plastice	Print 0025-5289, Online 2668-822	1.393
112.	2019	3	ABDEL-DAIM, M.M., ALEYA, L., EL-BIALY, B.E., ABUSHOUK, A.I., ALKAHTANI, S., ALARIFI, S., ALKAHTANE, A.A.,	The ameliorative effects of ceftriaxone and vitamin E against cisplatin-induced nephrotoxicity	Environmental Science and Pollution Research	0944-1344	2.914

			ALBASHER, G., ALI, D., ALMEER, R.S., AL-SULTAN, N.K., ALGHAMDI, J., ALAHMARI, A., BUNGAU, S.G.				
113.	2019	3	ABDEL-DAIM, M.M., ABUSHOUK, A.I., DONIA, T., ALARIFI, S., ALKAHTANI, S., ALEYA, L., BUNGAU, S.	The nephroprotective effects of allicin and ascorbic acid against cisplatin-induced toxicity in rats	Environmental Science and Pollution Research	0944-1344	2.914
114.	2019	3	CHELMEA, L., DI MODUGNO, F., SAMOTA, I., BOBESCU E., FLOROIAN, L., RESTANI, P., CIOCA, G., BUNGAU, S. , BADEA, M.	New electrochemical detection strategies for iodinated compounds	Revista de Chimie	0034-7752	1.605
115.	2019	6	TAMARGO SANTOS, B., FLEITAS PEREZ, C., INFANTE BOURZAC, J.F., MARQUEZ NAPOLES, Y., RAMIREZ GONZALEZ, W., BOURG, V., TORRALBA, D., PEREZ, V., MOURINO, A., AYALA, J., LABRADA ROSADO, A., ALEYA, L., BUNGAU, S. , SIERRA GONZALEZ, V.G.	Remote induction of cellular immune response in mice by anti-meningococcal nanocoachleates – nanoproteoliposomes	Science of the Total Environment	0048-9697	5.589
116.	2019	2	ZAHA, D.C., JURCA, C.M., BUNGAU, S. , CIOCA, G., POPA, A., SAVA, C., ENDRES, L., VESA, C.M.	Luminal versus non-luminal breast cancer CDH1 immunohistochemical expression	Revista de Chimie	0034-7752	1.605
117.	2019	2	MOISA C., LUPITU A., POP G., CHAMBRE D.R., COPOLOVICI L., CIOCA G., BUNGAU S. , COPOLOVICI D.M.	Variation of the chemical composition of Thymus vulgaris essential oils by phenological stages	Revista de Chimie	0034-7752	1.605

118.	2019	2	BUNGAU, S.G., ABDEL-DAIM, M.M., TIT, D.M., GHANEM, E., SATO S., MARUYAMA-INOUE, M., YAMANE, S., KADONOSONO, K.	Health benefits of polyphenols and carotenoids in age-related eye diseases	Oxidative Medicine and Cellular Longevity	1942-0994	4.868
119.	2019	3	ALEYA, L., GRISEY, E., BOURIOUG, M., BOURGIADE, P., BUNGAU, S.	Proposed changes for post-closure monitoring of Etueffont landfill (France) from a 9-year survey	Science of the Total Environment	0048-9697	5.589
120.	2019	8	ABDEL-DAIM, M.M., AHMED, A., IIAZ, J., ABUSHOUK, A.I., AHMED, H., NEGIDA, A., ALEYA, L., BUNGAU, S.	Influence of <i>Spirulina platensis</i> and ascorbic acid on amikacin-induced nephrotoxicity in rabbits	Environmental Science and Pollution Research	0944-1344	2.914
121.	2019	1	YEUNG, A.W.K., TZVETKOV, N., EL-TAWIL, O.S., BUNGAU, S.G., ABDEL-DAIM, M.M., ATANASOV, A.G.	Antioxidants: scientific literature landscape analysis,	Oxidative Medicine and Cellular Longevity	1942-0994	4.868
122.	2019	1	TATARU, A.-L., FURAU, G., AFILON, J., IONESCU, C., DIMITRIU, M., BRATU, O.G., TIT, D.M., BUNGAU, S., FURAU, C.	The situation of cervical cancers in the context of female genital cancers clustering and burden of disease in Arad County, Romania	Journal of Clinical Medicine	2077-0383	5.688
123.	2019	Ian-feb	Blidar, C.F., Pop, I.F., Fenesi, B.	<i>In vitro</i> Allelopathy at <i>Sequoia sempervirens</i> (D. Don) Endl. and <i>Stevia rebaudiana</i> Bertoni	Romanian Biotechnological Letters, 24(1): 154-167	1224-5984 (Print) 2248-3942 (Electronic)	0.59
124.	2019	Mai-iun	Blidar, C.F., Tripon, I.M., Illea, C.	<i>In vitro</i> conservation of genetic resources of <i>Nymphaea lotus</i> var. <i>thermalis</i> (D.C.) Tuzs., en endangered plant species.	Romanian Biotechnological Letters, 24(3): 448-457	1224-5984 (Print) 2248-3942 (Electronic)	0.59
125.	2019	Octombrie	Samuel A.D., Bung[u, S., Fodor, I.K., Tit, D.M., Blidar, C.F. , David, A.T., Melinte, C.E.	Effect of liming and fertilization on the dehydrogenase and catalase activities	Revista de Chimie, 70(10): 3464-3468,	2668-8212 on line 0034-7752 print	1.605

126.	2019	Octombrie	Pop, DZ; Dordea, DN; Cicort-Lucaciu, AS; Covaciuc-Marcov, SD; Sara, F.	A hot-spot of native terrestrial isopods in an urban area in the Carpathians, Herculane Spa: an emergence of the past into the present.	SPIXIANA 42(2): 219-228.	0341-8391	0.375
127.	2019	iunie	Teodor, LA., Ferenti, S., Covaciuc-Marcov, SD.	Weevils dies in vain: understanding the messages from road-killed weevils (Coleoptera: Curculionoidea).	Coleopterists Bulletin 73(2): 359-368.	Print 0010-065X Online 1938-4394	0.697
128.	2019	octombrie	Samuel, A.D.; Bungau, S.; Fodor, I.K.; Tit,D.M.; Blidar C.F.; David A.T.; Melinte, E.C.; 2019,	Effects of liming and fertilization on the dehydrogenase and catalase activities.	Revista de chimie, 70(10): 3464-3468	2668-8212 on line 0034-7752 print	1.605
129.	2019	aprilie	Gitea, M.A.; Gitea, D.; Tit, D.M.; Purza, L.; Samuel, A.D.; Bungau, S.; Badea, G.E.; Lotfi, A.	Orchard management under the effects of climate change: implications for apple, plum, and almond growing	Environmental Science And Pollution Research	0944-1344 (Print) 1614-7499 (Online)	2.914
130.	2019		L. Marcu , D. Marcu	The role of hypofractionated radiotherapy in the management of head and neck cancer - a modelling approach	J Theor Biol 482C: article no. 109998		1.875
131.	2019		J. Forster, L. Marcu , E. Bezak	Approaches to combat hypoxia in cancer therapy and the potential for in silico models in their evaluation	Physica Medica 64:145-156		2.532
132.	2019		L. Marcu , J. Forster, E. Bezak	The potential role of radiomics and radiogenomics in patient stratification by tumor hypoxia status	J American College Radiol 16(9PB):1330-1338		3.785
133.	2019		L. Marcu , C. Boyd, E. Bezak	Feeding the data monster: data science in head and neck cancer for personalized therapy	J American College Radiol 16(12):1695-1701		3.785

134.	2019		P. Reid, L. Marcu , I. Olver, L. Moghaddasi, A. Staudacher, E. Bezak	Diversity of cancer stem cells in head and neck carcinomas: the role of HPV in cancer stem cell heterogeneity, plasticity and treatment response.	Radiotherapy & Oncology 135:1-12		5.252
135.	2019		M. Huynh, L. Marcu , E. Giles, M. Short, D. Matthews, E. Bezak	Are further studies needed to justify the use of proton therapy for paediatric cancers of the central nervous system?	Radiotherapy & Oncology 133:140-148		5.252
136.	2019		Moca, C.P., Chirla, R., Dóra, B., Zaránd, G.	Quantum Criticality and Formation of a Singular Fermi Liquid in the Attractive SU (N>2) Anderson Model	Physical Review Letters 123(13),136803		9.227
137.	2019		Werner, M.A., Moca, C.P., Legeza, Ö., Kormos, M., Zaránd, G.	Spin fluctuations after quantum quenches in the S=1 Haldane chain: Numerical validation of the semi-semiclassical theory	Physical Review B 100(3),035401		3.736
138.	2019		Shapir, I., Hamo, A., Pecker, S., (...), Zarand, G., Ilani, S.	Imaging the electronic Wigner crystal in one dimension	Science 364(6443), pp. 870-875		41.063
139.	2020		L. Marcu	Imaging biomarkers of tumour proliferation and invasion for personalised lung cancer therapy	Journal of Personalized Medicine 10(4):222		4.433
140.	2020		P. Reid, A. Staudacher, L. Marcu , I. Olver, L. Moghaddasi, M. Brown, Y. Li, E. Bezak	Intrinsic radiosensitivity is not the determining factor in treatment response differences between HPV negative and HPV positive head and neck cancers	Cells 9(8):1788		4.366
141.	2020		H.Y. Wong, L. Marcu , E. Bezak, N. Parange	Review of health economics of point-of-care testing worldwide and its efficacy of implementation in the primary health care setting in remote Australia	Risk Management and Healthcare Policy 13:379-386		2.429

142.	2020		A. Dinu, T. Flonta, L. Marcu	The impact of breast irradiation using thermoplastic mask on treatment delivery and acute effects	Romanian Reports in Physics 72(2), 603		2.147
143.	2020		P. Reid, A. Staudacher, L. Marcu , I. Olver, L. Moghaddasi, M. Brown, E. Bezak	Influence of the human papillomavirus on the radio-responsiveness of cancer stem cells in head and neck cancers	Scientific Reports 10, 2716		3.998
144.	2020		L. De Courcy, E. Bezak, L. Marcu	Gender-dependent radiotherapy: the next step in personalised medicine?	Critical Reviews in Oncol/Hematol 147: article no. 102881		5.833
145.	2020		G. Barabino, M. Frize, F. Ibrahim, E. Kaldoudi, L. Lhotska, L. Marcu , M. Stoeva, V. Tsapaki, E. Bezak	Solutions to gender balance in STEM fields through Support, Training, Education and Mentoring – report of the International Women in Medical Physics and Biomedical Engineering Task Group	Science & Engineering Ethics 26:275-292		2.787
146.	2020		R. Al Darwish, L. Marcu , E. Bezak	Overview of current applications of the Timepix detector in spectroscopy, radiation and applied physics	Applied Spectroscopy Reviews 55(3):243-261		5.074
147.	2020		Bacsi, A., Moca, C.P., Zarand, G., Dora, B.	Vaporization Dynamics of a Dissipative Quantum Liquid	Physical Review Letters 125(26),266803		8.385
148.	2020		Scherübl, Z., Fülöp, G., Moca, C.P., (...), Zaránd, G., Csonka, S.	Large spatial extension of the zero-energy Yu–Shiba–Rusinov state in a magnetic field	Nature Communications 11(1),1834		12.121
149.	2020		Werner, M.A., Moca, C.P., Legeza, Ö., Zaránd, G.	Quantum quench and charge oscillations in the SU(3) Hubbard model: A test of time evolving block decimation with general non-Abelian symmetries	Physical Review B 102(15),155108		3.575
150.	2020		Sticlet, D., Moca, C.P., Dóra, B.	All-electrical spectroscopy of topological phases in	Physical Review B 102(7),e075437		3.575

				semiconductor-superconductor heterostructures			
151.	2020		Moca, C.P., Izumida, W., Dóra, B., (...), Asbóth, J.K., Zaránd, G.	Topologically Protected Correlated End Spin Formation in Carbon Nanotubes	Physical Review Letters 125(5),056401		8.385
152.	2020		Dóra, B., Moca, C.P.	Quantum Quench in P T - Symmetric Luttinger Liquid	Physical Review Letters 124(13),136802		8.385
153.	2020		Bácsi, Á., Moca, C.P., Dóra, B.	Dissipation-Induced Luttinger Liquid Correlations in a One-Dimensional Fermi Gas	Physical Review Letters 124(13),136401		8.385
154.	2020		A. Östlin, Y. Zhang, H. Terletska, F. Beișeanu, V. Popescu, K. Byczuk, L. Vitos, M. Jarrell, D. Vollhardt, and L. Chioncel	<i>AB INITIO</i> TYPICAL MEDIUM THEORY OF SUBSTITUTIONAL DISORDER	Phys. Rev. B 101, 014210		3.575
155.	2020	aprilie	Stanasel, O.D., Bota, S.R., Stanasel, I., Blidar, C.F., Serban, G.	Optimization by experimental design of Cooper absorption on natural clay	Revista de Chimie	2668-8212 on line 0034-7752 print	1.755
156.	2020	feb	Cicort-Lucaciu, AS; Cupsa, D; Sucea, FN; Ferenti, S; Covaciuc-Marcov, SD	Litter-dwelling invertebrates in natural and plantation forests in the southern Carpathians, Romania	Baltic Forestry	1392-1355	0.772
157.	2020	iulie	Cicort-Lucaciu, AS	Road-killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in North-Western Romania.	Nature Conservation Research	2500-008X	0.283
158.	2020	iulie	Covaciuc-Marcov, SD; Popovici, PV; Cicort-Lucaciu, AS; Sas-	Herpetofauna diversity in the middle of the Southern Carpathians: data from a recent	Eco Mont-Journal On Protected Mountain Areas Research	ISSN 2073-106X print version –	0.667

			Kovacs, I; Cupsa, D; Ferenti, S	survey (2016-2018) in Cozia National Park (Romania).		ISSN 2073-1558	
159.	2020	aprilie	Covaci-Marcov, SD; Cicort-Lucaci, AS; Pop, DR; Lucaci, BI; Ferenti, S	More road-killed Caspian Whipsnakes (<i>Dolichophis caspius</i>): an update on the species distribution along the Danube, in Romania.	Amphibian & Reptile Conservation	1083 – 446x	1.133
160.	2020	mai	Ile, G.A., Maier, A.R.M., Cadar, A.M., Covaci-Marcov, S.D., Ferentă, S.	Dead snakes and their stories: morphological anomalies, assymetries and scars of road killed <i>Dolichophis caspius</i> (Serpentes, Colubridae) from Romania.	Herpetozoa	2682-955X (online) 1013-4425 (print)	0.643
161.	2020	6	Bungau S., Behl T., Tit D.M., Banica F., Bratu O.G., Diaconu C.C., Nistor-Cseppento C.D., Bustea C., Corb Aron R.A., Vesa C.M.	Interactions between leptin and insulin resistance in patients with prediabetes, with and without NAFLD	Exp. Ther. Med	1792-1015 1792-0981	1.785
162.	2020	10	Bărdacă Urducea C., Nechifor A.C., Dimulescu I.A., Oprea O., Nechifor G., Totu E.E., Isildak I., Albu P.C., Bungău S.G.	Control of Nanostructured Polysulfone Membrane Preparation by Phase Inversion Method	Nanomaterials	2079-4991	4.324
163.	2020	10	Behl T., Bungau S*, Kumar K., Zengin G., Khan F., Kumar A., Kaur R., Venkatachalam T., Tit D.M., Vesa C.M., Barsan G., Mosteanu D.E.	Pleotropic Effects of Polyphenols in Cardiovascular System	Biomed. Pharmacother	0753-3322	4.545
164.	2020	11	Behl T., Chadha S., Kumar A., Hafeez A., Mehta V., Bungau S.	Ubiquitination in rheumatoid arthritis	Life Sciences	0024-3205	3.607
165.	2020	11	Behl T., Kaur I., Sehgal A., Kumar A., Uddin	The Interplay of ABC Transporters in A β	Molec. Neurobiol.	0272-4340	4.5

			M.S., Bungau S. Molec. Neurobiol.	Translocation and Cholesterol Metabolism: Implicating their Roles in Alzheimer's Disease.			
166.	2020	12	Behl T., Kaur I., Sehgal A., Zengin G., Brisc C., Brisc M.C., Munteanu M.A., Nistor-Cseppento D.C., Bungau S.	The lipid paradox as a metabolic checkpoint and its therapeutic significance in ameliorating the associated cardiovascular risks in rheumatoid arthritis patients.	Int. J. Mol. Sci.	1422-0067	4.556
167.	2020	8	Behl T., Sharma A., Sharma L., Sehgal A., Zengin G., Brata R., Fratila O., Bungau S.	Exploring the Multifaceted Therapeutic Potential of Withaferin A and its Derivatives.	Biomedicines	2227-9059	4.717
168.	2020	11	Chandra H., Singh C., Kumari P., Yadav S., Mishra A.P., Laishevcev A., Brisc C., Brisc M.C., Munteanu M.A., Bungau S.	Promising Roles of Alternative Medicine and Plant-Based Nanotechnology as Remedies for Urinary Tract Infections	Molecules	1420-3049	3.267
169.	2020	10	Gheorghe G., Bungau S.* Ilie M., Behl,T., Vesa C.M., Brisc C., Bacalbasa, N., Turi V., Costache R.S., Diaconu C.C.	Early Diagnosis of Pancreatic Cancer: The Key for Survival.	Diagnostics	2075-4418	3.11
170.	2020	10	Glevitzky M., Aleya L., Vica M.L., Dumitrel G.-A., Avram M., Tit D.M., Popa M., Popa V.-C., Behl T., Bungau S.*	Assessing the microbiological contamination along with environmental factors of old books in the 1490-founded Bistrița Monastery, Romania	Environ Sci Pollut Res	2375-4397	3.056
171.	2020	11	Mukhtar M., Bilal M., Rahdar A., Barani M., Arshad R., Behl, T., Brisc C., Banica F., Bungau S.	Nanomaterials for Diagnosis and Treatment of Brain Cancer: Recent Updates.	Chemosensors	2227-9040	3.108

172.	2020	10	Makkar R., Behl T., Kumar A., Uddin M.S., Bungau S.	Untying the correlation between apolipoproteins and rheumatoid arthritis.	Inflammation Research.	1178-7031	3.147
173.	2020	11	Rana T., Behl T., Sehgal A., Srivastava P., Bungau S.	Unfolding the Role of BDNF as a Biomarker for Treatment of Depression.	J Molec. Neurosci.	1097-4547	2.678
174.	2020	12	Sharma I., Behl T., Bungau S., Sachdeva M., Kumar A., Zengin G.	Understanding the role of inflammasomes in angina pectoris.	Current Protein & Peptide Science	1875-5550	2.52
175.	2020	10	Behl T., Kaur I., Fratila O., Brata R., Bungau, S*.	Exploring the Potential of Therapeutic Agents Targeted towards Mitigating the Events Associated with Amyloid-β Cascade in Alzheimer's Disease.	Int. J. Mol. Sci.	1422-0067	4.556
176.	2020		Shah S.A.A., Hassan S.S., Bungau S.*, Si Y., Xu H., Rahman M.H., Behl T., Gitea D., Pavel F.-M., Corb Aron,R.A., Pasca B., Nemeth S.	Chemically Diverse and Biologically Active Secondary Metabolites from Marine Phylum chlorophyta.	Mar. Drugs	1660-3397	4.073
177.	2020	8	Negrut N., Bungau S.*, Behl T., Khan S.A., Vesa C.M., Bustea C., Nistor-Cseppento D.C., Rus M., Pavel F.-M., Tit D.M.	Risk Factors Associated with Recurrent Clostridioides difficile Infection.	Healthcare	2227-9032	1.916
178.	2020	10	Makkar R., Behl T., Kumar A., Uddin M.S., Bungau S.	Untying the correlation between apolipoproteins and rheumatoid arthritis	Inflamm. Res.	1178-7031	3.174
179.	2020	9	Pantea-Roşan L.R., Pantea V.A., Bungau S*,e., Tit D.M., Behl T., Vesa C.M., Bustea C., Moleriu R.D., Rus M.,	No-Reflow after PCI—A Predictor of Short-Term Outcomes in STEMI Patients.	J. Clin. Med.	2077-0383	3.303

			Popescu M.I., Turi V., Diaconu C.C.				
180.	2020	9	Nijhawan P., Behl T., Bungau S., Uddin M.S., Zengin G., Arora S.	Molecular insights into therapeutic promise of targeting of Wnt/ β - catenin signaling pathway in obesity	Molecular Biology Reports	1573-4978	1.402
181.	2020	8	Behl T., Kaur G., Bungau S.* ^e , Jhanji R., Kumar A., Mehta V., Zengin G., Brata R., Hassan S.S., Fratila O.	Distinctive Evidence Involved in the Role of Endocannabinoid Signalling in Parkinson's Disease: A Perspective on Associated Therapeutic Interventions	Int. J. Mol. Sci.	1422-0067	4.556
182.	2020	11	Chadha S., Behl T., Bungau S., Kumar A., Arora R., Gupta A., Uddin M.S., Zengin G., Aleya L., Setia D., Arora S.	Mechanistic insights into the role of pyroptosis in rheumatoid arthritis	Current Research in Translational Medicine	2452-3186	2.375
183.	2020		Vesa C.M., Behl T., Nemeth S., Bratu O.G., Diaconu C.C., Moleriu R.D., Negru N., Zaha D.C., Bustea C., Ionita Radu F., Bungau S.	Prediction of NAFLD occurrence in prediabetes patients.	Exp. Ther. Med.	1792-1015 1792-0981	1.785
184.	2020	8	Uddin M.S., Kabir M.T., Tewari D., Al Mamun A., Barreto G.E., Bungau S.G., Bin-Jumah M.N., Abdel-Daim M.M., Ashraf G.M.	Emerging Therapeutic Promise of Ketogenic Diet to Attenuate Neuropathological Alterations in Alzheimer' S Disease	Molec. Neurobiol.	0893-7648	4.5
185.	2020	7	Uiavaraseanu B., Bungau S.* ^e , Tit D.M., Fratila O., Rus M., Maghiar T.A., Maghiar O., Pantis C., Vesa C.M., Zaha D.C.	Clinical, pathological and microbiological evaluation of diabetic foot syndrome.	Medicina	1648-9144	1.205

186.	2020	10	Kaur I., Behl T., Bungau S., Kumar A., Mehta V., Setia D., Uddin M.S., Zengin G., Aleya L., Arora S.	Exploring the Therapeutic Promise of Targeting HMGB1 in Rheumatoid Arthritis	Life Sciences	2372-613X	3.607
187.	2020	7	Makkar R., Behl T., Bungau S., Kumar A., Arora S.	Understanding the role of inflammasomes in rheumatoid arthritis	Inflammation	1573-2576	3.212
188.	2020	9	Kaur I., Behl T., Bungau S., Zengin G., Kumar A., El-Sawi M.A., Khullar G., Venkatachalam, T., Arora S.	The endocannabinoid signaling pathway as an emerging target in pharmacotherapy, earmarking mitigation of destructive events in rheumatoid arthritis	Life Sciences	2372-613X	3.647
189.	2020	7	Gheorghe G., Toth P.P., Bungau S*, Behl T., Ilie M., Pantea Stoian A., Bratu O.G., Bacalbasă N., Rus M., Diaconu C.C.	Cardiovascular Risk and Statin Therapy Considerations in Women	Diagnostics	2075-4418	3.11
190.	2020	9	Behl T., Kaur I., Bungau S.*, Kumar A., Uddin M.S., Kumar C., Pal G., et al., Life Sciences	The dual impact of ACE2 in COVID-19 and ironical actions in geriatrics and pediatrics with possible therapeutic solutions	Life Sciences	2372-613X	3.647
191.	2020	7	Banica F., Bungau S.*, Tit D.M., Behl T., Otrisal P., Nechifor A.C., Gitea D., Pavel F.-M., Nemeth S., Processes	Determination of the total polyphenols content and antioxidant activity of Echinacea purpurea extracts using newly manufactured glassy carbon electrodes modified with carbon nanotubes	Processes	2227-9717	2.753
192.	2020	7	Uddin M.S., Al Mamun A., Sumsuzzman D.M., Ashraf G.M., Perveen A., Bungau S.G., Mousa S.A., El-Seedi H.R.,	Emerging Promise of Cannabinoids for the Management of Pain and Associated Neuropathological	Front. Pharmacol.	1663-9812	4.225

			Bin-Jumah M.N., Abdel-Daim M.M.	Alterations in Alzheimer's Disease			
193.	2020	6	Abdel-Daim M.M., Abo El-Ela F.I., Alshahrani F.K., Bin-Jumah M., Al- Zharani M., Almutairi B., Alyousif M.S., Bungau S., Aleya L., Alkahtani S.	Protective effects of thymoquinone against acrylamide-induced liver, kidney and brain oxidative damage in rats.	Environ Sci Pollut Res.	1614-7499	3.056
194.	2020	7	Kabir M.T., Uddin M.S., Hossain M.F., Abdulhakim J.A., Alam M.A., Ashraf G.M., Bungau S., Bin-Jumah M.N., Abdel-Daim M.M., Aleya L.	nCOVID-19 Pandemic from Molecular Pathogenesis to Potential Investigational Therapeutics	Front. Cell Dev. Biol.	2296-634X	5.201
195.	2020	6	Makkar R., Behl T., Bungau S.* e, Zengin G., Mehta V., Kumar A., Uddin M.S., Ashraf G.M., Abdel-Daim M.M., Arora S., Oancea R.	Nutraceuticals in Neurological Disorders	Int. J. Molecular Sci.	1422-0067	4.556
196.	2020	1	Motorca M.A., Buhas C.L., Bungău S.G.*, Judea-Pusta C.T., Nicula C.A., Rus M., Stănescu A.M.A., Venter A.C., Diaconu C.C., Marian P.	The morphological characteristics of the physically abused children. Report of a case and literature review	Rom. J. Morphol. Embriol.	2066-8279	1.411
197.	2020	6	Das S.S., Bharadwaj P., Bilal M., Barani M., Rahdar A., Taboada P., Bungau S.e, Kyzas G.Z.	Stimuli-Responsive Polymeric Nanocarriers for Drug Delivery, Imaging, and Theragnosis	Polymers	2073-4360	3.426
198.	2020	2	Glevitzky I., Dumitrel G.-A., Glevitzky M., Bungau S., Popa M.	Aspects Concerning the Management of Groundwater in	J. Environ. Prot. Ecol.	1311-5065	0.692

				the Farau Area – Alba County, Romania			
199.	2020	6	Morgovan C., Cosma S., Valeanu M, Juncan A.M., Rus L.L., Gligor F.G., Butuca A, Tit D.M., Bungau S.e, Ghibu S.	An exploratory research of 18 years on the economic burden of diabetes for the Romanian National Health Insurance System	Int. J. Environ. Public Health	1660-4601	2.849
200.	2020	6	Turi V., Dragan S., Iurciuc M., Moleriu L.C., Bungau S.*.e, Tit D.M., Toader D.-O., Diaconu C.C., Behl T., Petre I.	Arterial Function in Healthy Pregnant Women vs. Non-Pregnant Women—A 10-Year Study	Diagnostics	2075-4418	3.11
201.	2020	5	Negrut N., Nistor-Csepento D.C., Khan S.A., Pantis C., Maghiar T.A., Maghiar O., Aleya S., Rus M., Tit D.M., Aleya L., Rahdar A., Bungau S.*	Clostridium difficile infection epidemiology over a period of 8 years – a single centre study	Sustainability	2071-1050	2.576
202.	2020	5	Laslo C.L., Bacalbaşă N., Stănescu A.M.A., Carsote M., Bungău S., Rus M., Bratu O.G., Diaconu C.C.	New oral anticoagulants – possible extension to other indications (Review)	Exp. Ther. Med.	1792-1015 1792-0981	1.785
203.	2020	5	Iorga R.A., Bacalbaşă N., Carsote M., Bratu O.G., Stănescu A.M.A., Bungău S., Pantiş C., Diaconu C.C.	Metabolic and cardiovascular benefits of GLP-1 agonists, besides the hypoglycemic effect (Review)	Exp. Ther. Med.	1792-1015 1792-0981	1.785
204.	2020	5	Sivasankarapillai V.S., Madhu Kumar Nair R., Rahdar A., Bungau S.e, Zaha D.C., Aleya L., Tit D.M.	Overview of the anticancer activity of Withaferin A, an active constituent of the Indian Ginseng <i>Withania somnifera</i>	Environ. Sci. Pollut. Res.	1614-7499	3.056

205.	2020	2	Moisi M., Vesa C.M., Bungau S., Tit D.M., Corb Aron R.A., Bratu O., Diaconu C.C., Rus M., Popescu M.I.	Acute kidney injury incidence and models for mortality prediction in acute coronary syndromes	Rom. J. Mil. Med.	2501-2312	
206.	2020	2	Negrut N., Khan S.A., Bungau S., Zaha C., Corb Aron R.A., Bratu O., Diaconu C.C., Ionita-Radu F.	Diagnostic challenges in gastrointestinal infections	Rom. J. Mil. Med.	2501-2312	
207.	2020	1	Ginghina R.E., Bojin D., Tiganescu T.V., Petrea N., Bungau S.*, Mosteanu D.-E.	Research on the efficiency of testing a new adsorbent material with cellulose structure for the depollution of waste water	Mater. Plast.	0025-5289	1.517
208.	2020	4	Oana Delia Stănel, Sanda Rodica Bota, Iulian Stănel, Cristian Felix Blidar, Georgeta Ţerban	Optimization by experimental design of copper adsorption on natural clay	Revista de Chimie	0034-7752	1.605
209.	2020	4	Popa A.R., Fratila O., Rus M., Corb Aron R.A., Vesa C.M., Pantis C., Diaconu C.C., Bratu O., Bungau S.*, Nemeth S.	Risk factors for adiposity in the urban population and influence on the prevalence of overweight and obesity	Exp. Ther. Med.	1792-1015 1792-0981	1.785
210.	2020	4	Zaha D.C., Vesa C., Uivarosan D., Bratu O., Fratila O., Tit D.M., Pantis C., Diaconu C.C., Bungau S., Exp. Ther. Med.	Influence of inflammation and adipocyte biochemical markers on the components of metabolic syndrome	Exp. Ther. Med.	1792-1015 1792-0981	1.785
211.	2020	4	Spinu A.D., Bratu O.G., Diaconu C.C., Stanescu Ama, Bungau S., Fratila O.,	Botulinum toxin in low urinary tract disorders - over 30 years of practice (Review)	Exp. Ther. Med.	1792-1015 1792-0981	1.785

			Bohiltea R., Mischianu D.L.D.				
212.	2020	1	Spinu A.D., Bratu O.G., Marcu D.R., Stanciu A.E., Gherghiceanu F, Ionita-Radu F., Bungau S., Stanescu A.M.A., Mischianu D., 7(1), 2020, 23-28	Underactive bladder - an underestimated entity	J. Mind Med. Sci.	2392-7674	
213.	2020	4	Otrisal P., Friess K., Urban M., Bungau S.e, Tit D.M., Mosteanu D.E., Melicharik Z., Bungau C., Aleya L.	Barrier properties of anti-gas military garments, considering exposure to gas organic compounds	Sci. Tot. Environ.	0048-9697	6.551
214.	2020	3	Moisi M.I., Rus M., Bungau S.*.e, Zahă C.D., Uivarosan D., Fratila O., Tit D.M., Endres L., Nistor- Cséppento D.C., Popescu M.I.	Acute coronary syndromes in chronic kidney disease: clinical and therapeutic characteristics	Medicina	1648-9144	1.205
215.	2020	2	Zaha D.C., Bungau S.*.e, Uivarosan D., Tit D.M., Maghiar T.A., Maghiar O., Pantis C., Fratila O., Rus M., Vesa C.M.	Antibiotic consumption and microbiological epidemiology in surgery departments: results from a single study center	Antibiotics-Basel	2079-6382	3.893
216.	2020	2	Borioug M., Ezzaza K., Bouabid R., Alaoui- Mhamdi M., Bungau S., Bourgeade P., Alaoui- Sosse L., Alaoui-Sosse B., Aleya L.	Influence of hydro- and osmo- priming on sunflower seeds to break dormancy and improve crop performance under water stress	Environ. Sci. Pollut. Res.	1614-7499	3.056
217.	2020	1	Alkahtane A.A., Ghanem E., Bungau S.G., Alarifi S., Ali D., Albasher G., Alkahtani	Carnosic acid alleviates chloryrifos-induced oxidative stress and inflammation in mice cerebral and ocular tissues	Environ. Sci. Pollut. Res.	1614-7499	3.056

			S., Aleya L., Abdel-Daim M.M.				
218.	2020	1	Abdel-Daim M.M., Abushouk A.I., Bahbah E.I., Bungau S.G., Alyousif M.S., Aleya L., Alkahtani S.	Fucoidan protects against subacute diazinon-induced oxidative damage in cardiac, hepatic, and renal tissues	Environ. Sci. Pollut. Res.	1614-7499	3.056
219.	2020	2	Uivarosan D., Bungau S.*^e , Tit D.M., Moisa C., Fratila O., Rus M., Bratu O.G., Diaconu C., Pantis C.	Financial burden of stroke reflected in a pilot centre for the implementation of thrombolysis	Medicina	1648-9144	1.205
220.	2020	1	Ilea C.D.N., Daina L., Bungau S.e, Tit D.M., Uivarosan D., Moleriu L., Petre I., Bungau C., Petre I.	Sustainable management, instable legislation regarding the wages, and employee satisfaction / motivation in two Romanian hospitals	Sustainability	2071-1050	2.576
221.	2020	2	Aleissa M.S., Alkahtani S., Abd Eldaim M.A., Ahmed A.M., Bungau S.G., Almutairi B., Bin-Jumah M., Alkahtane A.A., Alyousif M.S., Abdel-Daim M.M.	Fucoidan ameliorates oxidative stress, inflammation, DNA damage and hepatorenal injuries in diabetic rats intoxicated with aflatoxin B1	Oxid. Med. Cell. Longev.	1942-0994	5.76
222.	2020	2	Codrean A., Dumitrascu D.L., Codrean V., Tit D.M., Bungau S.e, Aleya S., Rus M., Fratila O., Nistor Cseppento D.C., Aleya L., Negru N.	Epidemiology of human giardiasis in Romania: a 14 years survey	Sci. Tot. Environ.	0048-9697	6.551
223.	2020	1	Abdel-Daim M.M., Abushouk A.I., Bungau S.G., Bin-Jumah M., El-Kott A.F., Shati A.A., Aleya L., Alkahtani S.	Protective effects of thymoquinone and diallyl sulphide against malathion-induced toxicity in rats	Environ. Sci. Pollut. Res.	1614-7499	3.056

Total punctaj număr de lucrări științifice (Punctaj = nr. lucrări ISI \times 30) = **223 x 30 = 6690**

4.1.2. Punctaj cumulat ISI:

Total punctaj cumulat ISI (Punctaj = suma factorilor ISI ai revistelor \times 5) = **680.8 x 5 = 3404**

ANEXA 4.1.3 Număr de citări în reviste de specialitate cotate ISI:

Nr. crt	Anul citării		Autor(i)	Titlul articolului	Revista ISI	ISSN
	An	Luna				
1.	2016		Marcu L	Alamir, M., Fiacchini, M, Observer-based efficiency enhancement in cell-cycle specific therapies	2016 IEEE 55th Conference on Decision and Control, CDC 2016 7798638, pp. 2507-2512	
2.	2016		Marcu L	Zhu, X., et al The role of human papillomavirus in head and neck cancer and the impact on radiotherapy outcome	Acta Oto-Laryngologica 136 (12), pp. 1291-1298	
3.	2016		Marcu L	Sollazzo et al, Interaction of low and high LET radiation in TK6 cells - Mechanistic aspects and significance for radiation protection	Journal of Radiological Protection 36 (4), pp. 721-735	
4.	2016		Marcu L	Hong et al, Tumor hypoxia and reoxygenation: The yin and yang for radiotherapy	Radiation Oncology Journal 34 (4), pp. 239-249	
5.	2016		Marcu L	Manoochehri et al, Hypoxia: A Double-Edged Sword in Cancer Therapy	Cancer Investigation 34 (10), pp. 536-545	
6.	2016		Marcu L	Zschaec et al, PRONTOX - proton therapy to reduce acute normal tissue toxicity in locally advanced non-small-cell lung carcinomas (NSCLC): Study protocol for a randomised controlled trial	Trials 17 (1), 543	
7.	2016		Marcu L	Mashouf et al, Sensitivity of clinically relevant dosimetric parameters to contouring uncertainty in postimplant dosimetry of low-dose-rate prostate permanent seed brachytherapy	Brachytherapy 15 (6), pp. 774-779	
8.	2016		Marcu L	Taylor et al, Quantifying hypoxia in human cancers using static PET imaging	Physics in Medicine and Biology 61 (22), pp. 7957-7974	

9.	2016		Marcu L	Grassberger et al, Methodologies in the modeling of combined chemo-radiation treatments	Physics in Medicine and Biology 61 (21), pp. R344-R369	
10.	2016		Marcu L	Saberian et al, A theoretical stochastic control framework for adapting radiotherapy to hypoxia	Physics in Medicine and Biology 61 (19), pp. 7136-7161	
11.	2016		Marcu L	Santos et al, Evaluation of the genotoxicity and cytotoxicity of filling pastes used for pulp therapy on deciduous teeth using the micronucleus test on bone marrow from mice (<i>Mus musculus</i>)	Mutagenesis 31 (5), pp. 589-595	
12.	2016		Marcu L	Barbosa et al, Polymorphisms in methylenetetrahydrofolate reductase and cystathione beta-synthase in oral cancer – a case-control study in southeastern Brazilians	Brazilian Journal of Otorhinolaryngology 82 (5), pp. 558-566	
13.	2016		Marcu L	Mandziuk et al, Tirapazamine has no Effect on Hepatotoxicity of Cisplatin and 5-fluorouracil but Interacts with Doxorubicin Leading to Side Changes in Redox Equilibrium	Basic and Clinical Pharmacology and Toxicology 119 (3), pp. 330-340	
14.	2016		Marcu L	Chai et al, P12 ^{CDK2-API} interacts with CD82 to regulate the proliferation and survival of human oral squamous cell carcinoma cell	Oncology Reports 36 (2), pp. 737-744	
15.	2016		Marcu L	Harris-Phillips et al, Stochastic predictions of cell kill during stereotactic ablative radiation therapy: Do hypoxia and reoxygenation really matter?	International Journal of Radiation Oncology Biology Physics 95 (4), pp. 1290-1297	
16.	2016		Marcu L	Rajkumar et al, Cisplatin concentrations in long and short duration infusion: Implications for the optimal time of radiation delivery	Journal of Clinical and Diagnostic Research 10 (7), pp. XC01-XC04	
17.	2016		Marcu L	Vallard et al, Intensity-modulated radiotherapy or volumetric-modulated arc therapy in patients with head and neck cancer: Focus on salivary glands dosimetry	Head and Neck 38 (7), pp. 1028-1034	
18.	2016		Marcu L	Kron et al, Dosimetry of ionising radiation in modern radiation oncology	Physics in Medicine and Biology 61 (14), pp. R167-R205	

19.	2016		Marcu L	Moghaddasi et al, Monte-Carlo model development for evaluation of current clinical target volume definition for heterogeneous and hypoxic glioblastoma	Physics in Medicine and Biology 61 (9), 3407, pp. 3407-3426	
20.	2016		Marcu L	Haworth A, Which patients benefit from post-implant CT dosimetry after real-time intraoperative planning for LDR prostate brachytherapy: Should intraoperatively planned patients be treated differently?	Journal of Medical Imaging and Radiation Oncology 60 (2), pp. 244-246	
21.	2016		Marcu L	Mitina et al, Which patients benefit from post-implant CT dosimetry after real-time intraoperative planning for low dose rate prostate brachytherapy? Case series and systematic literature review	Journal of Medical Imaging and Radiation Oncology 60 (2), pp. 260-267	
22.	2016		Marcu L	Strojan et al, Cumulative cisplatin dose in concurrent chemoradiotherapy for head and neck cancer: A systematic review	Head and Neck 38, pp. E2151-E2158	
23.	2016		Marcu L	Baumann et al, Radiation oncology in the era of precision medicine	Nature Reviews Cancer 16 (4), pp. 234-249	
24.	2016		Marcu L	Ghannam et al, An accelerated hypofractionated schedule with a daily concomitant boost after breast conservation surgery: The feasibility and toxicity	Journal of the Egyptian National Cancer Institute 28 (1), pp. 39-44	
25.	2016		Marcu L	Miao et al, MicroRNA-101 polymorphisms and risk of head and neck squamous cell carcinoma in a Chinese population	Tumor Biology 37 (3), pp. 4169-4174	
26.	2016		Marcu L	Phillips R, Targeting the hypoxic fraction of tumours using hypoxia-activated prodrugs	Cancer Chemotherapy and Pharmacology 77 (3), pp. 441-457	
27.	2016		Marcu L	Murphy et al, Differences in predictions of ODE models of tumor growth: A cautionary example	BMC Cancer 16 (1), 163	
28.	2016		Marcu L	Gu et al, Telomere length, genetic variants and risk of squamous cell carcinoma of the head and neck in Southeast Chinese	Scientific Reports 6, 20675	
29.	2016		Marcu L	Davies et al, Assessment of the feasibility of using transrectal ultrasound for postimplant dosimetry in low-dose-rate prostate brachytherapy	Medical Dosimetry 41 (4), pp. 290-295	

30.	2016		Marcu L	Pinto et al, Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities	Scientific Reports 6, 18765	
31.	2016		Marcu L	Guan et al, A meta-analysis of weekly cisplatin versus three weekly cisplatin chemotherapy plus concurrent radiotherapy (CRT) for advanced head and neck cancer (HNC)	Oncotarget 7 (43), pp. 70185-70193	
32.	2016		Marcu L	Papadimitrakopoulou et al, Phase i study of vandetanib with radiation therapy with or without cisplatin in locally advanced head and neck squamous cell carcinoma	Head and Neck 38 (3), pp. 439-447	
33.	2016		Marcu L	Pang et al, Cyclooxygenase-2: A role in cancer stem cell survival and repopulation of cancer cells during therapy	Stem Cells International 2016, 2048731	
34.	2016		Cavalu S	Parviaainen et al, Combined microstructural and mineralogical phase characterization of gallstones in a patient-based study in SW Spain - Implications for environmental contamination in their formation	Science of the Total Environment 573, pp. 433-443	
35.	2016		Cavalu S	Zaharia et al, Antimicrobial hybrid biocompatible materials based on acrylic copolymers modified with (Ag)ZnO/chitosan composite nanoparticles	European Polymer Journal 84, pp. 550-564	
36.	2016		Cavalu S	Kitahama et al, Surface-enhanced resonance Raman scattering of hemoproteins and those in complicated biological systems	Analyst 141 (17), pp. 5020-5036	
37.	2016		Cavalu S	Wang L, Determination of Nicotinic Acid and Metabolites in Urine, Cosmetics, and Pharmaceuticals by High-Performance Liquid Chromatography with Novel Electrochemical Detection	Analytical Letters 49 (10), pp. 1467-1479	
38.	2016		Cavalu S	Fazio et al, SERS detection of Biomolecules at Physiological pH via aggregation of Gold Nanorods mediated by Optical Forces and Plasmonic Heating	Scientific Reports 6, 26952	
39.	2016		Cavalu S	Cheng et al, Spectral and morphological classification of different chronic and acute	Digestive and Liver Disease 48 (5), pp. 519-527	

				Taiwanese gallstones via FTIR, SEM and ESEM-EDX microanalyses		
40.	2016		Cavalu S	Mostafa et al, Preparation and performance of $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ chromatographic column generator based on zirconium molybdsilicate	Radiochimica Acta 104 (4), pp. 257-265	
41.	2016		Cavalu S	Bumbu et al, Histological evidence concerning the osseointegration of titanium implants in the fractured rabbit femur	Journal of Histotechnology 39 (2), pp. 47-52	
42.	2016		Cavalu S	Liu et al, Simple bioconjugate chemistry serves great clinical advances: Albumin as a versatile platform for diagnosis and precision therapy	Chemical Society Reviews 45 (5), pp. 1432-1456	
43.	2016		Cavalu S	Zaharia et al, Thermal, morphological and structural characterization of chitosan-modified hybrid materials for prosthodontics	Revista de Chimie 67 (10), pp. 2022-2027	
44.	2016		Cavalu S	Kamakshi et al, Influence of substrate temperature on the properties of pulsed laser deposited silver nanoparticle thin films and their application in SERS detection of bovine serum albumin	Applied Physics B: Lasers and Optics 122 (5), 108	
45.	2016		Cavalu S	Todea et al, FTIR and NMR evidence of aluminosilicate microspheres bioactivity tested in simulated body fluid	Journal of Non-Crystalline Solids 432, pp. 413-419	
46.	2016		Filip S	Boumya et al, Electrochemical Impedance Spectroscopic Investigation in Detecting 2,4-dinitrophenylhydrazine Using Catalytic Effect of Copper at Glassy Electrode	Electroanalysis 28 (12), pp. 2965-2971	
47.	2016		Filip S	Netskina et al, Aqueous-alkaline NaBH_4 solution: The influence of storage duration of solutions on reduction and activity of cobalt catalysts	Renewable Energy 99, pp. 1073-1081	
48.	2016		Filip S	Pop et al, Structural, Spectroscopic, and Magnetic Characterization of Cobalt(III) Oxide–Disodium Tetraborate Glasses	Analytical Letters 49 (16), pp. 2587-2596	
49.	2016		Filip S	Cooper et al, Role of Hydrogen in Defining the n-Type Character of BiVO_4 Photoanodes	Chemistry of Materials 28 (16), pp. 5761-5771	

50.	2016		Filip S	Singh et al, Cr ³⁺ -Doped Yb ₃ Ga ₅ O ₁₂ Nanophosphor: Synthesis, Optical, EPR, Studies	Journal of Electronic Materials 45 (8), pp. 4076-4082	
51.	2016		Filip S	Hwang et al, Study on the water durability of zinc boro-phosphate glasses doped with MgO, Fe ₂ O ₃ , and TiO ₂	Journal of the Korean Physical Society 69 (2), pp. 157-163	
52.	2016		Filip S	Vedeanu et al, Structural investigation of V ₂ O ₅ -P ₂ O ₅ -K ₂ O glass system with antibacterial potential	Bulletin of Materials Science 39 (3), pp. 697-702	
53.	2016		Filip S	Singh et al, Combustion synthesized Fe doped CeO ₂ powder-characterization, optical absorption and EPR spectroscopy	Journal of Materials Science: Materials in Electronics 27 (5), pp. 4494-4500	
54.	2016		Filip S	Obayes et al, Structural and optical properties of strontium/copper co-doped lithium borate glass system	Materials and Design 94, pp. 121-131	
55.	2016		Filip S	Gorska et al, Vibration-reorientation dynamics, structural changes and its interrelation with the phase transition in polycrystalline [Cr(OC(NH ₂) ₂) ₆](BF ₄) ₃	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 154, pp. 237-242	
56.	2016		Filip S	Allothman et al, Preparation of new thermoluminescent material (100-x)B ₂ O ₃ -xLi ₂ O: Cu ²⁺ for sensing and detection of radiation	Bulletin of Materials Science 39 (1), pp. 331-336	
57.	2016		Filip S	Bosca et al, Effects of Gd ³⁺ : Ag co-doping on structural and magnetic properties of lead tellurite glass ceramics	Ceramics International 42 (1), pp. 1169-1176	
58.	2016		Filip S	Volpi et al, Optical and structural properties of Mn ²⁺ doped PbGeO ₃ -SbPO ₄ glasses and glass-ceramics	Journal of Non-Crystalline Solids 431, pp. 135-139	
59.	2016		Moca C	Dorda et al, Thermoelectric response of a correlated impurity in the nonequilibrium Kondo regime	Physical Review B - Condensed Matter and Materials Physics 94 (24), 245125	
60.	2016		Moca C	Kanazawa et al, Overscreened Kondo effect, (color) superconductivity, and Shiba states in Dirac metals and quark matter	Physical Review D - Particles, Fields, Gravitation and Cosmology 94 (11), 114005	

61.	2016		Moca C	Mohanta et al, Spin fluctuation and local magnetism of isolated Fe impurities in Pd _{1-x} V _x alloys studied by time differential perturbed angular distribution spectroscopy	Hyperfine Interactions 237 (1), 120	
62.	2016		Moca C	Herviou et al, Many-terminal Majorana island: From topological to multichannel Kondo model	Physical Review B - Condensed Matter and Materials Physics 94 (23), 235102	
63.	2016		Moca C	Protsenko et al, Interaction-induced local moments in parallel quantum dots within the functional renormalization group approach	Physical Review B - Condensed Matter and Materials Physics 94 (19), 195148	
64.	2016		Moca C	Krumnow et al, Fermionic orbital optimization in tensor network states	Physical Review Letters 117 (21), 210402	
65.	2016		Moca C	Ganguly et al, Spin dependent disorder in a junction device with spin orbit couplings	Journal of Physics: Conference Series 759 (1), 012028	
66.	2016		Moca C	Eymeoud et al, Mixed electrical-heat noise spectrum in a quantum dot	Physical Review B - Condensed Matter and Materials Physics 94 (20), 205416	
67.	2016		Moca C	Dutta et al, Aharonov-Bohm effect in a helical ring with long-range hopping: Effects of Rashba spin-orbit interaction and disorder	Physical Review B - Condensed Matter and Materials Physics 94 (19), 195414	
68.	2016		Moca C	Zheng et al, Resonance states and beating pattern induced by quantum impurity scattering in Weyl/Dirac semimetals	Scientific Reports 6, 36106	
69.	2016		Moca C	Harder et al, Study of the cavity-magnon-polariton transmission line shape	Science China: Physics, Mechanics and Astronomy 59 (11), 117511	
70.	2016		Moca C	Ruby et al, Orbital Picture of Yu-Shiba-Rusinov Multiplets	Physical Review Letters 117 (18), 186801	
71.	2016		Moca C	Horvat et al, Low-energy physics of three-orbital impurity model with Kanamori interaction	Physical Review B - Condensed Matter and Materials Physics 94 (16), 165140	

72.	2016		Moca C	Wong et al, Magnetic-field-induced mixed-level Kondo effect in two-level systems	Physical Review B - Condensed Matter and Materials Physics 94 (15), 155130	
73.	2016		Moca C	Le Hur et al, Many-body quantum electrodynamics networks: Non-equilibrium condensed matter physics with light	Comptes Rendus Physique 17 (8), pp. 808-835	
74.	2016		Moca C	Zhu et al, Observation of orbital two-channel Kondo effect in a ferromagnetic L10-MnGa film	Scientific Reports 6, 34549	
75.	2016		Moca C	Wenderoth et al, Sharp peaks in the conductance of a double quantum dot and a quantum-dot spin valve at high temperatures: A hierarchical quantum master equation approach	Physical Review B - Condensed Matter and Materials Physics 94 (12), 121303	
76.	2016		Moca C	Iftikhar et al, Primary thermometry triad at 6 mK in mesoscopic circuits	Nature Communications 7, 12908	
77.	2016		Moca C	Teratani et al, Field-Enhanced kondo correlations in a half-filling nanotube dot: Evolution of an SU(N) fermi-liquid fixed point	Journal of the Physical Society of Japan 85 (9), 094718	
78.	2016		Moca C	Gao et al, Kondo effect modified by Majorana doublet at end of a DIII-class topological superconductor	Physical Review B - Condensed Matter and Materials Physics 94 (10), 104506	
79.	2016		Moca C	Van Beek et al, Non-Kondo many-body physics in a Majorana-based Kondo type system	Physical Review B - Condensed Matter and Materials Physics 94 (11), 115416	
80.	2016		Moca C	McDonald et al, Dimensional crossover in semiconductor nanostructures	Nature Communications 7, 12726	
81.	2016		Moca C	Takada et al, Low-temperature behavior of transmission phase shift across a Kondo correlated quantum dot	Physical Review B - Condensed Matter and Materials Physics 94 (8), 081303	
82.	2016		Moca C	Hammar et al, Time-dependent spin and transport properties of a single-molecule magnet in a tunnel junction	Physical Review B - Condensed Matter and Materials Physics 94 (5), 054311	

83.	2016		Moca C	Karwacki et al, Spin-dependent thermoelectric effects in a strongly correlated double quantum dot	Physical Review B - Condensed Matter and Materials Physics 94 (8), 085418	
84.	2016		Moca C	Niklas et al, Blocking transport resonances via Kondo many-body entanglement in quantum dots	Nature Communications 7, 12442	
85.	2016		Moca C	Keller et al, Cotunneling Drag Effect in Coulomb-Coupled Quantum Dots	Physical Review Letters 117 (6), 066602	
86.	2016		Moca C	Li X, Number-resolved master equation approach to quantum measurement and quantum transport	Frontiers of Physics 11 (4), 110307	
87.	2016		Moca C	Suzuura et al, Theory of Hall effect in two-dimensional giant Rashba systems	Physical Review B - Condensed Matter and Materials Physics 94 (3), 035302	
88.	2016		Moca C	Zamoum et al, Nonsymmetrized noise in a quantum dot: Interpretation in terms of energy transfer and coherent superposition of scattering paths	Physical Review B - Condensed Matter and Materials Physics 93 (23), 235449	
89.	2016		Moca C	Nishikawa et al, Conditions for observing emergent SU(4) symmetry in a double quantum dot	Physical Review B - Condensed Matter and Materials Physics 93 (23), 235115	
90.	2016		Moca C	Liu et al, Spin-dependent Seebeck effect in Aharonov-Bohm rings with Rashba and Dresselhaus spin-orbit interactions	Physica E: Low-Dimensional Systems and Nanostructures 80, pp. 163-167	
91.	2016		Moca C	Wang et al, Three-dimensional Heisenberg critical behavior in the highly disordered dilute ferromagnetic semiconductor (Ga,Mn)As	Physical Review B - Condensed Matter and Materials Physics 93 (18), 184417	
92.	2016		Moca C	Mitchell et al, Universality and scaling in a charge two-channel Kondo device	Physical Review Letters 116 (15), 157202	
93.	2016		Moca C	Ganguly et al, Interplay of Rashba spin orbit coupling and disorder in the	European Physical Journal B 89 (4), 103	

				conductance properties of a four terminal junction device		
94.	2016		Moca C	Khotkevych et al, The possibility to determine a constant of spin-orbit interaction by scanning tunneling microscopy method	Fizika Nizkikh Temperatur 42 (4), pp. 387-397	
95.	2016		Moca C	Khotkevych et al, The possibility of determining the spin-orbit interaction constants using scanning tunneling microscopy	Low Temperature Physics 42 (4), pp. 298-307	
96.	2016		Moca C	Capponi et al, Phases of one-dimensional SU(N) cold atomic Fermi gases-From molecular Luttinger liquids to topological phases	Annals of Physics 367, pp. 50-95	
97.	2016		Moca C	Roura-Bas et al, Replicas of the Kondo peak due to electron-vibration interaction in molecular transport properties	Physical Review B - Condensed Matter and Materials Physics 93 (11), 115139	
98.	2016		Moca C	Villain et al, Jacques Friedel and the physics of metals and alloys	Comptes Rendus Physique 17 (3-4), pp. 276-290	
99.	2016		Moca C	Georges A, The beauty of impurities: Two revivals of Friedel's virtual bound-state concept	Comptes Rendus Physique 17 (3-4), pp. 430-446	
100.	2016		Moca C	Fu et al, In-gap localized states induced by adsorbates on silicene	Physical Review B - Condensed Matter and Materials Physics 93 (8), 085430	
101.	2016		Moca C	Alkurtass et al, Entanglement structure of the two-channel Kondo model	Physical Review B - Condensed Matter and Materials Physics 93 (8), 081106	
102.	2016		Moca C	Wojcik et al, Thermopower of strongly correlated T-shaped double quantum dots	Physical Review B - Condensed Matter and Materials Physics 93 (8), 085428	
103.	2016		Moca C	Krychowski et al, Spin-orbital and spin Kondo effects in parallel coupled quantum dots	Physical Review B - Condensed Matter and Materials Physics 93 (7), 075416	

104.	2016		Moca C	Antipov et al, Voltage Quench Dynamics of a Kondo System	Physical Review Letters 116 (3), 036801	
105.	2016		Moca C	Dare et al, Time-dependent thermoelectric transport for nanoscale thermal machines	Physical Review B - Condensed Matter and Materials Physics 93 (3), 035303	
106.	2016		Moca C	Zhang et al, Topological superconductivity in a multichannel Yu-Shiba-Rusinov chain	Physical Review B - Condensed Matter and Materials Physics 93 (2), 024507	
107.	2016		Moca C	Tooski et al, Regular and singular Fermi liquid in triple quantum dots: Coherent transport studies	Physica E: Low-Dimensional Systems and Nanostructures 75, pp. 345-352	
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347.	2018	Bungău Simona, Tit Delia Mirela, Fodor Katalin, et al.	Iono-molecular Separation with Composite Membranes. VII. Nitrophenols pertraction on capillary polypropylene S-EPDM composite membranes	Materiale Plastice	0025-5289
348.	2018	Bungău Simona, Tit Delia Mirela, Fodor Katalin, et al.	Reverse Logistics of Postconsumer Medicines: The Roles and Knowledge of Pharmacists in the Municipality of Sao Paulo, Brazil	Sustainability	2071-1050
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352.	2018	Miccoli, A., Restani P., Floroian L., Taus N., Badea, M., Cioca G., Bungău S.	Melatonin Supplementation Under Hypobaric Hypoxia and Hypothermia Conditions	Revista de Chimie	0034-7752
353.	2018	Miccoli, A., Restani P., Floroian L., Taus N., Badea, M., Cioca G., Bungău S.	Partially Defatted Pumpkin (<i>Cucurbita maxima</i>) Seeds - a Rich Source of Nutrients for Use in Food Products	Revista de Chimie	0034-7752
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357.	2018	Abdel-Daim M.M., Zakhary NI, Aleya L., Bungău S.G., Bohara RA, Siddiqi NJ.	Operational Procedures in the Theory of the Drug Release from Chitosan Hydrogels	Materiale Plastice	0025-5289
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361.	2018	Abdel-Daim M.M., Zakhary NI, Aleya L., Bungău S.G., Bohara RA, Siddiqi NJ.	Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (<i>Tanacetum Vulgare L.</i>)	Revista de Chimie	0034-7752
362.	2018	Abdel-Daim M.M., Zakhary NI, Aleya L., Bungău S.G., Bohara RA, Siddiqi NJ.	Dioxin Contamination after a Hypothetical Accidental Fire in Baled Municipal Solid Waste Storage	Revista de Chimie	0034-7752
363.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Aging, Metabolic, and Degenerative Disorders: Biomedical Value of Antioxidants	Oxidative Medicine and Cellular Longevity	1942-0900
364.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Iono-molecular Separation with Composite Membranes. VII. Nitrophenols pertraction on capillary polypropylene S-EPDM composite membranes	Materiale Plastice	0025-5289
365.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Determination of Ethanol in Fermented Broth by Headspace Gas Chromatography using Capillary Column	Revista de Chimie	0034-7752
366.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Isotherm and Kinetic Models for Biosorption of Cadmium Ions from Aqueous Solutions using Dry Peanut Shells and Hazelnut Shells	Revista de Chimie	0034-7752
367.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Electrochemical Sensors with Pharmaceutical Applications Based on Polymer Inclusion Membranes Containing Phosphomolybdic Acid Complexes	Farmacia	0014-8237
368.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Partially Defatted Pumpkin (<i>Cucurbita maxima</i>) Seeds - a Rich Source of Nutrients for Use in Food Products	Revista de Chimie	0034-7752
369.	2018	Badea M., Chiperea S., Balan M., Floroian L., Restani P., Marty JL., Iovan C., Tit DM., Bungau, S., Taus, N	Sensitive Electrochemical Detection Method of Melatonin in Food Supplements	Revista de Chimie	0034-7752
370.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D.,	Iono-molecular Separation with Composite Membranes. VII. Nitrophenols pertraction	Materiale Plastice	0025-5289

		Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	on capillary polypropylene S-EPDM composite membranes		
371.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Operational Procedures in the Theory of the Drug Release from Chitosan Hydrogels	Materiale Plastice	0025-5289
372.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Resveratrol alleviates motor and cognitive deficits and neuropathology in the A53T-synuclein mouse model of Parkinson's disease	Food & Function	2042-6496
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375.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Isotherm and Kinetic Models for Biosorption of Cadmium Ions from Aqueous Solutions using Dry Peanut Shells and Hazelnut Shells	Revista de Chimie	0034-7752
376.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Effects of a Proteic Swine Extract Associated to Recovery Treatment on Functional Independence and Quality of Life in Patients Post Stroke	Farmacia	0014-8237
377.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Partially Defatted Pumpkin (<i>Cucurbita maxima</i>) Seeds - a Rich Source of Nutrients for Use in Food Products	Revista de Chimie	0034-7752
378.	2018	Fodor K., Tit DM., Pasca B., Bustea C., Uivarosan D., Endres L., Iovan C., Abdel-Daim MM., Bungau, S.	Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (<i>Tanacetum Vulgare L.</i>)	Revista de Chimie	0034-7752
379.	2018	Oprea OB., Apostol L., Bungau S., Cioca G., Samuel AD., Badea M., Gaceu L.	Effects of Long Term Application of Organic and Mineral Fertilizers on Soil Enzymes	Revista de Chimie	0034-7752

380.	2018		Oprea OB., Apostol L., Bungau S., Cioca G., Samuel AD., Badea M., Gaceu L.	The Most Significant Influences of Decontamination Mixtures Containing Chlorinating and Oxidizing Agents on Barrier Materials Formed by Isobutylene - Isoprene Rubber	Materiale Plastice	0025-5289
381.	2018		Oprea OB., Apostol L., Bungau S., Cioca G., Samuel AD., Badea M., Gaceu L.	Experimental Survey Regarding the Dangerous Chemical Compounds from Military Polygons that Affect the Military Health and the Environment	Revista de Chimie	0034-7752
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383.	2018		Oprea OB., Apostol L., Bungau S., Cioca G., Samuel AD., Badea M., Gaceu L.	Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (<i>Tanacetum Vulgare L.</i>)	Revista de Chimie	0034-7752
384.	2018		Cicort-Lucaciu, AS; Cupsa, D; Ilies, D; Ilies, A; Baias, S; Sas, I	Pafilis, P; Kapsalas, G; Lymberakis, P; Protopappas, D; Sotiropoulos, K. Diet composition of the karpathos marsh frog (<i>Pelophylax cerigensis</i>): What does the most endangered frog in europe eat?	Animal Biodiversity and Conservation 42(1): 1-8	
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1098.	2020	Covaci-Marcov, S.-D., Cupsa, D., Ferenti, S., David, A., Dimancea, N	Feeding ecology of the Green Toad (<i>Bufo viridis</i> complex) in Urban Environments	Acta Zoologica Bulgarica	0324-0770 (print)
1099.	2020	Ferenti, S., Cupsa, D., Covaci-Marcov, S.-D.	Road killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in north-western Romania.	Nature Conservation Research	2500 008X
1100.	2020	Covaci-Marcov, S.-D., Puskas, A., Pop, A.N., Tart, A., Ferenti, S.	Road killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in north-western Romania.	Nature Conservation Research	2500 008X
1101.		Teodor, LA., Ferenti, S., Covaci-Marcov, SD	Road killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in north-western Romania.	Nature Conservation Research	2500 008X
1102.		Ile, G.A., Maier, A.R.M., Cedar, A.M., Covaci-Marcov, S.D., Ferent, S.	Road killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in north-western Romania.	Nature Conservation Research	2500 008X

1103.		Covaciuc-Marcov, S.-D., Cicort-Lucaciuc, A.S., Pop, D.R., Lucaciuc, B.I., Ferentă, S.	Road killed ground beetles prove the presence of <i>Carabus hungaricus</i> (Coleoptera: Carabidae) in north-western Romania.	Nature Conservation Research	2500 008X
1104.		Kovacs, E.-H., Sas, I., Covaciuc-Marcov, S.-D., Hartel, T., Cupsa, D., Groza, M.	Diet and Trophic Niche of two Sympatric <i>Psysalaemus</i> Species in Central Brazil.	South American Journal of Herpetology	Print 1808-9798
1105.		Sas, I., Covaciuc-Marcov, S.-D., Strugariu, A., David, A., Illea, C.	Moonlight rather than moon phase influences activity and habitat use in invasive amphibian predator and its native amphibian prey.	Acta Oecologica	1146-609X
1106.		Tomescu, N., Ferentă, S., Covaciuc-Marcov, S.-D., Sas, I., David, A.	The diet of a forest-dependent frog species, <i>Odorranal morafkai</i> (Anura: Ranidae), in relation to habitat disturbance.	Amphibia-Reptilia	0173-5373
1107.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D., Cogalniceanu, D., Babik, W	Integrative genetic phylogeography reveals signs of mitonuclear incompatibility in a natural hybrid goby population.	Evolution	1558-5646
1108.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D., Cogalniceanu, D., Babik, W	Comprehensive analysis of Salamander Hybridization Suggests a consistent Relationship between Genetic Distance and Reproductive Isolation across Tetrapods.	Copeia	0045-8511
1109.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D., Cogalniceanu, D., Babik, W	A reassessment of the diversity of green toads (<i>Bufoates</i>) in the circum-Aegean region.	Integrative Zoology	1749-4877
1110.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak,	Introgression obscures lineage boundaries and phylogenetic history in	Zoological Journal of the Linean Society	Online

		R., Covaciuc-Marcov, S.-D., Cogalniceanu, D., Babik, W	the western banded gecko, <i>Coleonix variegatus</i> (Squamata: Eublepharidae).		1096-3642
1111.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D. , Cogalniceanu, D., Babik, W	Genome-wide data reveal discordant mitonuclear introgression in the intermediate horseshoe bat.	Molecular Phylogenetics and Evolution	1055-7903
1112.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D. , Cogalniceanu, D., Babik, W	Missing the mark(er): pseudogenes identified through whole mitochondrial genome sequencing provide new insight into invasive lionfish genetics.	Conservation Genetics	1566-0621
1113.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D. , Cogalniceanu, D., Babik, W	Temporal landscape genetic data indicate an ongoing disruption of gene flow in a relict bird species.	Conservation Genetics	1566-0621
1114.		Zielinski, P., Nadachowska-Brzyska, K., Wielstra, B., Szkotak, R., Covaciuc-Marcov, S.-D., Cogalniceanu, D., Babik, W	Hybrid zone genomics supports candidate species in Iberian <i>Alytes obstetricans</i> .	Amphibia-Reptilia	0173-5373 Online 1568-5381
1115.		Covaciuc-Marcov, S.D., Bogdan, H.V., Ferentí, S.	The possible origin of the common wall lizard, <i>Podarcis muralis</i> (Laurenti, 1768) in Ukraine.	Herpetozoa	2682-955X
1116.		Covaciuc-Marcov, S.D., Sas, I., Cicort-Lucaciu A.S.	Monitoring of the last stronghold of native pool frogs (<i>Pelophylax lessonae</i>) in Western Europe, with implications for their conservation.	European Journal of Wildlife Research	1612-4642
1117.		Covaciuc-Marcov, S.D., Cicort-Lucaciu, A.S.	First record of facultative paedomorphosis in the turkish newt,	Herpetology Notes	2071-5773

			Lissotriton schmidtleri (Raxworthy, 1988) from Greece.		
1118.		Sas, I., Kovacs, E.-H., Covaci-Marcov, S.D., Strugariu, A., Covaci, R., Ferentti, S.	Feeding ecology of the Green Toad (<i>Bufo viridis</i> complex) in Urban Environments.	Acta Zoologica Bulgarica	0324-0770
1119.		Strugariu A., Gherghel I., Ghira I., Covaci-Marcov S.D., Mebert K.	Intensity and aggregation of <i>Tanqua anomala</i> (Linstow, 1904) in the dice snake from central Iraq.	Plant Archives	0972-5210
1120.		Cicort-Lucaciu A.S., Covaci-Marcov S.D. Sas I.	Morphology is a poor predictor of intraspecific admixture – the case of naturally hybridizing newts <i>Lissotriton montandoni</i> and <i>Lissotriton vulgaris</i> (Caudata: Salamandridae).	Amphibia-Reptilia	0173-5373 Online
1121.		Cupșa D.,	Integrating expert opinion and traditional ecological knowledge in invasive alien species management: <i>Corbicula</i> in Eastern Europe as a model	Biological Invasions	1387-3547
1122.		Kohler H.-R., Sandu C., Scheil V., Nagy-Petrica E.M., Segner H., Telcean I., Stan G., Triebeskorn R.	Quality screening of the Lagos lagoon sediment by assessing the cytotoxicity and toxicological responses of rat hepatoma H4IIE and fish PLHC-1 cell-lines using different extraction approaches	Environmental Research	0013-9351
1123.		R. Triebeskorn, I. Telcean, H. Casper, A. Farkas, C. Sandu, Gh. Stan, O. Colarescu, T. Dori, H-R. Kohler,	Polystyrene microplastics do not affect juvenile brown trout (<i>Salmo trutta f. fario</i>) or modulate effects of the pesticide methiocarb.	Environmental Sciences Europe	2190-4715

Total punctaj număr de citări în reviste de specialitate cotate ISI (Punctaj = nr. citări în reviste ISI (fără autocitări) x 30):

1123 x 30 = 33690

ANEXA 4.2. Brevete de inventie

Nr.crt	An	Autor(i)	Titlul brevetului	Nr. brevet
1.	2018	Gavriș Georgeta, Bungău Simona, Filip Sanda, Cărăban Alina	Metodă de recuperare a manganului din soluții reziduale	130914
2.	2018	Blidar Cristian Felix Titular: Sapient S.R.L. Oradea, Bihor, RO	Capsulă operculată gelatinoasă și procedeu de fabricație	129214, data eliberării OSIM: 29.11.2018
3.	2019	Gavriș Georgeta, Cărăban Alina	Metodă de epurare recuperativă a ionului de cadmiu din soluții reziduale	OSIM NR.130507-30.07.2019

Total punctaj brevete: x 30 = 3 x 30 = 90

ANEXA 4.3.1 Număr de produse, tehnologii, studii, servicii:

Nr. crt.	Data acordării		Tip (produs, tehnologie, studiu, serviciu)	Denumire	Instituția utilizatoare	Numarul contractului
	An	Luna				
1.	2016		Studiu	Documentație tehnică în vederea solicitării permisului de introducere în cultură, de către Acva Red Claw SRL a speciei <i>Cherax quadricarinatus</i>	SC AcvaRedClaw SRL	4/16.12.2016
2	2018		Metodologie	Metodă de recuperare a manganului din soluții reziduale	Universitatea din Oradea	OSIM, nr.130914
3	2019		Metodologie	Metodă de epurare recuperativă a ionului de cadmu din soluții reziduale	Universitatea din Oradea	OSIM NR.130507-30.07.2019

Total punctaj produse/tehnologii: x 20 = 3 x 20 = 60

5. CRITERII SECUNDARE DE PERFORMANȚĂ

5.1. LUCRĂRI PUBLICATE ÎN REVISTE DE SPECIALITATE FĂRĂ COTATIE ISI (Punctaj = nr. lucrări x 5):

Punctaj: 320 puncte

5.2. LUCRĂRI ȘTIINȚIFICE PREZENTATE LA CONFERINȚE INTERNAȚIONALE CU COMITET DE PROGRAM (Punctaj = nr. prezentări x 5):

Punctaj: 215 puncte

5.3. MODELE, PROTOTIPURI NORMATIVE, PROCEDURI (Punctaj = nr. proceduri x 5):

Punctaj: 30

Total punctaj cap. 5: 565 puncte

Punctaj cap. 5 (criterii secundare de performanță) / membru centru:

$565 / 34 = 16.6$ puncte

ANEXA 5.1 Lucrări publicate în reviste de specialitate fără cotație ISI:

Tabel 5.1.1. Lucrări publicate în ultimii 5 ani în reviste cotate BDI

Nr. crt.	Data publicării (An)	Autor(i)	Titlul lucrării	Revista	ISSN	Tipul revistei
1.	2016	Herle, A.I., Covaciuc-Marcov, S.-D., Ferentă, S.	Past industry vs. nature: which one influences more the terrestrial isopod assemblages from a town in western Romania?	Oltenia, Studii și Comunicări, Științele Naturii	1454-6914	BDI
2.	2016	Cupșa D., Goilean C	Studies upon the dynamics of the macrozoobenthic invertebrate communities from Valea Roșia River (Bihor County)	OLTENIA - STUDII SI COMUNICARI STIINTELE NATURII	1454-6914	Zoological Records
3.	2016	Tomescu, N., Teodor, L.A., Ferentă, S.; Covaciuc-Marcov, S.-D.	Two Protracheoniscus species (Crustacea, Isopoda, Oniscidea) in Romanian fauna: morphology, ecology and distribution.	Studia Universitatis Babes-Bolyai Cluj Napoca, Biologia	1221-8103	BDI
4.	2016	Bănică F., Țiț D. M., Bungău S., Suciu R., Stoicescu M., Uivaroșan D., Endres L.	Fast-food eating habits correlated with the lipid profile characteristics at teenagers	Analele Universității din Oradea. Fascicula Ecotoxicologie, Zootehnie și Tehnologii de Industrie Alimentară, XV/A, pp.149-54	(Ro.) 2065-3476, (En.) 2065-3484	BDI
5.	2016	Țenț A., Țiț D. M., Bungău S., Ignat R. I.	Comparative study on dental size anomalies at children with Down syndrome and without this disease	Analele Universității din Oradea. Fascicula Ecotoxicologie, Zootehnie și Tehnologii de Industrie Alimentară, XV/B, pp.205-10	(Ro.) 2065-3476, (En.) 2065-3484	BDI
6.	2016	Lupău C., Mihuțiu S., Țiț M., Bungău S.	Limiting factors of BRCA genetic testing at risk population	Analele Universității din Oradea. Fascicula Ecotoxicologie, Zootehnie și Tehnologii de Industrie Alimentară, XV/B, pp.265-70	(Ro.) 2065-3476, (En.) 2065-3484	BDI
7.	2016	Csapo Gheorghe M., Lazăr L., Corbu S., Bugău S., Miclăuș S. R.	The role of chemotherapy in cancer patients with a significant burden of cardiovascular diseases	Arad Medical Journal, XVIII(3), pp. 21-7	1224-3744 (print),	BDI

8.	2016	Petrehele Anda Ioana, Morgovan Claudia, Fodor Alexandrina, Mureşan Ioana,	The impact of the vanadate ions on the germination of the wheat seeds and the growth of the seedlings in the first days of life,	Analele Universității din Oradea, Fascicula Protecția Mediului, Vol. XXVII, pp.291-298	1224-6255	BDI
9.	2016	Petrehele Anda Ioana, Fodor Alexandrina, Morgovan Claudia, et al	Variation in time and relationship between turbidity, nitrates and microbiologic parameters in sources of drinking waters	Analele Universității din Oradea, Fascicula Protecția Mediului, Vol. XXVI, pp. 141-148	1224-6255	BDI
10.	2016	Robert Săndulescu, Luminita Fritea, Karine Gorgy, et al	Electrochemical and fluorescent properties of tetrazines in aqueous solution	ESEAC 2016, 16th International Conference on Electroanalysis, Bath, Marea Britanie, 12-16.06.2016,	ISBN 978-186-0435-26-3.	BDI
11.	2016	Robert Săndulescu, Anca Florea, Mihaela Tertiș, Oana Hosu, Luminița Fritea, Bianca Ciui, Cecilia Cristea,	Natural and biomimetic receptors for biosensor design	13rd International Conference Physical Chemistry 2016 Proceedings (Z. Čupić, S. Anić, Eds.) Vol. 1, pag. 358-366, Beograd 26-30 September 2016	ISBN 978-86-82475-34-7	BDI
12.	2016	Robert Săndulescu, Mihaela Tertiș, Anca Florea, Luminița Fritea, Oana Hosu, et al	Nanosized and nanostructured platforms for biosensors design	5th Workshop "Specific methods for food safety and quality" Proceedings (V. Vasić, Ed.), pag.126-133, Beograd 27 September 2016	ISBN 978-86-7306-133-7	BDI
13.	2017	G.E. Badea, S.Bota, M.Sebesan, S.Hodisan, D.Suarasan	Standard physico-chemical evaluation of some cosmetic products	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
14.	2017	Anda Ioana Anda Ioana Grațiela Petrehele, Sanda Rodica Bota, Alexandrina Fodor, Claudia Mona Morgovan, Denisa Ghenț	Synthesis study of the monolacunary KEGGIN K ₇ PMo ₁₁ O ₃₉	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
15.	2017	Oana Stănescu, Georgeta Gavriș, Anda Petrehele, Alina Cozma	Application of geothermometers in thermal reservoirs	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
16.	2017	Anda Ioana Grațiela Petrehele, Alexandrina Fodor, Claudia Mona Morgovan, Oana Delia Stănescu, Ioana Nagy	Determination of stability constants and optimal synthesis conditions for thiocyanate complex of Fe (III)	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract

17	2017	Alexandrina Fodor, Anda Ioana Gratiela Petrehele, Alina Cărăban	Survey of iron content in some vegetarian dietary sources	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
18	2017	Ganea Mariana, Alina Bota, Alina Cozma, Sanda Bota	Elaboration of a method for the determination of adrenaline by thin layer chromatography	Analele Universității din Oradea, Fascicula Protecția Mediului	1224-6255	BDI
19	2017	Ganea Mariana, Alina Cozma, Alina Cărăban, Sanda Bota	Elaboration of a method for synthesis for methyl p-hidroxilbenzoate, a food preservative	Analele Universității din Oradea, Fascicula Protecția Mediului	1224-6255	BDI
20	2017	Gavrîș Georgeta, Stoia Marcela, Stăñăsel Oana Delia, Petrehele Anda Ioana Gratiela	Recovering of manganese cations from industrial wastewater using oxalate precipitation	Analele Universității din Oradea, Fascicula: Protecția Mediului	1224-6255	BDI
21	2017	Voşgan, Z., Mihalescu, L., Jelea, M., Marian, M., Dumuţa, A., Pop, F., Mare Roşca, O., Blidar, C.F.	The incidence of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) in raw goat milk collected during different seasons.	Analele Universității din Oradea, Fascicula Biologie, 24(2): 66-69.	Print-ISSN: 1224-5119 CD-ISSN: 1842-6433 e-ISSN: 1844-7589	Scopus
22	2017.	Mihalescu, L., Voşgan, Z., Pop, F., Marian, M., Jelea, S., Mare Roşca, O., Dumuţa, A., Blidar, C.F., Maxim, A.,	Research on combating alternariosis (<i>Alternaria porri</i> (Ellis) Cif.) in tomatoes under the climatic conditions of Sâlsig village, Maramureş County, Romania.	Analele Universității din Oradea, Fascicula Biologie, 24(2): 70-73	Print-ISSN: 1224-5119 CD-ISSN: 1842-6433 e-ISSN: 1844-7589	Scopus
23	2017	Cicort-Lucaciu, AS; Bondar, A; Covaciuc-Marcov, SD	The alpine newt <i>Ichthyosaura alpestris</i> in Almăj Mountains, South-Western Romania – 10 km upstream the Danube.	Oltenia Studii si Comunicari Stiintele Naturii 33(1): 127-130.	1454-6914	Zoological Records
24	2017	Ferenti, S., Covaciuc-Marcov, S.-D..	New distribution records of the endemic terrestrial isopod <i>Trachelipus ater</i> in the Southern Carpathians, Romania.	South Western Journal of Horticulture, Biology and Environment 8 (1): 55-60.	P-ISSN: 2067-9874 E-ISSN: 2068-7958	Scopus
25	2017.	Covaciuc-Marcov, S.-D., Ferenti, S., Sas-Kovacs, I.. South Western	New records of <i>Percottus glenii</i> Dybowski, 1877 from south-western Romania: invasion in Timis and Aranca Rivers	South Western Journal of Horticulture, Biology and Environment 8 (2): 123-128.	P-ISSN: 2067-9874 E-ISSN: 2068-7958	Scopus

26	2017	Covaciuc-Marcov, S.-D., Sas-Kovacs, I., Cupsa, D., Ferenti, S...,	Percottus glenii Dybowski, 1877 conquers new waters. First record in a Danube tributary from Oltenia region, southern Romania. Oltenia	Oltenia, Studii și Comunicări, Științele Naturii 33(1): 123-126	1454-6914	Zoological Records
27	2017	Cicort-Lucaciu, A.-S., Bondar, A., Covaciuc-Marcov, S.-D..	The alpine newt Ichthyosaura alpestris in Almaj Mountains, south-western Romania – 10 km upstream the Danube.	Oltenia, Studii și Comunicări, Științele Naturii 33(1): 127-130.	1454-6914	Zoological Records
28	2017	Telcean I. C., Cupșa D., Togor A.	The effect of the barrage at Ginta (Gyanta) on the upper Crisul Negru River upon the distribution of potamodromous and small-sized fish species	Pisces Hungarici 11 (2017) 91–98	HU ISSN 1789-1329	Zoological Records
29	2017	Cosma, A.D., Petruș-Vancea, A.,	The effects of antibiotics and antifungals added to plant culture media of Triticosecale wittmarck,	Studia Universitatis Babeș-Bolyai Biologia, LXII, 2, pp. 53-60. doi:10.24193/subbbiol.2017.2.05	ISSN (print): 1221-8103 ISSN (online): 2065-9512 ISSN-L: 1221-8103	Zoological Records
30	2017	Bandici Gh, , Sferle A., Șipoș M.,	Allelopathic effects of allyl isothiocyanate on seeds germination ability and seedling growth of Raphanus sativus L.,	Analele Univ. Oradea, Fascicula Protectia Mediului, Vol. XXIX, pp.89-93	1224-6255	CABI
31	2017	Tomulescu, I.M., Sălaşan, L.M.,	. Comparative study of digit ratio in men of Baru, (Hunedoara County) and Oradea, (Bihor County), Romania.	Studia Universitatis “Vasile Goldiș”, Seria Științele Vieții, 27(1): 33-38 .	ISSN: 1584-2363 e-ISSN: 1842-7863 ISSN-L: 1584-2363	Scopus
32	2018	Molnar, K; Cicort-Lucaciu, AS.	New data on the distribution of large brachiopods (brachiopoda: anostraca, notostraca, spinicaudata) in bihor county, north-western romania.	Oltenia Studii și Comunicari Stiintele Naturii 34(1): 101-104.	1454-6914	Zoological Records
33	2018	Covaciuc-Marcov, SD; Cicort-Lucaciu, AS; Ferenti, S	In water with the enemy! A Lissotriton vulgaris (Amphibia: Salamandridae) paedomorph living together with the non-native fish, Percottus glenii (Pisces: Odontobutidae) in Romania.	Oltenia Studii si Comunicari Stiintele Naturii 34(1): 139-144.	1454-6914	Zoological Records
34	2018	Bondar, A; Cicort-Lucaciu, AS; Sas-Kovacs, I	New distribution records of the danube crested newt Triturus dobrogicus (Kiritzescu, 1903) in southern Romania.	Oltenia Studii si Comunicari Stiintele Naturii 34(1): 145-148.	1454-6914	Zoological Records

35	2018	Cupsa, D; Cicort-Lucaciu, AS; Telcean, IC; Kecskes, B	Modifications induced by anthropic activities upon the macrozoobenthic invertebrate communities from the Brătcuței Valley (Bihor county, Romania).	Oltenia Studii si Comunicari Stiintele Naturii 34(1): 224-230.	1454-6914	Zoological Records
36	2018	Judea PC, Tamas R, Negruțiu B, Buhas C, Pascalau A, Bodea A, Tomulescu Ioana Mihaela, Judea A, Pop O, Cseppento CN	Epidemiology of non-morbid vertebro-medullary trauma following road accidents in the forensic casuistry of Bihor county, Romania;	Forensic Res 2, Vol 9(1): 411, DOI: 10.4172/2157-7145.1000411	2157-7145	Index Copernicus
37	2018	Cărăban Alina, Țarcă Radu, Țarcă Ioan, Bota Sanda, Cozma Alina, Țarcă Dan	Studies about the alcohol dehydrogenase activity in ethanol fermentation using optical fibre	Analele Universității din Oradea, Fascicula: Protecția Mediului	1224-6255	BDI
38	2018	Bota Sanda, Cozma Alina Cărăban Alina	Optimization the method for determination of lactic acid by HPLC method	Analele Universității din Oradea, Fascicula: Protecția Mediului	1224-6255	BDI
39	2018	Ganea Mariana, Cozma Alina, Bota Sanda	Study of hydrolysis of acetylsalicylic acid	Analele Universității din Oradea, Fascicula: Protecția Mediului	1224-6255	BDI
40	2018	Ganea Mariana, Cozma Alina, Todoran Natalia, Bota Sanda	Determining the antioxidant activity of some nutritive supplements	Analele Universității din Oradea, Fascicula: Protecția Mediului	1224-6255	BDI
41	2018	Alexandra Pafca, Alexandrina Fodor, Anda Ioana Grațiela Petrehele	Cu (II), Zn (II) and Pb(II) Analysis in white wine samples using FAAS	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
42	2018	Gabriela Elena Badea, Mioara Sebesan, Alina Cozma, Laura-Ana Cociuba (Copil)	Dissolved oxygen content and chloride ion in surface water	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
43	2018	Sorin Hodisan, Mioara Sebesan, Gabriela Badea	The separation of carotenoids from parsley leaves by TLC	Analele Universității din Oradea, fascicula Chimie	1224-7626	Indexată Chemical Abstract
44	2019	Ganea Mariana, Ghitea Timea Claudia, Moisa Corina, Bota Sanda	Thin-Layer Chromatographic Method for Identifying Vitamin C in Fruits and Drugs	Annals of the University of Oradea, Fascicle of Environmental Protection	1224-6255	BDI

45	2019	Alexandrina Fodor, Anda Ioana Grațiela Petrehele, Claudia Morgovan, Teodora Soca	Iron (II) Spectrofotometric Determination in Spinach (<i>Spinacia Oleracea</i>) Fresh Leaves and Spirulina (<i>Arthrospira Platensis</i>) Powder	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI
46	2019	Covaciuc-Marcov, S.-D., Ferenti, S.	An endemic species in a protected area: <i>Euscorpius carpathicus</i> (L., 1767) in the Cozia National Park, Romania (Scorpiones, Euscorpiidae).	<i>Euscorpius</i> 279: 1-6	1536-9307	Zoological Records
47	2019	Pop, D.-R., Lucaciuc, B.I., Covaciuc-Marcov, S.D.	Notes on the presence of <i>Bombina variegata</i> (Amphibia) in southern Romanian Moldavia	Herpetology Notes	2071-5773	Scopus
48	2019	Pal, A.M., Cicort-Lucaciuc A.S., Covaciuc-Marcov, S.D., Ferenti, S.	Terrestrial isopods from Carei town (north-western Romania): Differences from the region native fauna	South-Western Journal of Horticulture, Biology and Environment	Print: 2067-9874 E: 2068-7958	Scopus
49	2019	Telcean I.C. Cupșa D.,	Captive fishes population from Vida Valley (Upper Crișul Negru / Fekete Koros) upstream the dam lake from Lunca Sprie (Bihor County, Romania)	Pisces Hungarici	1789-1329	Zoological Records
50	2019	Sas-Kovacs I., Sas-Kovacs E.H.	Occurrence of <i>Acrida ungarica</i> in the Romanian part of the lowland course of Crișul Repede River	South-Western Journal of Horticulture, Biology and Environment	Print: 2067-9874 E: 2068-7958	Scopus
51	2020	Blidar, C.F., Gligor, R.Ş., Tripon, I.M., Gilău, L., Bota, S.R., Hodisan, S., Stănașel, O.D.	The current distribution stage of <i>Nymphaea lotus</i> L. var. <i>thermalis</i> (DC) Tuzson, a plant species that is threatened with extinction in Europe	Analele Universității din Oradea, Fascicula Biologie	Print-ISSN: 1224-5119 CD-ISSN: 1842-6433	Scopus
52	2020	Maier, A.R.M., Cadar, A.M., Covaciuc-Marcov S.D.	Last meal: food composition of road-killed <i>Lacerta viridis</i> (Reptilia: Lacertidae) from Romania	Studia, Universitatis Babeș-Bolyai, Biologia	ISSN (print): 1221-8103	Scopus
53	2020	Cupsa, D., Telcean, I.C., Cicort-Lucaciuc, A.Ş., Sas-Kovacs, I., Ferentă, S., Covaciuc-Marcov, S	Newts and fish in the remnants of former wetlands from north-western Romania in front of the same enemy.	Oltenia, Studii și Comunicări, Științele Naturii	1454-6914	Zoological Records

54	2020	Telcean I.C. Cupșa D.,	The thermal brook Peța (Pece) as shelter for wintering of fish species in lower Crisul Repede (Sebes-Körös) River Basin	Pisces Hungarici	1789-1329	Zoological Records
55	2020	Cupșa D., Cirle A., Maier A. R. M., Cadar A. M., Telcean I. C.,	Macrozoobenthic invertebrate assemblages in rivers Șușița and Sohodol (Gorj County, Romania) and their indicator value for the water quality characterization	Studia Univ. Babeș-Bolyai	ISSN (print): 1221-8103 ISSN (online): 2065-9512	Scopus
56	2020	Ferenti, S., Cadar, A.M., Maier, A.R.M.	New distribution records of an endemic terrestrial isopod species (<i>Trachelipus trilobatus</i>) in the Romanian Southern Carpathians	Ecologia Balkanica	1314-0213, 1313-9940	Scopus
57	2020	Creț A., Chiș C., Șipoș M.,	The allelopathic effects of some essential oil on the biotest species <i>Sinapis alba</i> L.	Analele Univ. Oradea, Fascicula Protectia Mediului	1224-6255	CABI
58	2020	Aurelian ILIE, Lorena ILIE, Oana STĂNĂSEL, Sanda BOTA	Analysis of the therapeutic water resources from Tinca	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI
59	2020	Cristian Felix BLIDAR, Renata Ștefania GLIGOR, Ioana Maria TRIPON, Ludovic GILĂU, Sanda Rodica BOTA, Sorin HODIȘAN, Oana Delia STĂNĂSEL	The current distribution stage of <i>Nymphaea lotus</i> L. var. <i>thermalis</i> (DC) Tuzson, a plant species that is threatened with extinction in Europe	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI
60	2020	Gabriela Elena BADEA, Mioara SEBEȘAN, Sorin HODIȘAN, Gheorghe Constantin IONESCU, George Lucian IONESCU, Nicolae HODUȚ	Monitoring of nitrate concentration in drinking water- a case study	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI
61	2020	Violeta Teodora AVRAM, Alexandrina	SPECTROPHOTOMETRIC DETERMINATION OF Fe II IN	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI

		FODOR, Anda Ioana Gratiela PETREHELE, Claudia Mona MORGOVAN	AGRICULTURE SOIL FOR TOMATOES CROP			
62	2020	Claudia Mona MORGOVAN, Anda Ioana Grațiela PETREHELE, Alexandrina FODOR, Mariana CIPLEU	INFLUENCE OF MANGANESE IONS OF CHLOROPHYL CONCENTRATION FROM WHEAT GRASS	Analele Universității din Oradea-Fascicula Chimie	1224-7626	BDI
63	2020	Ghitea, T.C., Corb Aron, R.A., Lazar, L., Bungău, S.	The influence of dietary interventions on paraclinical parameters in patients with metabolic syndrome	Arch Balk Med Union	2558-815X	BDI
64	2020	Baidog, A., Bungău, S., Behl, T., Ratiu, I., Corb Aron, R.A., Ursu, F., Lazar, L., Vesa, C.M.	Interrelationships between hyperuricemia, metabolic syndrome and chronic kidney disease in patients with diabetes mellitus	Arch Balk Med Union	2558-815X	BDI

**Total punctaj număr lucrări publicate în reviste de specialitate fără cotație ISI (Punctaj = nr. lucrări x 5):
 64 x 5 = 320 puncte**

ANEXA 5.2 Lucrări științifice prezentate la conferințe internaționale cu comitet de program:

Nr. crt.	Data publicarii		Autor(i)	Titlul lucrării	Conferinta
	An	Luna			
1.	2016		Cioară F., Rus M., Lazăr L., Nistor-Csepento C., Venter A., Bungău S.	Effects of kinetic treatment applied to the patients with acute myocardial infarction in phase I,	WCO-IOF-ESCEO World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, 14–17 April 2016, Malaga, Spain http://www.springer.com/medicine/orthopedics/journal/198
2.	2016		Suciuc N. R., Cioară F., Pallag A., Bungău S., Zaha D.	The incidence of risk factors in patients with osteoporosis	WCO-IOF-ESCEO World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, 14–17 April 2016, Malaga, Spain http://www.springer.com/medicine/orthopedics/journal/198
3.	2016		Oana Stănel, Hrefna Kristmannsdottir, Ludovic Gilău	Geochemistry of low-temperature geothermal fluids and well scales	International Conference on Sciences, Oradea 13-14 mai 2016, Analele Universității din Oradea-Fascicula Chimie, Vol. XXIII, ISSN 1224-7626, pp.77-80
4.	2016		Claudia Morgovan, Anda Petrehele, Alexandrina Fodor	Studies regarding the optimal conditions for the synthesis of copper and iron ammonium phosphate	International Conference on Sciences, Oradea 13-14 mai 2016, Analele Universității din Oradea-Fascicula Chimie, Vol. XXIII, ISSN 1224-7626, pp.60-63
5.	2016		Luminița Fritea, Mihaela Tertiș, Cecilia Cristea, Serge Cosnier, Robert Săndulescu	β -cyclodextrin modified graphene/tyrosinase based biosensor for dopamine determination	International Conference on Sciences, Oradea 13-14 mai 2016, Analele Universității din Oradea-Fascicula Chimie, Vol. XXIII, ISSN 1224-7626, pp.15-22
6.	2016		Gabriela Elena Badea, Anca Cojocaru, Ioana Maior	Kinetic study on Cr (VI) electrochemical reduction in aqueous acid solution,	International Conference on Sciences, Oradea 13-14 mai 2016, Analele Universității din Oradea-Fascicula Chimie, Vol. XXIII, ISSN 1224-7626, pp.69-72
7.	2016		Luminița Fritea, Mihaela Tertiș, Cecilia Cristea, Robert Săndulescu	Studii electrochimice și spectrale ale complecșilor de inclusiune ai unor substanțe farmaceutice cu β -cyclodextrina	Toamna Medicală Oradeana, editia XXV, 6-8.10.2016, Oradea – ISSN 1844-9530
8.	2016		Luminița Fritea, Mihaela Tertiș, Cecilia	Biosenzori pe bază de grafene aplicați pentru determinarea dopaminei	Toamna Medicală Oradeana, editia XXV, 6-8.10.2016, Oradea – ISSN 1844-9530

			Cristea, Robert Săndulescu		
9.	2016		B. Allen, E. Bezak, L. Marcu, CY. Huang	Quo vadis targeted radio-immunotherapy for metastatic prostate cancer?	EPSM 2016, Sydney, Australia, 6-10 November
10.	2016		P. Reid, P. Wilson, Y. Li, A. Staudacher, L. Marcu, E. Bezak	Investigation of responses of HPV positive head and neck cancer stem cells under X-rays	The 62nd Annual Meeting of the Radiation Research Society, Waikoloa, Hawaii, 16-19 October
11.	2016		L. Marcu	Photons – radiobiological issues related to the risk of second malignancies	Workshop: Risk of secondary cancer following radiotherapy. Stockholm, 8-9 Sept
12.	2016		L. Marcu, D. Marcu	Radiobiological effects of cancer stem cell-targeting therapy in a head and neck cancer model	Ist European Congress of Medical Physics (ECMP), Athens, 1-4 Sept
13.	2016		E. Bezak, L. Marcu	Normal tissue complications in combined chemo-radiotherapy for head and neck cancer – a modelling approach	MASCC Congress, Adelaide, 23-25 June
14.	2016		A. Dinu, T. Flonta, V. Virag, L. Marcu	Comparative techniques of adaptive radiotherapy for locoregionally advanced oropharyngeal cancer	The 7 th AAMP Meeting (Alpe-Adria Medical Physics), Zagreb, 19-21 May
15.	2016		L. Marcu, D. Marcu, S. Filip	The role of in silico modelling in radiotherapy optimisation and personalisation	International Conference on Sciences, Oradea, 13-14 May
16.	2016		L. Marcu, D. Marcu	Hyper- versus hypofractionated radiotherapy in a radioresistant head and neck cancer model	ESTRO 35, Turin, Italy, 29 April – 3 May
17.	2016		L. Marcu	In silico research towards optimisation of personalised treatment in head and neck cancer	Conference of Diaspora in Scientific Research, Timisoara, Romania, 25-28 April
18.	2016		L. Marcu, D. Marcu, E. Bezak	Monte Carlo simulation of cancer stem cell-targeting agents and their effect on tumour control	The 14 th International Workshop on Radiation Damage to DNA, Melbourne, Australia, 20-24 March
19.	2016		L. Marcu, D. Marcu	Modeling the effect of symmetrical division of cancer stem cells on tumour response to radiation	ICTR-PHE Conference, Geneva, Switzerland, 15-19 February

20.	2017		A. Dinu, T. Flonta, V. Virag, L. Marcu	Breast irradiation using personalised thermoplastic mask for immobilisation: pros and cons	ECCO2017 European Cancer Congress, Amsterdam, The Netherlands 27-30 January
21.	2017		L. Marcu, D. Marcu	The interplay between all-trans-retinoic acid and radiotherapy in inducing cancer stem cell arrest	The 6 th ICHNO Conference, Barcelona, Spain 16-18 March
22.	2017		L. Marcu	In silico modelling of radiation effects towards personalised treatment in radiotherapy	TIM17 Physics Conference, Timisoara 25-27 May
23.	2017		E. Bezak, L. Marcu, W. Harriss-Phillips, M. Douglass, J. Forster, P. Reid	The role of radiobiology and radiobiological modelling in radiation therapy of head and neck cancers	EPSM 2017, Hobart, Tasmania, 29 Oct – 1 Nov
24.	2018		L. Marcu	Gender balance in medical physics – lost in transition?	World Congress on Medical Physics & Biomedical Engineering, Prague, Czech Republic, 3-8 June
25.	2018		L. Marcu	Radiobiological parameters that influence treatment outcome in radiotherapy	2nd European Congress of Medical Physics (ECMP), Copenhagen, Denmark, 23-25 Aug
26.	2018		L. Marcu	Radiobiological challenges in the management of head and neck cancer – an in-silico approach	International Satellite Meeting of Radiobiology, Magurele-Bucharest, Romania, 10 th Sept
27.	2018		B. Allen, L. Marcu, E. Bezak	Targeted alpha versus targeted beta therapy for cancer	EPSM 2018 Adelaide, Australia, 29-31 Oct
28.	2018		P. Reid, L. Marcu, I. Olver, L. Moghaddasi, A. Staudacher, E. Bezak	Cancer stem cell diversity and response to radiation: the role of the human papillomavirus in head and neck cancers	EPSM 2018 Adelaide, Australia, 29-31 Oct
29.	2018		L. Marcu	Novel cancer biomarkers	EPSM 2018 Adelaide, Australia, 29-31 Oct
30.	2018		L. Marcu	Publishing in 2018 – is it harder than 15 years ago?	EPSM 2018 Adelaide, Australia, 29-31 Oct
31.	2018		L. Marcu	Current advances in clinical radiation biology and risk of second cancers following radiation therapy	EPSM 2018 Adelaide, Australia, 29-31 Oct
32.	2018		P. Reid, L. Marcu, I. Olver, A. Staudacher,	The Role of the Human Papillomavirus in Head and Neck Cancers: Cancer Stem	Heavy Ion Accelerator Symposium, Canberra ANU, 19 – 21 Nov

		L. Moghaddasi, E. Bezak	Cell Diversity and Response to Radiation	
33.	2019	P. Reid, A.H. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, Y. Li, E. Bezak	Changes to radiosensitivity of head and neck cancers by HPV status following repeated irradiation	The 5 th International Symposium on the System of Radiological Protection ICRP, Adelaide, Australia, 17-21 Nov
34.	2019	P. Reid, A.H. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, Y. Li, E. Bezak	Differential in changes to radiosensitivity among head and neck cancer cell lines by HPV status following fractionated dose	The 65 th Annual Meeting of the Radiation Research Society, San Diego, 3-6 Nov
35.	2019	E. Bezak, P. Reid, A.H. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi	Changing radiosensitivity in head and neck cancers following fractionated dose: radiation response by HPV status	EPSM & AOCMP 19 th Asia-Oceania Congress of Medical Physics, Perth, Australia, 28-30 Oct
36.	2019	R. Tomse, D. Rahota, C. Marcut, A.M. Miere, L. Marcu	Radioactivity monitoring in foodstuff and drinking water in Bihor county	TIM19 Physics Conference, Timisoara 29-31 May
37.	2019	A. Dinu, T. Flonta, L. Marcu	The impact of breast irradiation using thermoplastic mask on quality of life	ESTRO 38, Milano, Italy, 26-30 April
38.	2019	E. Bezak, L. Marcu , C. Boyd	Feeding the data monster: data science for personalised therapy	International Conference on Biomedical & Health Informatics (ICBHI 2019), Taipei, Taiwan, 17-20 April 2019
39.	2020	P. Reid, A. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, E. Bezak	<i>Comparisons of DNA damage in HPV negative and positive head and neck cancer cell lines following fractionated irradiation</i>	20th Asia-Oceania Congress on Medical Physics (AOCMP) Thailand, Online, 3 – 5 Dec (2020)
40.	2020	P. Reid, A. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, E. Bezak	<i>Resolution of γH2AX in head and neck cancers following fractionated irradiation: comparison by HPV status</i>	Engineering and Physical Sciences in Medicine Conference, International, Online, 1 – 4 Nov (2020)
41.	2020	P. Reid, A. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, E. Bezak	<i>Accumulation of DNA damage in head and neck cancer cell lines with fractionated irradiation: comparison by HPV status</i>	Radiation Research Society (RRS) Annual Meeting, International, Online, 18 – 21 Oct (2020)

42.	2020		P. Reid, A. Staudacher, L.G. Marcu , I. Olver, L. Moghaddasi, E. Bezak	<i>DNA damage and repair in head and neck cancers in response to fractional irradiation</i>	Australian Radiation Protection Society (ARPS) Symposium, Adelaide, Australia, 1-2 Oct (2020)
43.	2020		M. Frize, E. Bezak, L. Lhotska, L. Marcu , et al	<i>Gender and work from home during COVID19: Preliminary results for STEM fields</i>	Gender Summit, Seoul, Korea, 19-20 Aug (2020)

Total punctaj număr lucrări științifice prezentate la conferințe internaționale cu comitet de program (Punctaj = nr. prezentări x 5):

$$43 \times 5 = 215 \text{ puncte}$$

ANEXA 5.3 Modele fizice, modele experimentale, modele funcționale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi sau perfecționate, realizate în cadrul programelor naționale sau comandate de beneficiar

5.3.1. Număr de modele, normative, proceduri etc.:

Nr.crt.	Data acordării	Tip	Autor	Denumire
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Capitole in monografii de cercetare:

Nr.	An	Autori	Titlul capitolului	Titlul cartii, editura
1.	2016	A1. Manuela Bianca Pașca, Simona Gabriela Bungău - coordonatori & al	Secvențe din Istoria Farmaciei	Ed.Universității din Oradea, ISBN 978-606-10-1816-1, 1285 pg.

2.	2016	Morgovan Claudia	Chimie generala. Electrochimie	Ed. Universitatii din Oradea, ISBN 978-606-10-1867-3, 107 p.
3.	2016	Andreea Cernat, Mihaela Tertiș, Luminița Fritea, Cecilia Cristea	Graphene in Sensors Design, 387-431	Advanced 2D Materials, Scrivener Publishing and co-published with John Wiley & Sons, USA, DOI: 10.1002/9781119242635.ch10.
4.	2016	B. Allen, L. Marcu, E. Bezak	Targeted alpha therapy for cancer	In: ed. D. Godfrey, J. Van Dyk, S. Das, B. Curran, A. Wolbarst, Advances in Medical Physics, vol 6, Medical Physics Publishing, Madison, Wisconsin, ISBN: 978-1-930524-90-3

Monografii de cercetare:

Nr.	An	Autori	Titlu	Editura
1.	2017	S. Filip, L. Marcu	Mecanica cu aplicatii in medicina	Editura Universitatii din Oradea, ISBN 978-606-10-1230-5
2.	2018	Marcu L, Toma-Dasu I, Dasu A, Mercke C	Radiotherapy and clinical radiobiology of head and neck cancer	CRC Press, ISBN: 978-149-877-8299

Total punctaj modele/prototipuri/proceduri = nr metod x 5 = 6 x 5 = 30

6. PRESTIGIUL PROFESIONAL

6.1. MEMBRI (INCLUZÂND STATUTUL DE RECENZOR) ÎN COLECTIVELE DE REDACȚIE ALE UNOR REVISTE (COTATE ISI SAU INCLUSE ÎN BAZE DE DATE INTERNAȚIONALE) SAU ÎN COLECTIVE EDITORIALE ALE UNOR EDITURI INTERNAȚIONALE RECUNOSCUTE (Punctaj = Număr de prezențe în perioada pentru care se face evaluarea x 20)

Punctaj: 5200 puncte

6.2. MEMBRI ÎN COLECTIVELE DE REDACȚIE ALE REVISTELOR RECUNOSCUTE NAȚIONAL (DIN CATEGORIA B ÎN CLASIFICAREA CNCSIS) (Punctaj = Număr de prezențe în perioada pentru care se face evaluarea x 10):

Punctaj: -

6.3. PREMII INTERNAȚIONALE OBȚINUTE PRINTR-UN PROCES DE SELECȚIE (Punctaj = Număr de premii x 20):

Punctaj: -

6.4. PREMII NAȚIONALE ALE ACADEMIEI ROMANE (Punctaj = Număr de premii x 20):

Punctaj: 60 puncte

6.5. CONDUCĂTORI DE DOCTORAT MEMBRII AI UNITĂȚII DE CERCETARE (Punctaj = Număr de conducători de doctorat x 10):

Punctaj: 50

6.6. NUMĂR DE DOCTORI ÎN ȘTIINȚĂ, MEMBRI AI UNITĂȚII DE CERCETARE (Punctaj = Număr de doctori în știință x 10):

Punctaj: 340 puncte

Total punctaj cap. 6 = 5650 puncte ;

5650 / 34 = 166.2 puncte /membru

ANEXA 6.1 Membri (inclusând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colective editoriale ale unor edituri internaționale recunoscute:

Nr. crt.	Nume și prenume	Calitatea	Titlul revistei/editurii	Anul	Punctaj
1.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review B	2017	20
2.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review Letters	2017	20
3.	MOCA PAȘCU CĂTĂLIN	Referent	Physica C	2017	20
4.	CHONCEL LIVIU	Referent	Physical Review B	2017	20
5.	CHONCEL LIVIU	Referent	Physical Review Letters	2017	20
6.	CHONCEL LIVIU	Referent	Journal of Magnetism and Magnetic Materials	2017	20
7.	CHONCEL LIVIU	Referent	Reviews of Modern Physics	2017	20
8.	CHONCEL LIVIU	Referent	European Physics Journal B	2017	20
9.	CHONCEL LIVIU	Referent	Recenzor European Physics Letters	2017	20
10.	MARCU LOREDANA	Referent	Physics in Medicine and Biology	2017	20
11.	MARCU LOREDANA	Membru al board-ului editorial	Austral-Asian Journal of Cancer	2017	20
12.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review B	2018	20
13.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review Letters	2018	20
14.	MOCA PAȘCU CĂTĂLIN	Referent	Physica C	2018	20
15.	MARCU LOREDANA	Referent	Physics in Medicine and Biology	2018	20
16.	MARCU LOREDANA	Membru al board-ului editorial	Austral-Asian Journal of Cancer	2018	20
17.	MARCU LOREDANA	Referent științific	Physics in Medicine and Biology	2019	20
18.	MARCU LOREDANA	Membru al board-ului editorial	Austral-Asian Journal of Cancer	2019	20
19.	MARCU LOREDANA	Referent științific	Medical Hypotheses	2019	20
20.	MARCU LOREDANA	Referent științific	Australasian Physical & Engineering Science in Medicine	2019	20
21.	MARCU LOREDANA	Referent științific	Journal of Theoretical Biology	2019	20
22.	MARCU LOREDANA	Referent științific	Physics in Medicine and Biology	2019	20
23.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review B	2019	20
24.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review Letters	2019	20

25.	MOCA PAȘCU CĂTĂLIN	Referent	Physica C	2019	20
26.	MARCU LOREDANA	Referent stiintific	Physics in Medicine and Biology	2016	20
27.	MARCU LOREDANA	Membru al board-ului editorial	Austral-Asian Journal of Cancer	2016	20
28.	MARCU LOREDANA	Referent stiintific	Medical Hypotheses	2016	20
29.	MARCU LOREDANA	Referent stiintific	Australasian Physical & Engineering Science in Medicine	2016	20
30.	MARCU LOREDANA	Referent stiintific	Journal of Cell Science	2016	20
31.	MARCU LOREDANA	Referent stiintific	Medical Physics	2016	
32.	MARCU LOREDANA	Referent stiintific	Computational and Mathematical Methods in Medicine	2016	20
33.	MARCU LOREDANA	Referent stiintific	Journal of Theoretical Biology	2016	20
34.	MARCU LOREDANA	Referent stiintific	Physica Medica	2016	20
35.	MARCU LOREDANA	Referent stiintific	International Journal of Biology, Oncology, Physics	2016	20
36.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review B	2016	20
37.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review Letters	2016	20
38.	MOCA PAȘCU CĂTĂLIN	Referent	Physica C	2016	20
39.	CAVALU SIMONA	Referent	Ceramic International	2017	20
40.	CAVALU SIMONA	Referent	Acta Biomaterialia	2017	20
41.	CAVALU SIMONA	Referent	Modern Physics Letters B	2017	20
42.	FODOR ALEXANDRINA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2017	20
43.	STĂNĂȘEL OANA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2017	20
44.	CĂRĂBAN ALINA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2017	20
45.	GAVRIŞ GEORGETA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2017	20
46.	FODOR ALEXANDRINA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20

47.	STĂNĂŞEL OANA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
48.	CĂRĂBAN ALINA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
49.	SEBEŞAN MIOARA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
50.	MORGOVAN CLAUDIA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
51.	HODIŞAN SORIN	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
52.	PETREHELE ANDA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
53.	BOTA SANDA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS D ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2018	20
54.	CARABAN ALINA MARIA	Referent stiintific	Scientific Journal International, ISSN1556-6757-Chemistry, Biochemistry, Molecular Biology, Polymer Science	2018	20
55.	FODOR ALEXANDRINA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS C ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2019	20
56.	MORGOVAN CLAUDIA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS C ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2019	20
57.	CARABAN ALINA MARIA	Referent stiintific	Scientific Journal International, ISSN1556-6757-Chemistry, Biochemistry, Molecular Biology, Polymer Science	2019	20
58.	CARABAN ALINA MARIA	Referent stiintific	Analele Universității din Oradea, Fascicula Chimie, CNCSIS C ISBN 1242-7626, acceptată BDI/ Chemical Abstracts, www.cas.org	2019	20

59.	STĂNĂŞEL OANA	Referent stiintific	Environmental Earth Sciences, ISSN 1866-6280, Springer Ed., ISI	2016	20
60.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2017	20
61.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2017	20
62.	CUPSA DIANA	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2107	20
63.	SAS ISTVAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2017	20
64.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
65.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2017	20
66.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
67.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2017	20
68.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AACL Bioflux	2017	20
69.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AES Bioflux	2017	20
70.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2017	20
71.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
72.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
73.	BLIDAR CRISTIAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
74.	CUPSA DIANA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
75.	CUPSA DIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
76.	PETRUS ADRIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
77.	PETRUS ADRIANA	Referent stiintific	Journal of Pharmacy and Bioallied Sciences/ Published by Medknow	2017	20

78.	PETRUS ADRIANA	Referent stiintific	Answers Research Journal	2017	20
79.	PETRUS ADRIANA	Referent stiintific	International Research Journal of Agricultural Science	2017	20
80.	PETRUS ADRIANA	Referent stiintific	JOURNAL OF ECOLOGY AND THE NATURAL ENVIRONMENT	2017	20
81.	PETRUS ADRIANA	Referent stiintific	Journal of Medicinal Plants Research	2017	20
82.	PETRUS ADRIANA	Referent stiintific	African Journal of Agricultural Research	2017	20
83.	RADOVICIU EDITH MIHAELA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
84.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
85.	SAS ISTVAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
86.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2017	20
87.	SAS ISTVAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
88.	SAS ISTVAN	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2017	20
89.	SAS ISTVAN	Referent stiintific	AACL Bioflux	2017	20
90.	SAS ISTVAN	Referent stiintific	AES Bioflux	2017	20
91.	SIPOS MONICA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
92.	SIPOS MONICA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
93.	TELCEAN ILIE	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2017	20
94.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
95.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2017	20
96.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2018	20
97.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2018	20
98.	CUPSA DIANA	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2018	20
99.	CUPSA DIANA	Referent stiintific	International Journal of Environmental Research and Public Health/published by MDPI	2018	20

100.	SAS ISTVAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2018	20
101.	SAS ISTVAN	Referent stiintific	Acta Herpetologica / Firenze University	2018	20
102.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
103.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2018	20
104.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
105.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2018	20
106.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AACL Bioflux	2018	20
107.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AES Bioflux	2018	20
108.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2018	20
109.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
110.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
111.	BLIDAR CRISTIAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
112.	CUPSA DIANA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
113.	CUPSA DIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
114.	PETRUS ADRIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
115.	PETRUS ADRIANA	Referent stiintific	Journal of Pharmacy and Bioallied Sciences/ Published by Medknow	2018	20
116.	PETRUS ADRIANA	Referent stiintific	Answers Research Journal	2018	20
117.	PETRUS ADRIANA	Referent stiintific	International Research Journal of Agricultural Science	2018	20
118.	PETRUS ADRIANA	Referent stiintific	JOURNAL OF ECOLOGY AND THE NATURAL ENVIRONMENT	2018	20
119.	PETRUS ADRIANA	Referent stiintific	Journal of Medicinal Plants Research	2018	20
120.	PETRUS ADRIANA	Referent stiintific	African Journal of Agricultural Research	2018	20

121.	RADOVICIU EDITH MIHAELA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
122.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
123.	SAS ISTVAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
124.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2018	20
125.	SAS ISTVAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
126.	SAS ISTVAN	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2018	20
127.	SAS ISTVAN	Referent stiintific	AACL Bioflux	2018	20
128.	SAS ISTVAN	Referent stiintific	AES Bioflux	2018	20
129.	SIPOS MONICA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
130.	SIPOS MONICA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
131.	TELCEAN ILIE	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2018	20
132.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
133.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2018	20
134.	TOMULESCU IOANA	Referent stiintific	International Journal of Pharma and Biosciences	2018	20
135.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2019	20
136.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2019	20
137.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Belgian Journal of Zoology/ Published by The Royal Society of Zoology	2019	20
138.	CUPSA DIANA	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2019	20
139.	SAS ISTVAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2019	20
140.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
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142.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
143.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2019	20
144.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AACL Bioflux	2019	20
145.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AES Bioflux	2019	20
146.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2019	20
147.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
148.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
149.	BLIDAR CRISTIAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
150.	BLIDAR CRISTIAN	Referent stiintific	Journal of Pharmacy and Bioallied Sciences/ Published by Medknow	2019	20
151.	CUPSA DIANA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
152.	CUPSA DIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
153.	PETRUS ADRIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
154.	RADOVICIU EDITH MIHAELA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
155.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
156.	SAS ISTVAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
157.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2019	20
158.	SAS ISTVAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
159.	SAS ISTVAN	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2019	20
160.	SAS ISTVAN	Referent stiintific	AACL Bioflux	2019	20
161.	SAS ISTVAN	Referent stiintific	AES Bioflux	2019	20
162.	SIPOS MONICA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20

163.	SIPOS MONICA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
164.	TELCEAN ILIE	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2019	20
165.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
166.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2019	20
167.	TOMULESCU IOANA	Referent stiintific	International Journal of Pharma and Biosciences	2019	20
168.	SAS ISTVAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2016	20
169.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2016	20
170.	CUPSA DIANA	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2016	20
171.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
172.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2016	20
173.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
174.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2016	20
175.	CICORT-LUCACIU	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
176.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
177.	BLIDAR CRISTIAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
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181.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
182.	SAS ISTVAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
183.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2016	20

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187.	SIPOS MONICA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
188.	TELCEAN ILIE	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
189.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
190.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
191.	CUPSA DIANA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
192.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
193.	SAS ISTVAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
194.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
195.	TELCEAN ILIE	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2016	20
196.	CUPSA DIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
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198.	SAS ISTVAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
199.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
200.	PETRUS ADRIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
201.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
202.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
203.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2016	20
204.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica / Ed.Univ.Oradea, Romania	2016	20

205.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Herpetologica Romanica / Ed.Univ.Oradea, Romania	2016	20
206.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2020	20
207.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2020	20
208.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Belgian Journal of Zoology/ Published by The Royal Society of Zoology	2020	20
209.	CUPSA DIANA	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2020	20
210.	SAS ISTVAN	Referent stiintific	North-Western Journal of Zoology / Ed.Univ.Oradea, Romania	2020	20
211.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2020	20
212.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2020	20
213.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
214.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2020	20
215.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AACL Bioflux	2020	20
216.	COVACIU-MARCOV SEVERUS-DANIEL	Referent stiintific	AES Bioflux	2020	20
217.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2020	20
218.	CICORT-LUCACIU ALFRED STEFAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2020	20
219.	BLIDAR CRISTIAN	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2020	20
220.	BLIDAR CRISTIAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
221.	BLIDAR CRISTIAN	Referent stiintific	Journal of Pharmacy and Bioallied Sciences/ Published by Medknow	2020	20
222.	CUPSA DIANA	Referent stiintific	Biharean Biologist / Ed.Univ.Oradea, Romania	2020	20
223.	CUPSA DIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20

224.	PETRUS ADRIANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
225.	RADOVICIU EDITH MIHAELA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
226.	SAMUEL ALINA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
227.	SAS ISTVAN	Referent stiintific	Bihorean Biologist / Ed.Univ.Oradea, Romania	2020	20
228.	SAS ISTVAN	Referent stiintific	Herpetologica Romanica/ Ed.Univ.Oradea, Romania	2020	20
229.	SAS ISTVAN	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
230.	SAS ISTVAN	Referent stiintific	Oltenia Studii si Comunicari Stiintele Naturii / Muz. Olteniei, Craiova, Romania	2020	20
231.	SAS ISTVAN	Referent stiintific	AACL Bioflux	2020	20
232.	SAS ISTVAN	Referent stiintific	AES Bioflux	2020	20
233.	SIPOS MONICA	Referent stiintific	Bihorean Biologist / Ed.Univ.Oradea, Romania	2020	20
234.	SIPOS MONICA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
235.	TELCEAN ILIE	Referent stiintific	Bihorean Biologist / Ed.Univ.Oradea, Romania	2020	20
236.	TELCEAN ILIE	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
237.	TOMULESCU IOANA	Referent stiintific	Analele Universitatii din Oradea, F. Biologie / Ed.Univ.Oradea, Romania	2020	20
238.	TOMULESCU IOANA	Referent stiintific	International Journal of Pharma and Biosciences	2020	20
239.	MARCU LOREDANA	Referent stiintific	Physics in Medicine and Biology	2020	20
240.	MARCU LOREDANA	Editor asociat	Physica Medica	2020	20
241.	MARCU LOREDANA	Membru al borad-ului editorial	Journal of Medical Physics		
242.	MARCU LOREDANA	Referent stiintific	Diagnostics	2020	20
243.	MARCU LOREDANA	Referent stiintific	Australasian Physical & Engineering Science in Medicine	2020	20
244.	MARCU LOREDANA	Referent stiintific	Journal of Theoretical Biology	2020	20
245.	MARCU LOREDANA	Referent stiintific	Medical Physics	2020	20
246.	MARCU LOREDANA	Referent stiintific	Frontiers in Physics	2020	20
247.	MARCU LOREDANA	Referent stiintific	Journal of medicinal chemistry	2020	20
248.	MARCU LOREDANA	Referent stiintific	Theranostics	2020	20
249.	MARCU LOREDANA	Referent stiintific	ACS Nano	2020	20

250.	MARCU LOREDANA	Referent științific	Radiation Research	2020	20
251.	MARCU LOREDANA	Referent științific	Cancer Letters	2020	20
252.	MARCU LOREDANA	Referent științific	Future Oncology	2020	20
253.	MARCU LOREDANA	Referent științific	Cancers	2020	20
254.	MARCU LOREDANA	Referent științific	Current Medical imaging	2020	20
255.	MARCU LOREDANA	Referent științific	International Journal of Molecular Sciences	2020	20
256.	MARCU LOREDANA	Referent științific	Internat Journal of Radiation Oncol, Biol & Physics	2020	20
257.	MARCU LOREDANA	Referent științific	European Journal of Pharmacology	2020	20
258.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review B	2020	20
259.	MOCA PAȘCU CĂTĂLIN	Referent	Physical Review Letters	2020	20
260.	MOCA PAȘCU CĂTĂLIN	Referent	Physica C	2020	20

Total puncte membri/ recenzori reviste ISI sau BDI: 260 x 20 = 5200

ANEXA 6.4 Premii naționale ale Academiei Române:

Nr. crt.	Nume și prenume	Premiu național	An	Punctaj
1.	Stănescu Oana Delia	Diplomă de Onoare pentru contribuții deosebite în promovarea chimiei, Societatea de Chimie din România	2019	20
2.	Fodor Alexandrina	Diplomă de Onoare pentru contribuții deosebite în promovarea chimiei, Societatea de Chimie din România	2019	20
3.	Petrehele Anda Ioana Grațiela	Diplomă de Onoare pentru contribuții deosebite în promovarea chimiei, Societatea de Chimie din România	2019	20

Total: 60 puncte

ANEXA 6.5. Conducători de doctorat membrii ai unității de cercetare

Nr. crt.	Nume și prenume	Punctaj
1.	BUNGAU SIMONA	10
2.	CAVALU SIMONA	10
3.	CUPSA DIANA	10
4.	MARCU LOREDANA	10
5.	MOCA PASCU CATALIN	10

Total: 50 puncte

ANEXA 6.6 Număr de doctori în știință, membri ai unității de cercetare:

Nr. crt.	Nume și prenume	Titlul tezei susținute	Punctaj
1.	FILIP SANDA MONICA	Studiul prin rezonanță paramagnetică electronică și susceptibilitate magnetică al ionilor de crom, mangan, fier și cupru în matricei oxidice pe bază de Bi ₂ O ₃ și TeO ₂	10
2.	MACOCIAN EUGEN - VICTOR	Studiul proprietăților de transport ale compușilor La _{2-x} Ba _x Cu _{1-y} Zn _y O ₄ și YBa ₂ (Cu _{1-x} Zn _x) ₃ O _{7-δ} sub formă policristalină și de filme subțiri	10
3.	MOCA CĂTĂLIN PAȘCU	Non-Fermi behavior of strongly correlated electron systems	10
4.	FLORA MONICA	Studiul unor proprietăți structurale și fizice ale sticlelor din sistemul xMnO·(100-x)[2B ₂ O ₃ ·MO], unde MO este CdO, SrO, PbO sau As ₂ O ₃	10
5.	SIMUȚ CECILIA	Studii structurale prin metode fizice asupra unor molecule cu implicații biologice	10
6.	CHIONCEL LIVIU	Fluxuații de spin în compusii intermetalici pe baza de pamanturi rare și metale de tranziție	10
7.	MARCU LOREDANA	Deterministic modelling of kinetics and radiobiology of radiation-cisplatin interaction in the treatment of head and neck cancers	10
8.	CĂPITANU CARMEN	Studiul unor proprietăți structurale, electrice și magnetice ale unor supraconductorii de temperatură critică ridicată de tipul (1:2:3)	10
9.	BEIȘEANU FLORIAN	Studiul fenomenelor de transport și ale proprietăților magnetice în supraconductorii de tipul Ru-12n2 (n=1,2)	10
10.	HOREA CRISTIAN	Studiul proprietăților structurale și magnetice ale unor sticle oxidice cu ioni ai elementelor de tranziție	10
11.	TODERAŞ MONICA	Studii structurale și magnetice ale sticlelor pe bază de B ₂ O ₃ conținând ioni de fier și mangan	10
12.	CAVALU SIMONA	Studii de spectroscopie RES și Raman ale unor proteine hemice și nehemice	10
13.	FODOR ALEXANDRINA	Utilizarea heteropoliacizilor micști în chimia analitică	10
14.	CĂRĂBAN ALINA MARIA	Cercetari privind hidroliza amidonului cu amilaze exogene și endogene, utilizând metode colorimetrice și tehnici de interferometrie laser	10
15.	STĂNĂȘEL OANA DELIA	Studii asupra compoziției chimice a apelor geotermale și monitorizarea depunerilor ce pot apărea în cazul utilizării lor	10
16.	GAVRIŞ GEORGETA	Contribuții la studiul proceselor de valorificare a ionilor metalici din soluții reziduale și deșeuri solide	10

17.	SEBEŞAN MIOARA	Caracterizarea apelor geotermale indigene și monitorizarea depunerilor ce pot apărea în cazul folosirii lor	10
18.	PETREHELE ANDA	Noi polioxometalați de tip keggin cu atomi adenzi micști	10
19.	HODIŞAN SORIN	Utilizarea unor metode cromatografice la separarea si determinarea anumitor compusi farmaceutic activi	10
20.	MORGOVAN CLAUDIA	Contributii la studiul proceselor de valorificare a ionilor metalici proveniti din deseuri ale industriei galvanice sub forma de ingrasaminte cu microelemente	10
21.	BUNGĂU SIMONA	Cineticii de tip Landolt în chimia analitică	10
22.	COZMA ALINA	Studiul lipofilicității unor noi derivați de tiazol și selenazol cu potențial biologic prin cromatografie de lichide cu fază inversă	10
23.	BOTA SANDA	Contribuții la chimia alcaloizilor cinchona	10
24.	CUPSA DIANA	Studiul morfologic, anatomic, faunistic, biologic al Oligochetelor (fam. Naididae și Tubificidae) din bazinul Crișurilor	10
25.	TOMULESCU IOANA	Incidența bolilor genetice într-o populație umană din județul Bihor	10
26.	TELCEAN ILIE	Contribuții la studiul sistemului senzitiv latero-cefalic la unii taxoni de pești teleosteeni și implicațiile sale filogenetice	10
27.	SAMUEL ALINA	Evaluarea microbiologică și enzimologică a efectelor tehnologiilor agricole asupra biologiei solului	10
28.	COVACIU-MARCOV SEVERUS DANIEL	Contribuții la studiul herpetofaunei din Câmpia de Vest și de pe versantul vestic al Munților Apuseni	10
29.	BLIDAR CRISTIAN	Cercetări privind reactivitatea protocormilor de <i>Cymbidium hybridum</i> în vitroculturi bistratificate	10
30.	ŞIPOŞ MONICA	Efectul submersării în azot lichid (-196°C) asupra embrionilor cariopselor de grâu, triticale și de orz	10
31.	SAS ISTVAN	Studii faunistice, fiziologice și ecologice asupra complexului Rana esculenta din Nord-Vestul României	10
32.	CICORT-LUCACIU ALFRED STEFAN	Studii zoogeografice, biologic si, ecologice la specii din Familia Salamandridae din Romania	10
33.	PETRUŞ ADRIANA	Cercetări privind procesele morfofiziologice și biochimice care au loc în decursul aclimatizării plantulelor generate <i>in vitro</i> , la viață în mediul septic	10
34.	FERENȚI SARA	Izopode terestre (Crustacea, Isopoda) din nord-vestul României: cercetări faunistice si ecologice	10

Total: 340 puncte

7. VENITURI REALIZATE PRIN CONTRACTE DE CERCETARE ÎN DOMENIUL PENTRU CARE SE FACE EVALUAREA (în perioada pentru care se face evaluarea)

7.1. NUMĂRUL ȘI VALOAREA CONTRACTELOR DE CERCETARE INTERNATIONALE FINANȚATE DIN FONDURI PUBLICE:

Total: 8 contracte, în valoare de 458.850,55 Euro și 5000 USD

7.2. NUMĂRUL ȘI VALOAREA CONTRACTELOR DE CERCETARE INTERNATIONALE FINANȚATE DIN FONDURI PRIVATE:

Total: -

7.3. NUMĂRUL ȘI VALOAREA CONTRACTELOR DE CERCETARE NAȚIONALE FINANȚATE DIN FONDURI PUBLICE:

Total: 4 contracte, în valoare de 1.916.500 RON

7.4. NUMĂRUL ȘI VALOAREA CONTRACTELOR DE CERCETARE NAȚIONALE FINANȚATE DIN FONDURI PRIVATE:

Total: -

7.5. ALTE SURSE:

Total: -

7.6. VENITURI REALIZATE DIN ACTIVITĂȚI ECONOMICE (SERVICII, MICROPRODUCȚIE):

Total: 1 contract în valoare de 1500 USD

Total cap.7: 13 contracte în valoare de 458.850,55 EUR, 6500 USD, 1.927.500 RON.

ANEXA 7.1. Numărul și valoarea contractelor de cercetare internaționale finanțate din fonduri publice:

Nr. crt.	Programul / Proiectul		Director contract	Perioada	Valoarea
	Denumirea	Cod contract			
1.	AQUARES - Conservation and protection of ecosystems endangered by lack of thermal and freshwater in crossborder area – ROHU-29	33131/11.05.2018	Director subcontract (pentru partenerul <i>Universitatea din Oradea</i>) Blidar Cristian Membri: Stănașel Oana Delia, Bota Sanda Rodica, Hodisan Sorin, Petrehele Anda Ioana Grațiela	2018-2020	<u>Suma alocată pentru UO:</u> 458.850,55 EUR
2.	EDXRF and multivariate statistical characterization of agricultural land in the Baita-Bihor metalo-genetic district, coordinated by the laboratory FLNP Dubna, coordinator Cristiana Oprea	nr. tema 03-4-1128-2017/2019	responsabil UO Diana Cupșa	2018.	2000 USD
3.	ANTREPRENOR PENTRU VIITOR 2019 – 2021, Acronym „AntreV”, Project POCU, <i>Proiect cofinanțat din Fondul Social European prin Programul Operațional Capital Uman 2014-2020</i> , Beneficiary: Universitatea din Oradea , Partner: Corporactive Consulting SRL – membru în echipa de proiect.	Cod proiect MySMIS 124167	Director: Căuș Aurel Membru: Cărăban Alina Maria	2019-2021	
4.	Neutrons Spectra by Charge Particles Processes and Analytical Investigations	03-4-1128-2017/2022	Sas-Kovacs Istvan	2020	3.000 USD
5.	Project ROSE/-AG204/SGU/NCII/Program de consiliere și tutoriat al studentilor de la Facultatea de Protectia mediului a Universitatii din Oradea (PROTECTSTUDUO)	TPMC 3941/	Simona Bungău - membru în echipa de proiect	2020-2022	

6.	Proiect POCU 122348, <i>Formarea profesională prin activități practice cu scopul creșterii inserției pe piața muncii în domeniul medical – PRACTINDERMED</i>	POCU-122348	Simona Bungău - membru în echipa de proiect	2020	
7.	Proiect ROSE/372/Integrarea cunoștințelor teoretice și practice pentru dobândirea competențelor profesionale în domeniul sănătate.	ROSE/372	Simona Bungău - membru în echipa de proiect	2020	
8.	Proiectul ROSE- <i>Laboratorul de educație și formare antreprenorială;</i> Acord de grant nr. 72/SGU/NC/I; Cadru didactic pentru intervenții remediale in cadrul proiectului ROSE	72/SGU/NC/I	Liliana Doina Măgdoiu- director contract Claudia Morgovan - membru în echipa de proiect	2017 - 2020	

ANEXA 7.3. Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri publice:

Nr. crt.	Programul / Proiectul		Director contract	Perioada	Valoarea [RON]
	Denumirea	Cod contract			
1.	PN II – Idei „Modelarea in silico a proceselor biologice din tumorile hipoxice în vederea individualizării protocolului de tratament”	PN-II-ID-PCE-2012-4-0067 CONTRACT 69/02.09.2013	Marcu Loredana	2013-2016	1.066.500
2.	Dinamica de neechilibru a sistemelor puternic corelate	PN-III-P4-ID-PCE-2016-0032	Moca Pascu Catalin	2017-2019	850.000
3.	<i>Titlul proiectului: Sprijin pentru studenți în tranziția de la liceu la învățământul terțiar și prevenirea abandonului școlar la Facultatea de Informatică și Științe,</i> PROIECT PRIVIND ÎNVĂȚĂMÂNTUL SECUNDAR (ROSE), SCHEMA DE GRANTURI PENTRU UNIVERSITĂȚI, Beneficiar: Universitatea din Oradea, Facultatea de Informatică și Științe	Acord de grant 203/SGU/NC/II	Director: Macocian Eugen Victor Membri: Fodor Alexandrina, Sebeșan Mioara	2020-2021	

4.	<i>Titlul proiectului: Laboratorul de educație și formare antreprenorială</i> PROIECT PRIVIND ÎNVĂȚĂMÂNTUL SECUNDAR (ROSE), SCHEMA DE GRANTURI PENTRU UNIVERSITĂȚI, Beneficiar: Universitatea din Oradea	Acord de grant 72/SGU/NC/I	Director: Măgdoiu Liliana Doina Membru: Morgovan Claudia Mona	2017-2020	
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ANEXA 7.4. Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri private

Nr. crt.	Programul / Proiectul		Director contract	Perioada	Valoarea [RON]
	Denumirea	Cod contract			
1.					

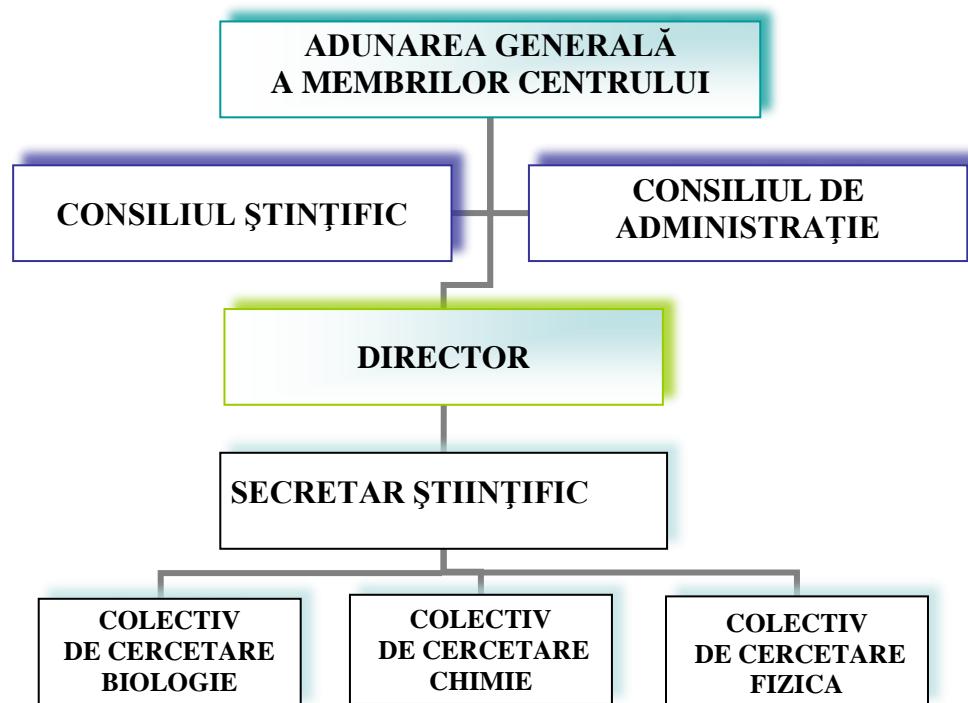
7.6. VENITURI REALIZATE DIN ACTIVITĂȚI ECONOMICE (SERVICII, MICROPRODUCȚIE):

Contracte de cercetare internaționale finanțate din fonduri publice	Numărul	Valoarea [EUR/RON]
Proiect nr. 03-4-1104-2011/2016 Investigation in the Field of Nuclear Physics with Neutrons – tema - XRF studies of adequate assessment of biogeochemical cycles of heavy metals on protected natural areas of community interest in Bihor County	1	1500 USD

8. RESURSA UMANĂ DE CERCETARE

8.1 ORGANIGRAMA DE FUNCȚIONARE A CENTRULUI

Organograma CCFM descrie organizarea centrului de cercetare în acord cu statutul acestuia:



8.2. STRUCTURA DE PERSONAL

Echipa centrului este formată din biologi, chimisti și fizicieni, cadre didactice membri ai Departamentelor de Biologie, Chimie și Fizică, sau ai altor structuri din cadrul Universității. Situația pe grade didactice / de cercetare a membrilor centrului este indicată în tabelele următoare:

Echipa de Biologie

Nr. crt.	Nume și prenume	Gradul didactic / de cercetare
1	CUPSA DIANA	Prof. univ. dr. / CS I
2	TOMULESCU IOANA	Conf. univ. dr. / CS II
3	TELCEAN ILIE	Conf. univ. dr. / CS II
4	COVACIU-MARCOV SEVERUS-DANIEL	Conf. univ. dr. / CS II
5	SAMUEL ALINA	Şef lucr. dr. / CS III
6	BLIDAR CRISTIAN	Şef lucr. dr. / CS III
7	ŞIPOŞ MONICA	Şef lucr. dr. / CS III
8	PETRUŞ ADRIANA	Şef lucr. dr. / CS III
9	SAS-KOVACS ISTVAN	Şef lucr. dr. / CS III
10	CICORT-LUCACIU ALFRED-STEFAN	Şef lucr. dr. / CS III
11	FERENTI SARA	Asist dr. / CS III
12	POP DANIEL RĂZVAN	Asist asociat drd. / CS III
13	DUMBRAVĂ AMALIA RALUCA	Doctorand/CS III

Echipa de Chimie

Nr.crt.	Nume și prenume	Gradul didactic / de cercetare
1.	BUNGĂU SIMONA	Profesor univ. dr. habil/ CS I
2.	STĂNĂSEL OANA	Conf. univ. dr. ing. / CS II
3.	FODOR ALEXANDRINA	Conf. univ. dr. / CS II
4.	CĂRĂBAN ALINA	Conf. univ. dr. ing. ec./ CS II (asociat)
5.	GAVRIŞ GEORGETA	Conf. univ. dr. ing./ CS II
6.	MORGovan CLAUDIA	Şef lucr. dr. ing/ CS III
7.	HODIŞAN SORIN	Şef lucr. dr. ing/ CS III
8.	SEBEŞAN MIOARA	Şef lucr. dr. ing/ CS III
9.	COZMA ALINA	Şef lucr. dr. / CS III
10.	BOTA SANDA	Şef lucr. dr. ing / CS III
11.	PETREHELE ANDA	Şef lucr. dr. / CS III

Echipa de Fizică

Nr. crt.	Nume și prenume	Gradul didactic / de cercetare
1.	FILIP SANDA MONICA	Prof. univ. dr. / CS I
2.	MACOCIAN EUGEN-VICTOR	Prof. univ. dr. / CS I
3.	MOCA PAȘCU CĂTĂLIN	Prof. univ. dr. / CS I
4.	CAVALU SIMONA	Prof. univ. dr. / CS I
5.	MARCU LOREDANA	Prof. univ. dr. / CS I
6.	CHIONCEL LIVIU	Conf. univ. dr. / CS II (pana in 2016)
7.	FLORA MONICA	Şef lucr. dr. / CS III
8.	SIMUȚ CECILIA	Şef lucr. dr. / CS III
9.	CĂPITANU CARMEN	Şef lucr. dr. / CS III
10.	BEIUSEANU FLORIAN	Şef lucr. dr. / CS III
11.	TODERAŞ MONICA	Şef lucr. dr. / CS III

12.	HOREA CRISTIAN	Şef lucr. dr. / CS III
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Studenti și personal auxiliar

Nr. crt.	Nume si prenume	Gradul didactic / de cercetare
1.	FODOR STEFAN	Student Master
2.	TODORAN NATALIA	Student Master
3.	COSTIN IOANA	Student Master
4.	SAS-KOVACS EVA-HAJNALKA	Student doctorand

În conformitate cu datele prezentate în tabel, rezultă următoarea situație:

TOTAL PERSONAL DE CERCETARE CARE REALIZEAZĂ VENITURI DIN ACTIVITATEA DE CERCETARE-DEZVOLTARE/DIN CARE DOCTORI ÎN ȘTIINȚĂ: 34 / 34

- 8.2.1. Cercetători științifici gradul 1 (profesori)/din care doctori în știință: 7 / 7
- 8.2.2. Cercetători științifici gradul 2 (conferențiari)/din care doctori în știință: 8 / 8
- 8.2.3. Cercetători științifici gradul 3 (șefi lucrări)/din care doctori în știință: 18 / 18
- 8.2.4. Cercetători științifici/din care doctori în știință: 1 / 1
- 8.2.5. Asistenți de cercetare: 4 / -
- 8.2.6. Total personal auxiliar de cercetare angajat: - / -

8.3. DATE PRIVIND PERFECTIONAREA RESURSEI UMANE

8.3.1 Număr de doctoranzi și masteranzi care lucrează în unitatea de cercetare-dezvoltare la data completării formularului: 4

8.3.2 Număr de teze de doctorat realizate în unitatea de cercetare-dezvoltare în perioada pentru care se face evaluarea (în conformitate cu datele din Anexa 6.6): 2.

Ocuparea cu personal a posturilor din organigramă este descrisă în anexa 8.

Anexa 8 Ocuparea cu personal a posturilor din organograma centrului de cercetare

Poziția în organigramă	Nume și prenume
DIRECTOR	Prof. univ. dr. MARCU LOREDANA
SECRETAR ȘTIINȚIFIC	Sef lucr. dr. SAS ISTVAN
CONSILIUL ȘTIINȚIFIC	Conf. univ. dr. TELCEAN ILIE Şef lucr. dr. PETRUŞ ADRIANA Conf. univ. dr. CĂRĂBAN ALINA Prof. univ. dr. BUNGĂU SIMONA Prof. univ. dr. MACOCIAN EUGEN-VICTOR Prof. univ. dr. MOCA PASCU
CONSILIUL DE ADMINISTRAȚIE	Sef lucr. dr. CICORT-LUCACIU ALFRED Sef lucr. dr. ing. SEBEŞAN MIOARA Sef lucr. dr. BEIUSEANU FLORIAN
DIRECTOR COLECTIV DE CERCETARE <i>BIOLOGIE</i>	Prof. univ. dr. CUPŞA DIANA
DIRECTOR COLECTIV DE CERCETARE <i>CHIMIE</i>	Conf. univ. dr. STĂNĂŞEL OANA
DIRECTOR COLECTIV DE CERCETARE <i>FIZICA</i>	Prof. univ. dr. FILIP SANDA MONICA

9. INFRASTRUCTURA DE CERCETARE – DEZVOLTARE

9.1 LABORATOARE DE CERCETARE – DEZVOLTARE

Biologie

Nr. crt.	Denumirea laboratorului	Suprafață (m ²)	Grad de ocupare pentru cercetare (%)
1	Laborator de Zoologia vertebratelor, Ecologie, Hidrobiologie	38 m ²	10
2	Laborator de Zoologia nevertebratelor, Entomologie	28 m ²	60
3	Laborator de Fiziologia Plantelor	34,3 m ²	25
4	Laborator de Microscopie	25 m ²	40
5	Laborator de Anatomie și fiziologie animală și umană	31 m ²	10

Chimie

Nr.crt.	Denumirea laboratorului (sala)	Cod sală
1	Laborator Chimie analitică calitativă și cantitativă, Separatologie analitică	B009
2	Laborator Chimie generală, Electrochimie	B010
3	Laborator Chimie anorganică, Bioanorganică, Chimia combinațiilor complexe	B011
4	Laborator Tehnologie chimică, Chimia mediului	B012
5	Laborator Chimie organică, Biochimie	B115
6	Laborator Chimie analitică instrumentală, Chimie fizică	B116
7	Sala de balanțe	B117
8	Sala de dezagregări	B119
9	Laborator Spectroscopie, Cromatografie de înaltă performanță	B122
10	Laborator Chimie computațională	B123

Fizica

Nr. crt.	Denumirea laboratorului	Cod sală	Suprafață (m ²)
1.	Laborator de cercetare pentru simulări numerice în Fizica solidului și Fizica medicală	C 203 bis	14.07
2.	Laborator de cercetare în Fizica materialelor, Fizica moleculei și Fizică medicală	C 207	16.97
3.	Laborator de cercetare a proprietăților filmelor subțiri	B209	14.05
4.	Laborator de cercetare în tehnologie didactică și e-learning	B 209 bis	10.00

9.2. LISTA ECHIPAMENTELOR PERFORMANTE ACHIZIȚIONATE ÎN ULTIMII 10 ANI

Laborator de Microscopie

Nr. crt.	Echipamentul	Anul achiziției	Nr. buc.	Sursa de finanțare a investiției
1	Microscop	2008	10	Bugetul de stat
2	Stereomicroscop	2008	10	Bugetul de stat
3	Microscop cercetare	2014	1	Proiect Hu-Ro
4	Stereomicroscop	2014	1	Proiect Hu-Ro
5	Microscop inversat	2014	1	Proiect Hu-Ro
6	Sistem de micromanipulare pentru microscop	2014	1	Proiect Hu-Ro

Laborator de Anatomie și fiziologie animală și umană

Nr. crt.	Echipamentul	Anul achiziției	Nr. buc.	Sursa de finanțare a investiției
1	Electromiograf	2008	1	Bugetul de stat
2	Electrocardiograf	2008	1	Bugetul de stat
3	Aparat de măsurare a ratei umane respiratorii	2008	1	Bugetul de stat
4	Aparat electric electronarcoza	2014	1	Proiect Hu-Ro

Laborator de Fiziologia Plantelor

Nr. crt.	Echipamentul	Anul achiziției	Nr. buc.	Sursa de finanțare a investiției
1	Balanta tehnica	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
2	Cronometru analog de masa	2011	2	POSDRU/CPP 107/DMI 1.5/S/77082/2010
3	Lampă bactericida 30 W, pe suport mobil	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
4	hota cu flux laminar	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
5	Pompa de vid	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
6	Baie de ultrasunete	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
7	Adaptor camera foto	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
8	Cuva electroforeza	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010

9	Aparat climatizare	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
10	IMPRIMANTA Multifunctional HP Officejet 6500A Plus All-in-One	2011	2	POSDRU/CPP 107/DMI 1.5/S/77082/2010
11	IMPRIMANTA HP OFFICEJET H470	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
12	Notebook Lenovo thinkpad Edge 13	2011	6	POSDRU/CPP 107/DMI 1.5/S/77082/2010
13	Videoproiector BenQ MS 510	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
14	SISTEM DESKTOP	2011	2	POSDRU/CPP 107/DMI 1.5/S/77082/2010
15	<i>MONITOR LCD-TFT 19 INCH</i>	2011	2	POSDRU/CPP 107/DMI 1.5/S/77082/2010
16	Mini scanner portabil A4 Easypix	2011	1	POSDRU/CPP 107/DMI 1.5/S/77082/2010
17	Sistem de determinare BOD	2014	1	Proiect Hu-Ro
18	Sistem multiparametru HI9829	2014	1	Proiect Hu-Ro
19	Algae Torch; BBE	2014	1	Proiect Hu-Ro
20	Benthic Torch BBE	2014	1	Proiect Hu-Ro
21	Distilator / bidistilator	2018	1	Interreg V-A Romania-Hungary
22	Balanta analitica	2018	1	Interreg V-A Romania-Hungary
23	Multiparametru portabil	2018	1	Interreg V-A Romania-Hungary
24	Spectrofotometru UV-VIS	2018	1	Interreg V-A Romania-Hungary
25	Traductor de intensitate luminoasa	2018	1	Interreg V-A Romania-Hungary
26	Agitator magnetic cu incalzire	2018	1	Interreg V-A Romania-Hungary
27	Baie ultrasonică	2018	1	Interreg V-A Romania-Hungary

Laboratoare chimie

Nr.crt.	Echipamentul	Anul achiziției	Valoarea	Sursa de finanțare a investiției
1.	Imprimanta laser jet HP Color – 2 buc.	2008	3600	Programul pt. dotarea laboratoarelor pt.studiile de licență
2.	HPLC – cromatograph – 1 buc.	2008	37.272	Programul pt. dotarea laboratoarelor pt.studiile de licență
3.	Multimetru de laborator	2008	60000	Contract de cercetare nr.74/9.06.2008
4.	Agitator magnetic	2008		

5.	Balanță precizie	2011		Proiect HURO 0901/086
6.	Baie de apă	2011		
7.	Spectrofotometru UV-VIS cu accesoriu	2011		
8.	Multifunctionala	2011	1799	HURO 0901/086.2.2.2
9.	Linie ELIZA (spectrofotometru UVVIS, cititor ELIZA, incubator cu agitare in plan)	2011	45000	HURO 0901/086.2.2.2
10.	Laptop DELL	2012	3500	HURO 0901/086.2.2.2
11.	Rotavapor (Omogenizator)	2012	2500	HURO 0901/086.2.2.2
12.	Micropipeta 100-1000 µl	2012	700	HURO 0901/086.2.2.2
13.	Micropipeta 10-100 µl	2012	700	HURO 0901/086.2.2.2
14.	Interferometru UV-VIS-NIR	2012	11705 euro	Proiect Huro 1001/121/2.2.2 BIOETHANOL
15.	Fibra optica	2012	1950 euro	Proiect Huro 1001/121/2.2.2 BIOETHANOL
16.	Spectrofotometru cu absorbție atomică cu flacără și cupor de grafit	2018	467,551.00	Proiect Ro-Hu
17.	Sistem cromatograf de schimb ionic	2018	243,656.07	Proiect Ro-Hu
18.	Nișă chimică cu exhaustare și sistem de stocare substanțe agresive	2018	101,376.10	Proiect Ro-Hu
19.	Baie termostatață RAYPA	2018	4768.33	Proiect Ro-Hu
20.	Balanță analitică cu dublă precizie	2018	21,748.44	Proiect Ro-Hu
21.	Agitator magnetic cu încălzire IKA	2018	8,337.73	Proiect Ro-Hu
22.	Titrator potențiometric / titrator det. umiditate metoda Karl Fischer	2018	62,286.98	Proiect Ro-Hu
23.	Sistem de obținere a apei distilate si bidistilate	2018	35,163.19	Proiect Ro-Hu
24.	Sistem filtrare vid	2018	9,569.62	Proiect Ro-Hu

Laboratorul de cercetare pentru simulări numerice în Fizica solidului și Fizică medicală (C 203 bis) conține o rețea cu 36 posturi în care se efectuează cercetări teoretice în domeniul semiconductorilor cu proprietăți magnetice, transport în sisteme cu dimensionalitate redusă, spintronică, supraconductibilitate de temperaturi înalte, precum și calcule ab-initio. De asemenea, laboratorul permite simularea Monte-Carlo a comportamentului tumoral ca răspuns la diferite regimuri de tratament. Dotarea laboratorului este indicată în tabelul următor:

Nr. crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1.	Server, tip tip Pentium IV Intel 3000+, HDD 2TB , 2GB RAM.	1	Da, din proiecte CNCSIS
2.	Rețea calculatorare tip Pentium IV Intel , 3000+, 512 MB RAM	19	Da, din proiecte CNCSIS
3.	Rețea calculatoare tip Pentium IV Intel 3000+, 512 MB RAM	16	Da, din proiecte CNCSIS
4.	Imprimanta HP LaserJet 2015	1	Da, din proiecte CNCSIS
5.	Monitor LCD 19"	2	Da, din proiecte CNCSIS

Rețeaua este configurată sub LINUX și permite rularea programelor atât serial cât și paralel. Software instalat: librării LAPACK, SCALAPACK (folosite pentru diagonalizări), LMTO, SIESTA (folosite pentru calcule de structuri de benzi), NRG (calculul conductivităților pentru nanostructuri-quantum-dot-uri), MPI (librărie pentru calcul paralel), GRID-ENGINE (software pentru distribuirea în rețea a rulării programelor), OCTAVE (analiza de date similar MATLAB, dar cu licență GNU)

Laboratorul de cercetare în Fizica moleculei și Fizică medicală (C 207) conține o rețea cu 11 posturi în care se efectuează cercetări teoretice în domeniul fizicii materialelor, a fizicii moleculei și biomaterialelor. Aparatura de laborator cuprinde: presă hidraulică și cuptor de calcinare pentru obținerea probelor solide, precum și spectrofotometre în vizibil, infraroșu și ultraviolet. Acestea permit efectuarea de cercetări în domeniul fizicii moleculei (structură și dinamică moleculară, benzi de energie) și în domeniul fizicii biomedicale și a biomaterialelor (puritatea materialelor biologice și farmaceutice, studii de structură și puritate ADN, proteine, etc). Dotarea cuprinde:

a) Tehnica de calcul

Nr. crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1	Rețea PC Pentium IV, HDD 80 GB, 512 MB RAM, Monitor Philips CRT 17"	11	Da, din proiect PHARE
2	Imprimantă Minolta Page Pro 6	1	-
3	Scanner Benq	1	-

b) Aparatură de laborator

Nr. crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1	Spectrofotometru în infraroșu cu transformata Fourier (FTIR) SHIMADZU IR PRESTIGE 21	1	Da, din proiecte de dotare ale MEC
2	Spectrofotometru în vizibil și ultraviolet (UV-VIS) SHIMADZU UV-2450	1	Da, din proiecte de dotare ale MEC
3	Software specializat pentru analize complexe ale spectrelor și datelor	1	Da, din proiecte de dotare ale MEC
4	Cuptor de calcinare cu control programat al regimului termic în domeniul 30-3000°C și sistem de alimentare cu gaz NABERTHERM LHT 02/16-C42	1	Da, din proiecte de dotare ale MEC
5	Presă hidraulică pentru pastilare probe solide BERNARDO WK-10	1	Da, din proiecte de dotare ale MEC

Laboratorul de cercetare a proprietăților filmelor subțiri (B209) permite obținerea unor filme din diferiți compuși prin depunere în vid sau atmosferă controlată și măsurarea unor proprietăți electrice, magnetice și de transport ale acestora.

Nr. crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1	Instalație depunere	1	Da, din proiecte de dotare ale MEC
2	Pompă de vid	1	Da, din proiecte de dotare ale MEC
3	Electromagnet (10 A, 5T)	1	Da, din proiecte de dotare ale MEC
4	Aparate de măsură	4	Da, din proiecte de dotare ale MEC
5	stație Pentium2, 450MHz, 64MB RAM	1	Da, din proiecte de dotare ale MEC
6	Imprimantă HP4P	1	

Laborator de cercetare didactică și e-learning este dedicat aplicării tehnologiilor didactice moderne, având dotarea:

Nr. Crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1	Sistem Athlon 64 3500+MHz, 512 MB RAM, 80 GB HDD, Monitor 17'' LCD	2	Da, din proiecte de dotare ale MEC
2	Sistem PI, 133 MHz, 4 GB HDD, Monitor 15'' CRT	8	Da, din proiecte de dotare ale MEC
3.	Videoproiector Panasonic	1	Da, din proiecte de dotare ale MEC

Pe lângă dotarea din laboratoarele propriu-zise de cercetare, laboratoarele didactice ale Departamentului de Fizică au fost utilate cu aparatură nouă prin programele de dotare ale MEC, această aparatură putând completa dotările laboratoarelor de cercetare. La nivelul departamentului se mai află și următoarele dotări auxiliare:

Nr. Crt.	Denumire dotare	Nr. buc.	Achiziționate în ultimii 10 ani
1.	Laptop Fujitsu-Siemens	3	Da, din proiect PHARE
2.	Laptop Toshiba Satelitte	2	Da, din proiecte de dotare ale MEC
3.	Laptop Toshiba	1	Da, din proiect CNCSIS
4.	Imprimantă laser B/W Canon Bizhub 210	1	Da, din proiecte de dotare ale MEC
5.	Imprimantă laser color Hewlett-Packard	1	Da, din proiecte de dotare ale MEC
6.	Videoproiector Panasonic	1	Da, din proiecte de dotare ale MEC
7.	Ecran proiecție	3	Da, din proiecte de dotare ale MEC

10. CENTRALIZATOR PUNCTAJ CENTRU DE CERCETARE

Capitol	Paragraf	Subparagraf	Punctaj	Punctaj / membru
4				
	4.1			
		4.1.1	6690	
		4.1.2	3404	
		4.1.3	33690	
	Total punctaj 4.1.		43784	
	4.2			
		4.2.1	90	
		4.2.2	-	
	Total punctaj 4.2.		90	
	4.3			
		4.3.1	60	
	Total punctaj 4.3		60	
	Total punctaj cap. 4		43934	1292.2
5				
	5.1		320	
	5.2		215	
	5.3		30	
	Total punctaj cap. 5		565	16.6
6				
	6.1		5200	
	6.2		-	
	6.3		-	
	6.4		60	
	6.5		50	
	6.6		340	
	Total punctaj cap. 6		5650	166.2
	Punctaj general centru		50149	1475

Director centru de cercetare :

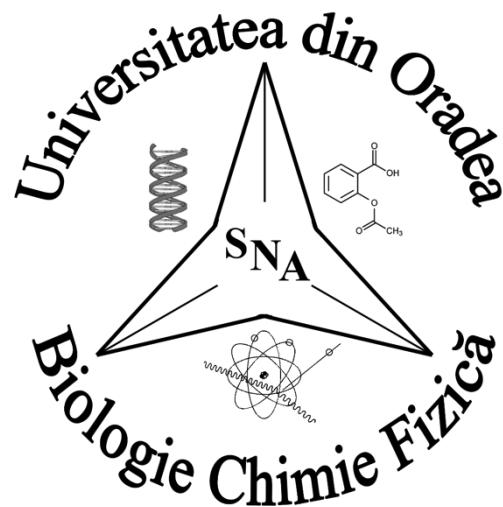
Prof. univ. dr. Loredana Marcu

ANEXA II

MODUL DE ORGANIZARE ȘI STATUTUL DE FUNCȚIONARE AL CENTRULUI DE CERCETARE „ȘTIINȚE NATURALE APLICATE”

1. DENUMIREA, PARTICIPANȚI, STRUCTURA, FORMA JURIDICĂ, SEDIUL, DURATA DE ACTIVITATE

1.1 Centrul de Cercetare este denumit: „**Centrul de Cercetare în Științe Naturale Aplicate**” având acronimul **SNA** și sigla:



1.2 În cadrul centrului activează cadre didactice, cercetători și studenți cu preocupări de cercetare în domeniile Biologiei, Chimiei și Fizicii.

1.3 Centrul de cercetare „Ştiințe Naturale Aplicate” se constituie ca unitate academică de cercetare, fără personalitate juridică, în cadrul Facultății de Științe, Universitatea din Oradea, în baza Hotărârii Senatului Universității, fiind reprezentat în plan juridic prin intermediul universității. El reprezintă o organizație profesională neguvernamentală, cu caracter educațional și științific.

1.4 Sediul centrului este în cadrul Universității din Oradea, Str. Universității Nr. 1, 410087 Oradea, Jud. Bihor, România.

1.5 Centrul se constituie pe o perioada nedeterminată.

2. NECESITATEA CONSTITUIRII, SCOPUL ȘI OBIECTIVELE CENTRULUI DE CERCETARE

2.1 Necesitatea organizării centrului ca structură distinctă rezidă din nevoie de a se asigura o mai bună organizare a activității de cercetare, precum și a activităților conexe: colaborarea cu alte centre din țară și străinătate, atragerea de fonduri pentru finanțarea cercetării și implicarea studenților în activitatea de cercetare.

2.2 Scopul centrului de cercetare constă în promovarea cercetării fundamentale și aplicative performante, în domeniile biologiei, chimiei și fizicii precum și în stimularea cercetării studențești. Pentru îndeplinirea acestuia, centrul își propune următoarele obiective:

- asigurarea unui mediu propice pentru desfășurarea unei activități de cercetare științifică performantă;
- dezvoltarea infrastructurii, a bazei materiale pentru cercetare, precum și diversificarea mijloacelor de informare;
- oferirea cadrului pentru schimbul de idei și rezultate între membrii centrului, prin organizarea de colocvii și seminarii;
- organizarea de manifestări științifice precum și încurajarea membrilor de a participa la astfel de manifestări organizate de alte instituții;
- identificarea surselor de finanțare pentru proiecte de cercetare precum și susținerea propunerilor de proiecte și granturi la nivel național și internațional;
- stimularea colaborării și a schimbului de idei între specialiștii în domeniu din cadrul centrului, și atragerea lor în formarea unor echipe în cadrul unor proiecte comune de cercetare;
- colaborarea științifică cu alte centre din țară și străinătate pe baza unor acorduri bilaterale sau în cadrul unor programe naționale sau internaționale;
- stimularea cercetării studențești și sprijinirea instituțională a formării cadrelor de cercetare din rândul tinerei generații;

2.3 Cercetarea în cadrul centrului este axată în principal pe următoarele teme:

Biologie:

- inițierea de culturi de celule vegetale și subcultivarea lor pe medii variate
- înlăturarea hiperhidriei din vitrocultură
- analizarea reactivității plantelor în vitrocultură, în condiții variante de mediu
- identificarea substraturilor optime de aclimatizare pentru plante
- stabilirea condițiilor optime pentru multiplicarea rapidă „in vitro” a speciilor de salcie și plop, cu scopul aclimatizării și obținerii de biomasă vegetală, ca sursă de energie
- micropropagarea, conservarea „in vitro” și aclimatizarea unor specii vegetale pe cale de dispariție,
- studiul organismelor acvatice (bentos, ihtiofaună) și a factorilor de mediu care-i influențează
- studii de enzimologie a solului
- studiul influenței apelor termale asupra biologiei și ecologiei amfibienilor
- cartarea faunei de amfibieni și reptile din țară
- cercetarea spectrului trofic al unor amfibieni, a hibridismului și fiziologiei acestora.

Chimie:

- sinteza unor compuși anorganici cu structură complexă;
- sinteza și identificarea unor compuși organici și urmărirea mecanismelor de reacție;
- identificarea și dozarea unor compuși chimici organici și anorganici cu impact asupra mediului și organismelor vii, precum și dezvoltarea unor metode de recuperare și îndepărțare a lor,
- coroziunea și protecția anticorozivă, comportarea la coroziune și pasivare a unor sisteme metal/mediu, protecția anticorozivă cu ajutorul inhibitorilor și a stratelor de conversie;
- monitorizarea compoziției chimice a apelor geotermale și a apelor uzate rezultate din diverse procese tehnologice;
- identificarea și separarea unor compuși biologic activi prin metode chromatografice de înaltă performanță;

- aplicarea unor tehnici moderne de interferometrie cu laser în domeniul chimiei alimentare.

Fizică:

- studii teoretice în radioterapie oncologică prin simularea Monte Carlo a creșterii tumorilor, modelarea tratamentelor radioterapeutice și studiul efectelor tratamentelor asupra comportamentului tumoral,
- studiul aspectelor dozimetrice în brahiterapia cancerelor de prostată,
- studii de biofizică moleculară și medicală: abordarea aspectelor de principiu în tehnici de voltage și patch - clamp, măsurarea curenților electrici printr-un singur canal ionic, imagerie confocală, cuplaj excitație-contracție în mușchiul striat,
- investigații spectroscopice ale unor complecși de interes biologic, prin metode spectroscopice: UV-VIS, FTIR, RAMAN, RES,
- imagistică medicală: PET/CT, IRM
- studiul proprietăților materialelor supraconductoare cu temperatură critică de tranziție ridicată (HTS), sub formă policristalină sau de filme subțiri,
- studiul proprietăților materialelor oxidice vitroase,
- studiul teoretic al proprietăților magnetice, optice și de transport în semiconductori, și semiconductori magnetici diluați.
- fenomene de transport de sarcină și de spin, spintronica și fenomene asociate.
- fenomene de transport în quantum-dot-uri, quantum-wire și nanotuburi de carbon, modelate folosind metode numerice, în particular metoda grupului de renormare numerică,
- modelarea teoretică și numerică a proprietăților sistemelor supraconductoare cu temperatură critică de tranziție ridicată,
- modelarea teoretică și numerică a structurii electronice a sistemelor puternic corelate,
- studiul structurii electronice a heterostructurilor semiconductoare și half-metalice
- studii dozimetrice asupra radonului,

- studierea in - situ a procesului de oxidare a aliajelor metalice in diferite condiții de temperatură și presiune,
- studii de metodică și didactică în predarea și învățarea fizicii, fizica și tehnologiile educaționale moderne.

3. OBIECTUL DE ACTIVITATE

Cercetarea științifică interdisciplinară în domeniile Biologiei, Chimiei și Fizicii.

4. MEMBRII CENTRULUI. PRINCIPIII DE ORGANIZARE ȘI FUNCȚIONARE.

4.1 Membrii fondatori ai Centrului de Cercetare sunt cadre didactice titulare ale Facultății de Științe din cadrul Universității din Oradea semnatare ale actului de constituire a centrului.

4.2 Membru al Centrului de Cercetare poate deveni orice persoană fizică cu competențe profesionale și aptitudini de cercetare în domeniile biologiei, chimiei și/sau fizicii, care fiind de acord cu prevederile statutului își exprimă intenția de aderare sub formă de cerere scrisă. Cererea de primire ca membru al Centrului este aprobată prin vot secret de Adunarea Generală a membrilor centrului, cu majoritate simplă de voturi.

4.3 Centrul poate desemna membri de onoare, persoane fizice din țară și străinătate, care prin activitatea lor contribuie la dezvoltarea centrului și creșterea prestigiului său.

4.4 Toți membrii centrului au drepturi egale în ceea ce privește accesul la infrastructura centrului și tuturor le revine în egală măsură îndatorirea de a asigura în bune condiții funcționarea sa.

4.5 Orice membru al Centrului poate renunța la calitatea sa de membru în urma unei cereri scrise.

4.6 Calitatea de membru poate fi retrasă numai în cazuri deosebite, prin decizia Adunării Generale, luată prin vot secret cu un număr de voturi egal cu 2/3 din numărul membrilor Centrului.

4.7 Centrul are următoarele organisme de conducere, coordonare și administrare:

- Adunarea Generală ca for suprem de conducere
- Consiliul Științific și Consiliul de Administrație ca foruri de coordonare și administrare

- Directorul Centrului și Secretarul științific ca funcții de execuție

4.8. Adunarea generală cuprinde toți membrii Centrului de Cercetare și are următoarele competențe:

- modificarea Statutul Centrului
- primirea de noi membri
- desemnarea membrilor de onoare
- excluderea membrilor din Centru
- numirea și revocarea tuturor celorlalte persoane și organisme de conducere și administrare
- validarea sau invalidarea deciziilor Consiliului de Administrație
- aprobarea Planului anual de administrare a fondurilor Centrului

Adunarea generală se convoacă ședință ordinară odată pe semestru, sau în ședință extraordinară la propunerea a cel puțin 1/3 dintre membrii Centrului.

Şedința Adunării Generale este prezidată de către Directorul Centrului. Ea este considerată legal constituită dacă sunt prezenți 2/3 din totalul membrilor Centrului. Deciziile sunt luate cu majoritate simplă de voturi, în afara cazurilor expres menționate în prezentul statut.

4.9. Consiliul Științific este format din 3-5 membri și este ales pentru un mandat de 4 ani de Adunarea Generală. Directorul Centrului și Secretarul științific sunt membri de drept ai Consiliului Științific. Atribuțiile Consiliului Științific sunt următoarele:

- stabilirea politicilor și obiectivelor științifice ale Centrului
- avizarea internă, pe faze, a contractelor de cercetare și a documentației oficiale cu caracter științific schimbate cu exteriorul
- avizarea cererilor de primire de noi membri
- recomandarea desemnării membrilor de onoare

Consiliul Științific este prezidat de Decanul de vîrstă al Consiliului. Ședința consiliului este considerată legal constituită dacă sunt prezenți 2/3 din totalul membrilor. Deciziile sunt luate cu majoritate simplă de voturi.

4.10. Consiliul de Administrație este format din Directorul Centrului, Secretarul științific, și directorii sau responsabilii de contracte / granturi. El are următoarele atribuții:

- întocmirea Planului anual de administrare a fondurilor Centrului de Cercetare și urmărirea ducerii lui la îndeplinire
 - identificarea surselor de finanțare a activităților de cercetare ale Centrului
 - luarea măsurilor necesare pentru buna desfășurare a activității Centrului
 - coordonarea manifestărilor organizate de Centru
 - gestionarea aspectelor legate de colaborările cu alte entități externe și promovarea imaginii centrului

Şedința Consiliului de Administrație este legal constituită dacă sunt prezente 2/3 din persoanele care fac parte din Consiliul. Deciziile Consiliului de Administrație sunt luate cu majoritatea simplă de voturi a membrilor Consiliului.

4.11. Directorul Centrului este ales pentru un mandat de 4 ani de către Adunarea Generală a membrilor Centrului. Directorul Centrului trebuie să aibă gradul didactic de profesor sau conferențiar universitar. Atribuțiile Directorului Centrului de Cercetare sunt:

- gestionarea problemelor curente
- reprezentarea Centrului în relația cu Universitatea
- reprezentarea Centrului în relațiile cu alte entități de cercetare, de învățământ și din țară și străinătate.

4.12. Secretarul științific al Centrului este ales pentru un mandat de 4 ani de către Adunarea Generală a membrilor Centrului. Secretarul științific trebuie să aibă titlul de doctor în științe. Atribuțiile Secretarului științific al Centrului sunt următoarele:

- întreținerea bazei de date și a documentației cu privire la activitatea științifică și economico-administrativă a centrului: situația economico-financiară, rapoarte de activitate, publicații
- preluarea prin delegare a atribuțiilor Directorului Centrului în absența acestuia

5. PATRIMONIUL CENTRULUI DE CERCETARE

Patrimoniul Centrului de Cercetare este constituit din baza materială a Universității din Oradea ca persoană juridică, constând din:

- laboratoarele de cercetare și sălile arondate Departamentelor de Biologie, Chimie și Fizică;
- infrastructura, aparatura și echipamentele aferente acestora;

- accesul la utilitățile aferente: electricitate, apă curentă;
- accesul la facilități de comunicații (telefonie, internet) și informare (biblioteca Universității și cea a Departamentelor);
- aparatura și echipamentele obținute ca urmare a finanțării unor proiecte de cercetare ale membrilor Centrului;
- aparatura și echipamentele obținute de către membrii centrului în urma unor donații;

6. REGLEMENTĂRI FINANCIARE

6.1. Finanțarea activităților Centrului se realizează din următoarele surse:

- finanțări obținute de la Ministerul Educației și Cercetării sau din partea unor organisme de finanțare specifice: CNCSIS, CEEX, UEFISCDI, etc.;
- sume obținute de membrii Centrului ca și directori de proiecte sau membri, în calitate de participanți la contracte și grant - uri de cercetare atât la nivel național cât și internațional;
- alocații bugetare de la nivelul universității;
- donații;

6.2. Cheltuielile se efectuează în acord cu Planului anual de administrare a fondurilor Centrului de Cercetare sub supravegherea Consiliului de Administrație.

7. DISPOZIȚII FINALE

7.1 Activitatea Centrului de Cercetare se desfășoară cu respectarea prezentului statut și a dispozițiilor legale în vigoare.

7.2 Amendamentele la prezentul Statut pot fi propuse de Consiliul Științific, de Consiliul de Administrație sau prin inițiativa membrilor Centrului manifestată sub formă petiție semnată de cel puțin 10% din membrii Centrului. Ele pot fi adoptate prin votul favorabil a cel puțin 2/3 din numărul membrilor Centrului.

7.3 Centrul de cercetare își poate înceta activitatea în cazul neîndeplinirii misiunii, scopului și obiectivelor, din diverse cauze de natură internă sau externă, sau atunci când o parte însemnată a membrilor iau decizia să se retragă. Suspendarea activității Centrului sau

încetarea ei definitivă poate fi decisă doar de Adunarea generală a membrilor, prin votul a cel puțin 2/3 din numărul total de membri ai Centrului.

Prezentul Statut a fost adoptat în ședința Adunării Generale a membrilor în data de 16.04.2013.

Director centru de cercetare

Prof. univ. dr. LOREDANA MARCU

ANEXA 8.1

Dotarea aferenta laboratoarelor de cercetare-dezvoltare

A. Echipamente	
<p>A1. Denumire: sistem de determinare BOD A2. Caracteristici, performante: Sistem de masurare prevazut cu agitare ce permite analiza simultana BOD pentru 12x510 ml A3. Aplicatii ce pot fi efectuate: măsurare consum biochimic de oxigen A4. Sursa de finantare: HURO A5. Valoare estimata: 4.795,08 ero A6. Anul achizitiei:2014</p>	 A photograph of a blue rectangular BOD incubator. It has a clear front panel through which several small bottles containing liquid are visible. The brand name "Oxitop Box" is printed on the front panel.
<p>A1. Denumire: multiparametru HI9829 A2. Caracteristici, performante: Sistemul sa permita masuratori de pH si potential de oxido-reducere, conductivitate si salinitate, concentratie de oxigen dizolvat, temperatura, calibrare si masurare conform GLP A3. Aplicatii ce pot fi efectuate: măsurare pH, conductivitate, temperatură, oxigen dizolvat din ape A4. Sursa de finantare: HURO A5. Valoare estimata:3.644,36 euro A6. Anul achizitiei: 2014</p>	 A photograph of a handheld multiparameter device. It has a digital display showing various measurement values and a keypad with buttons for navigating menus. A probe is connected to the side of the unit, which is used for immersing it into liquids to take readings.
<p>A1. Denumire:Algae Torch; BBE A2. Caracteristici, performante: determinare in timp real continutul de clorofila a cyanobacteriilor si clorofila totala din microalge in rauri si lacuri A3. Aplicatii ce pot fi efectuate: determinarea clorofilei acvatice A4. Sursa de finantare: HuRo A5. Valoare estimata: 12.577,32 euro A6. Anul achizitiei: 2014</p>	 A photograph of a long, thin handheld device called an Algae Torch. It has a black and silver body with a probe at the end. The brand name "AlgaeTorch" is printed on the side of the handle.

<p>A1. Denumire: Benthos Torch BBE A2. Caracteristici, performante: determină simultan, în timp real, continutul de cianobacterii, alge verzi și diatomee A3. Aplicații ce pot fi efectuate: pt. determinarea algelor fitobentonice; A4. Sursa de finanțare: HuRo A5. Valoare estimată: 15.790,16 euro A6. Anul achiziției: 2014</p>	
<p>A1. Denumire: Microscop de cercetare A2. Caracteristici, performante: Microscop upright cu funcționare în lumina transmisă prin metoda "camp luminos" A3. Aplicații ce pot fi efectuate: investigare preparate fixe în camp luminos A4. Sursa de finanțare: HuRo A5. Valoare estimată: 39.331,56 euro A6. Anul achiziției: 2014</p>	
<p>A1. Denumire: Stereomicroscop A2. Caracteristici, performante: domeniul de marire aproximativ 7x – 110x A3. Aplicații ce pot fi efectuate: investigare preparate opace A4. Sursa de finanțare: HuRo A5. Valoare estimată: 12.938,16 euro A6. Anul achiziției: 2014</p>	
<p>A1. Denumire: microscop inversat A2. Caracteristici, performante: Microscop inversat pentru investigații în lumina transmisă prin camp luminos și contrast de fază, cu direcțarea informației luminoase către portul lateral / ocular după cum urmează - 0:100%, port lateral:ocular% și 100:0%. A3. Aplicații ce pot fi efectuate: investigații în camp luminos, camp întunecat, UV A4. Sursa de finanțare: HuRo A5. Valoare estimată: 30.459,36 euro A6. Anul achiziției: 2014</p>	

A1. Denumire: Aparat electric electronarcoza - 250W, 300-600V, 15-25 A + agregat electronic electronarcoza (cu acumulatori)
 A2. Caracteristici, performante: Tensiuni la iesire: reglabil in domeniile 150-300V si 300-600V DC
 A3. Aplicatii ce pot fi efectuate: pescuit stiintific
 A4. Sursa de finantare: HuRo
 A5. Valoare estimata: 8.742,00 euro
 A6. Anul achizitie: 2014



A1. Denumire: sistem de micromanipulare pentru microscop
 A2. Caracteristici, performante: Injector pneumatic cu seringa de capacitate minim 4 ml, volum injectat minim 450 ml/rotatie. Micromanipulator hidraulic cu joystick (pozitionare inversa, tip "drop handle"), pentru comanda deplasarii pe trei directii, reglabil, cu gradatii, design simetric pentru amplasare pe ambele laterale ale microscopului. Cursa maxima pe fiecare directie pentru deplasarea fina minim 10 mm, rezolutie mai buna sau egala cu 2.5 $\mu\text{m}/\text{gradat}$.
 A3. Aplicatii ce pot fi efectuate: intervenții la nivel celular, introducere de lichide, particule solide, medicamente, etc.
 A4. Sursa de finantare: HuRo
 A5. Valoare estimata: 33.435,36 Euro
 A6. Anul achizitie: 2014

[Vezi foto microscop inversat](#)

A1. Denumire: Distilator / bidistilator (pt. apa)
 A2. Caracteristici, performante: Debit distilat 4 l/h – bi – distilata pH 5,6 - 6,0
 Pirogenitati Fara Conductivitate < 1 $\mu\text{S}/\text{cm}$
 Putere de incalzire 6kW
 Presiunea la alimentare (min-max) 70 – 560 kPa
 Debit minim al apei brute 2 l/min
 Dimensiuni (mm) 750 x 490 x 380
 Greutate, kg 29
 A3. Aplicatii ce pot fi efectuate: orice are nevoie de apa distilata / bidistilata (NU ultrapura!)
 A4. Sursa de finantare: Interreg V-A Romania-Hungary
 A5. Valoare estimata: 6435 euro fara TVA



<p>A6. Anul achizitiei:2018</p> <p>A1. Denumire: Balanta analitica</p> <p>A2. Caracteristici, performante: Capacitate cantarire maxima: 320 g Citire: 0,1 mg</p> <p>A3. Aplicatii ce pot fi efectuate: orice are nevoie de cântărire de precizie</p> <p>A4. Sursa de finantare: Interreg V-A Romania-Hungary</p> <p>A5. Valoare estimata: 1800 euro fara TVA</p> <p>A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Multiparametru portabil</p> <p>A2. Caracteristici, performante: pH, conductivitate, oxigenometru Capacitate memorie: 500 inregistrari Citire: cu senzori separate pentru fiecare parametru</p> <p>A3. Aplicatii ce pot fi efectuate: determinare cu precizie a pH, conductivitatii si oxigenului din medii apoase</p> <p>A4. Sursa de finantare: Interreg V-A Romania-Hungary</p> <p>A5. Valoare estimata: 3715 euro fara TVA</p> <p>A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Spectrofotometru UV-VIS</p> <p>A2. Caracteristici, performante: Domeniul spectral: 190 – 1100 nm Viteza de scanare: selectabila Moduri de măsurare – absorbanță si transmitanță, analiză cantitativă (concentratie),</p> <p>A3. Aplicatii ce pot fi efectuate: determinare cu precizie absorbantei, extinctiei, concentratiei mediilor lichide apoase</p> <p>A4. Sursa de finantare: Interreg V-A Romania-Hungary</p> <p>A5. Valoare estimata: 6736 euro fara TVA</p> <p>A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Traductor de intensitate luminoasa</p> <p>A2. Caracteristici, performante: Tipul de radiatie luminoasa masurata: Radiatia activa fotosintetic (la lungimi de unda cuprinse intre 400 si 700 nm) exprimata in Hmol · m-2· s-1. Sensibilitatea semnalului: Intre 5HA si 10 HA per Hmol · m-2 · s-1 Linearitatea semnalului: Deviatie de maxim 1% pana la 10000 Hmol · m-2 · s-1</p>	

<p>A3. Aplicatii ce pot fi efectuate: determinare intensitatii luminii fotosintetic active (PAR) A4. Sursa de finantare: Interreg V-A Romania-Hungary A5. Valoare estimata: 2775 euro fara TVA A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Agitator magnetic cu incalzire A2. Caracteristici, performante: Numar pozitii de agitare: 1 Capacitate mx. de agitare (H2O) [l]: 20 Iesire motor [W]: 9 Directia de agitare: Dreapta A3. Aplicatii ce pot fi efectuate: omogenizarea / obtinerea solutiilor A4. Sursa de finantare: Interreg V-A Romania-Hungary A5. Valoare estimata: 1450 euro fara TVA A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Baie ultrasonica A2. Caracteristici, performante: Voltaj / Frecventa: 100-120/220-240V / 50/60 Hz Frecventa ultrasonore: 37 kHz Consum S300: 300 W Consum S300H: 1500 W Putere incalzire (pentru unitatile cu incalzire): 1200 W A3. Aplicatii ce pot fi efectuate: pastrarea la cald a solutiilor; spalarea diverselor obiecte de laborator, care nu se pot spala clasice (ex.: pipete); extractii vegetale; etc. A4. Sursa de finantare: Interreg V-A Romania-Hungary A5. Valoare estimata: 2466 euro fara TVA A6. Anul achizitiei:2018</p>	
<p>A1. Denumire: Hota verticala cu flux laminar V, cu robinet de gaz, scaun, suport, echipamente de protectie (ochelari, masti, manusi), filtru HEPA de rezerva, prefiltru, lampa UV, substante si batiste dezinfecante; A2. Caracteristici, performante: Asigura flux vertical de aer steril; A3. Aplicatii ce pot fi efectuate: Inoculari de celule si tesuturi vegetale; A4. Sursa de finantare: POSDRU 77082; A5. Valoare estimata: 11 000 lei; A6. Anul achizitiei: 2011.</p>	

<p>A1. Denumire: Lampă bactericida 30 W, pe suport mobil; A2. Caracteristici, performante: Mobilitate; A3. Aplicatii ce pot fi efectuate: Sterilizare aer camera inoculare; A4. Sursa de finantare: POSDRU 77082; A5. Valoare estimata: 800 lei; A6. Anul achizitiei: 2011.</p>	
<p>A1. Denumire: Pompa de vid, filtre Milipore A2. Caracteristici, performante: Filtrare performanta A3. Aplicatii ce pot fi efectuate: Sterilizarea prin filtrare a mediilor de cultura; A4. Sursa de finantare: POSDRU 77082 A5. Valoare estimata: 1 800 lei; A6. Anul achizitiei: 2011.</p>	
<p>A1. Denumire: Balanta tehnica A2. Caracteristici, performante: Standard A3. Aplicatii ce pot fi efectuate: Cantariri; A4. Sursa de finantare: POSDRU 77089; A5. Valoare estimata: 1 000 lei; A6. Anul achizitiei: 2011.</p>	
<p>A1. Denumire: Baie de ultrasunete, stand de filtrare, cos de inox A2. Caracteristici, performante: Ultrasonicare A3. Aplicatii ce pot fi efectuate: Sterilizarea prin US A4. Sursa de finantare: POSDRU 77082; A5. Valoare estimata: 3 800 lei A6. Anul achizitiei: 2011.</p>	
<p>A1. Denumire: Suport prelucrare stocare imagini; adaptator camera foto; obiective macro, micro; card, blitz A2. Caracteristici, performante: Efectuare poze macro, micro; A3. Aplicatii ce pot fi efectuate: Baza de date; A4. Sursa de finantare: POSDRU 77082 A5. Valoare estimata: 7 000 lei A6. Anul achizitiei: 2011</p>	
<p>A1. Denumire: Pompa de vid; A2. Caracteristici, performante: Vidare; A3. Aplicatii ce pot fi efectuate: Sterilizare medii de cultura; A4. Sursa de finantare: POSDRU 77082 A5. Valoare estimata: 1 800 lei A6. Anul achizitiei: 2011.</p>	

A1. Denumire: spectrofotometru cu absorbție atomică cu flacără și cuptor de grafit
 A2. Caracteristici, performante: Model Pinnacle 900T, producător PerkinElmer; este prevăzut cu două atomizoare: flacără și cuptor cu corecție de fond pe bază de efect Zeeman cu câmp magnetic longitudinal; sistemul este dotat cu 8 lămpi cu sursă integrată de alimentare pentru lămpi catodice cavitare și lămpi de energie înaltă
 A3. Aplicații ce pot fi efectuate: analize rapide și precise ale cationilor metalici din soluții, în concentrații de ordinul ppm și ppb.
 A4. Sursa de finanțare: proiect ROHU 29
 A5. Valoare estimată: 467,551.00
 A6. Anul achiziției: 2018



A1. Denumire: sistem chromatograf de schimb ionic
 A2. Caracteristici, performante: Model DIONEX AS-DV, ThermoScientific, USA
 A3. Aplicații ce pot fi efectuate: analiza rapidă și precisă a anionilor prezenti în concentrații mici, dar și în urme
 A4. Sursa de finanțare: proiect ROHU 29
 A5. Valoare estimată: 243,656.07
 A6. Anul achiziției: 2018

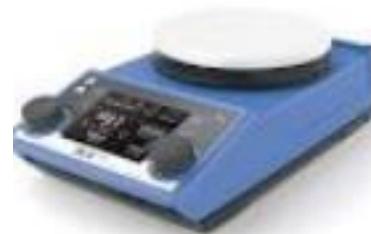


A1. Denumire: nișă chimică cu exhaustare și sistem de stocare substanțe agresive
 A2. Caracteristici, performante: Model Kottermann, fabricată în Germania
 A3. Aplicații ce pot fi efectuate: permite efectuarea analizelor cu compuși toxici, fără ca persoana care lucrează să fie expusă mediului toxic, sistemul avansat de exhaustare reducând la minimum expunerea în noxe
 A4. Sursa de finanțare: proiect ROHU 29
 A5. Valoare estimată: 101,376.10
 A6. Anul achiziției: 2018



A1. Denumire: baie termostatată RAYPA
 A2. Caracteristici, performante: Model BAD-2, fabricată în Spania
 A3. Aplicații ce pot fi efectuate: încălzirea și menținerea temperaturii constante, selectate până la 100 °C, pe parcursul analizelor
 A4. Sursa de finanțare: proiect ROHU 29
 A5. Valoare estimată: 4768.33
 A6. Anul achiziției: 2018



<p>A1. Denumire: balanță analitică cu dublă precizie A2. Caracteristici, performante: Model KERN ABT 220-5DNM A3. Aplicații ce pot fi efectuate: cântărirea probelor cu precizie până la 5 zecimale A4. Sursa de finanțare: proiect ROHU 29 A5. Valoare estimată: 21,748.44 A6. Anul achiziției: 2018</p>	
<p>A1. Denumire: agitator magnetic cu încălzire IKA A2. Caracteristici, performante: Model RET CV S000, fabricat de IKA, Germania A3. Aplicații ce pot fi efectuate: agitarea probelor lichide cu posibilitatea menținerii unei anumite temperaturi a probelor A4. Sursa de finanțare: proiect ROHU 29 A5. Valoare estimată: 8,337.73 A6. Anul achiziției: 2018</p>	
<p>A1. Denumire: Titrator potențiometric + titrator determinare umiditate prin metoda Karl Fischer A2. Caracteristici, performante: TitroLine 7750, fabricat în Germania A3. Aplicații ce pot fi efectuate: sistem automat de titrare a soluțiilor apoase și din solvenți organici A4. Sursa de finanțare: proiect ROHU 29 A5. Valoare estimată: 62,286.98 A6. Anul achiziției: 2018</p>	
<p>A1. Denumire: Sistem de obținere a apei distilate și bidistilate A2. Caracteristici, performante: Model EVOQUA A3. Aplicații ce pot fi efectuate: obținerea apei distilate necesare preparării soluțiilor în laborator; producerea apei ultrapure necesare pentru pregătirea soluțiilor utilizate la AAS și IC. A4. Sursa de finanțare: proiect ROHU 29 A5. Valoare estimată: 35,163.19 A6. Anul achiziției: 2018</p>	
<p>A1. Denumire: Sistem filtrare vid A2. Caracteristici, performante: Millipore A3. Aplicații ce pot fi efectuate: filtrare la vid înaintat A4. Sursa de finanțare: proiect ROHU 29 A5. Valoare estimată: 9,569.62 A6. Anul achiziției: 2018</p>	

B. Sisteme de calcul

B1. Denumire: Notebook Lenovo thinkpad Edge 13 – 6 bucati, plus genti;
 B2. Caracteristici, performante: Prelucrare date;
 B3. Aplicatii ce pot fi efectuate: Windows, Office; Adobe;
 B4. Sursa de finantare: POSDRU 77082
 B5. Valoare estimata: 8 300 lei
 B6. Anul achizitiei: 2012



B1. Denumire: IMPRIMANTA HP OFFICEJET, 2 buc
 B2. Caracteristici, performante:
 Multifunctional;
 B3. Aplicatii ce pot fi efectuate: Listare, scanare, copiere, fax;
 B4. Sursa de finantare: POSDRU 77082
 B5. Valoare estimata: 1 800 lei;
 B6. Anul achizitiei: 2012



B1. Denumire: Videoproiector BenQ MS 510 cu lampa de rezerva si laser point (6 buc), plus geanta;
 B2. Caracteristici, performante:
 B3. Aplicatii ce pot fi efectuate: Prelegeri;
 B4. Sursa de finantare: POSDRU 77082
 B5. Valoare estimata: 4 000 lei.
 B6. Anul achizitiei: 2012.



B1. Denumire: Miniscanner;
 B2. Caracteristici, performante: Portabil;
 B3. Aplicatii ce pot fi efectuate: Scanare rapida;
 B4. Sursa de finantare: POSDRU 77082;
 B5. Valoare estimata: 280 lei;
 B6. Anul achizitiei: 2012



B1. Denumire: SISTEM DESKTOP, cu monitor
 B2. Caracteristici, performante: Prelucrare date
 B3. Aplicatii ce pot fi efectuate: Windows, Office; Adobe
 B4. Sursa de finantare: POSDRU 77082
 B5. Valoare estimata: 3 700 lei
 B6. Anul achizitiei: 2012



B1. Denumire: Memorie externa Corsair (6 buc) 16 GB
 B2. Caracteristici, performante: CMFUSB2.0-16GBGT Flash VoyagerGT
 B3. Aplicatii ce pot fi efectuate: Stocare informatie
 B4. Sursa de finantare: POSDRU 77082



<p>B5. Valoare estimata: 800 lei B6. Anul achizitiei: 2012</p> <p>B1. Denumire: Sistem calcul - laptop B2. Caracteristici, performante: Prelucrare date B3. Aplicatii ce pot fi efectuate: Office; Adobe; Matlab; B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013 B5. Valoare estimata: 12000 lei B6. Anul achizitiei: 2016</p>	
<p>B1. Denumire: Sistem calcul Lenovo- laptop B2. Caracteristici, performante: Prelucrare date B3. Aplicatii ce pot fi efectuate: Windows; Office; Adobe B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013 B5. Valoare estimata: 3500 lei B6. Anul achizitiei: 2016</p>	
<p>B1. Denumire: Sistem calcul Lenovo Ideapad 500- laptop B2. Caracteristici, performante: Prelucrare date B3. Aplicatii ce pot fi efectuate: Windows; Office; Adobe B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013 B5. Valoare estimata: 3500 lei B6. Anul achizitiei: 2016</p>	
<p>B1. Denumire: Videoproiector Epson (2 buc), plus geanta; B2. Caracteristici, performante: full HD, 1920x1080 B3. Aplicatii ce pot fi efectuate: Prezentari B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013 B5. Valoare estimata: 3500 lei. B6. Anul achizitiei: 2016.</p>	
<p>B1. Denumire: Imprimanta HP LJ color CP B2. Caracteristici, performante: Multifunctional; B3. Aplicatii ce pot fi efectuate: Listare, scanare, copiere, fax; B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013 B5. Valoare estimata: 1 000 lei; B6. Anul achizitiei: 2014</p>	

B1. Denumire: Sistem calcul Asus – laptop (3 buc)
 B2. Caracteristici, performante: Prelucrare date
 B3. Aplicatii ce pot fi efectuate: Windows; Office; Adobe; Matlab; C++
 B4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013
 B5. Valoare estimata: 12600 lei
 B6. Anul achizitiei: 2013



C. Softuri

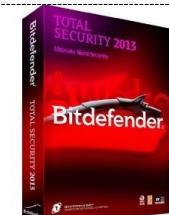
C1. Denumire: Sistem de operare Microsoft Windows Vista
 C2. Aplicatii ce pot fi efectuate: Home Basic (7 buc)
 C3. Numar maxim de utilizatori: 10
 C4. Sursa de finantare: POSDRU 77082
 C5. Valoare estimata: 2 300 lei
 C6. Anul achizitiei: 2012



C1. Denumire: Microsoft Office Home and Student
 C2. Aplicatii ce pot fi efectuate: 7 buc.
 C3. Numar maxim de utilizatori: 10
 C4. Sursa de finantare: POSDRU 77082;
 C5. Valoare estimata: 2 300 lei;
 C6. Anul achizitiei: 2012



C1. Denumire: Bitdefender, 7 buc.;
 C2. Aplicatii ce pot fi efectuate: Antivirus
 C3. Numar maxim de utilizatori: 10
 C4. Sursa de finantare: POSDRU 77082
 C5. Valoare estimata: 2 300 lei
 C6. Anul achizitiei: 2012



C1. Denumire: Office Home and Student for Mac
 C2. Aplicatii ce pot fi efectuate: Office Word, Excel, Power Point; OneNote.
 C3. Numar maxim de utilizatori: 1
 C4. Sursa de finantare: PN-II-ID-PCE-69/2.9.2013;
 C5. Valoare estimata: 700 lei;
 C6. Anul achizitiei: 2016



Oradea, 28/02/2021

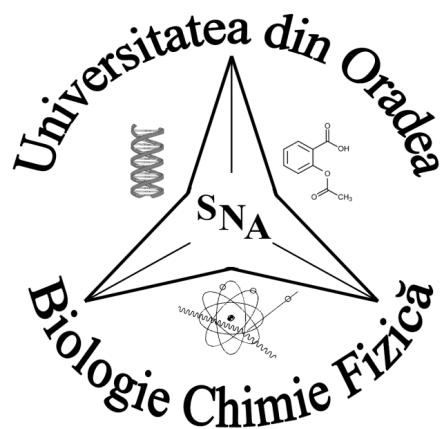
Director centru de cercetare

Prof. univ. dr. LOREDANA MARCU

PRESENTATION OF THE CENTER

1. Name of the Center: Center for Research in Applied Natural Sciences (SNA)

2. Center's logo:



3. Brief presentation of the Center

- SNA includes academics, researchers, postgraduate student (PhD and MSc) as well as undergraduate students from three main science fields: biology, chemistry and physics;
- SNA is legally represented by the University of Oradea, according to the internal regulations of the center;
- SNA is administratively represented by the Director;
- SNA is an independent, non-governmental, apolitical entity with professional, scientific and educational profile;
- The headquarters of the SNA is located at the University of Oradea, 1 Universitatii street, Building C, Department of Physics, tel: 40259 408161, fax: 40259 408468. The Director's contact details: tel: 40 730669502; email: loredana@marcunet.com
- UNESCO classifications: 22 (physics), 23 (chemistry), 24 (life sciences), 25 (earth & space sciences), 32 (medical sciences), 33 (technological sciences);

- NACE classifications: 58, 72, 85.

4. The mission of the research and development unit, the directions of research, development and innovation:

The mission of SNA research center is the fundamental and applied scientific research in natural sciences (biology, chemistry and physics) and inter-related disciplines.

5. The research directions of the center are:

5.1. Research directions in biology:

- initiation of plant cell cultures and their subcultivation on various environments;
- removing hyperhidrium from vitro culture;
- analyzing plant reactivity in vitro, under varying environmental conditions;
- identification of optimal acclimation substrates for plants;
- establishing the optimal conditions for the rapid in vitro multiplication of willow and poplar species in order to acclimate and obtain vegetal biomass as a source of energy;
- micropropagation, in vitro preservation and acclimatization of endangered plant species;
- the study of the aquatic organisms (benthos, ihtiofauna) and the environmental factors that influence them;
- soil enzyme studies;
- study of the influence of thermal waters on the biology and ecology of amphibians;
- mapping the fauna of amphibians and reptiles in the country;
- research into the trophic spectrum of amphibians, their hybridism and physiology.

5.2. Research directions in chemistry:

- synthesis of inorganic compounds with complex structure;

- synthesis and identification of organic compounds and tracking reaction mechanisms;
- identification and dosing of organic and inorganic chemical compounds with impact on environment and living organisms, as well as the development of methods for their recovery and removal;
- corrosion, corrosion protection, corrosion and passivation behavior of metal / medium systems, corrosion protection with inhibitors and conversion layers;
- monitoring the chemical composition of geothermal waters and waste water resulting from various technological processes;
- identification and separation of biologically active compounds by high performance chromatographic methods;
- application of modern laser interferometry techniques in the field of food chemistry.

5.3. Research directions in physics:

- theoretical studies in radiotherapy by Monte Carlo simulation of tumor growth, modeling of radiotherapy treatments and study of the effects of treatments on tumor behaviour;
- the study of dosimetric aspects in brachytherapy of prostate cancers;
- molecular and medical biophysical studies: addressing the principle of voltage and patch-clamp techniques, measuring the electrical currents through a single ion channel, confocal imaging, excitation-contraction coupling in the striated muscle;
- spectroscopic investigations of complexes of biological interest, by spectroscopic methods: UV-VIS, FTIR, RAMAN, RES;
- medical imaging studies with PET/CT, IRM;
- study of the properties of superconducting materials with high critical temperature (HTS) in polycrystalline or thin film;
- study of the properties of vitreous oxides;

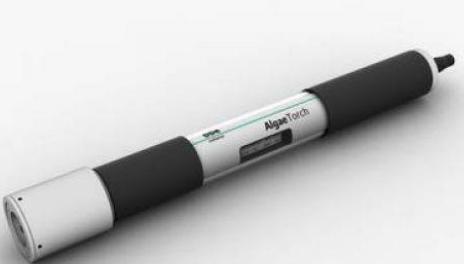
- the theoretical study of magnetic, optical and semiconductor properties, and dilute magnetic semiconductors;
- charge and spin transport phenomena, spintronics and associated phenomena;
- transport phenomena in quantum-dot, quantum-wire and carbon nanotubes, modeled using numerical methods, in particular the method of numerical renormalization;
- theoretical and numerical modeling of the properties of superconducting systems with high critical transition temperature;
- theoretical and numerical modeling of the electronic structure of highly correlated systems;
- the study of the electronic structure of semiconductor and semi-metallic heterostructures;
- dosimetric studies on radon;
- in-situ study of the oxidation process of metallic alloys under different temperature and pressure conditions;
- methodical and didactic studies in teaching and learning physics; physics and modern educational technologies.

6. Valorisation of research, development, innovation results and their degree of recognition

- Participation in national and international research programmes, collaborations through grants and various projects;
- Publication of scientific articles in ISI journals with high international visibility; presentations of research results at various national / international conferences;
- Publication of books and book chapters in top areas of sciences; development of competitive university courses;
- Organisation of seminars for training of young researchers and specialists;
- Participation of undergraduate and postgraduate students in local research programmes and national / international exchange programmes;

- Development of new products, experimental models, computer simulations for interdisciplinary applications;
- Increase of research results visibility on both national and international levels; European integration through participation in Horizon 2020 projects.

7. Equipment / Computing systems / Software

A. Equipment	
A1. Name: BOD determination system A2. Characteristics, performance: Shake measurement system that allows simultaneous BOD analysis for 12x510 ml A3. Applications that can be performed: Biochemical oxygen consumption measurement A4. Source of funding: HURO A5. Estimated value: 4.795,08 euro A6. Purchase year: 2014	 A photograph of an Oxitop Box, a blue rectangular apparatus designed for simultaneous BOD analysis. It contains several brown glass bottles arranged in a tray, with a clear cover on top. The brand name 'OXITOP' and 'Box' is visible on the front panel.
A1. Name: multiparameter HI9829 A2. Characteristics, performance: The system allows for pH and potentiometric measurements, conductivity and salinity, dissolved oxygen concentration, temperature, calibration and measurement according to GLP A3. Applications that can be performed: pH measurement, conductivity, temperature, dissolved oxygen in water A4. Source of funding: HURO A5. Estimated value: 3.644,36 euro A6. Purchase year: 2014	 A photograph of a handheld multiparameter meter. It has a digital display screen showing various measurement parameters and a keypad with buttons. A probe is connected to the side of the device, which is used for water testing.
A1. Name: Algae Torch; BBE A2. Characteristics, performance: real-time determination of chlorophyll content of cyanobacteria and total chlorophyll of microalgae in rivers and lakes A3. Applications that can be performed: determination of aquatic chlorophyll A4. Source of funding: HuRo A5. Estimated value: 12.577,32 euro A6. Purchase year: 2014	 A photograph of an Algae Torch, a handheld device with a black and silver body. It has a probe at the end and a small circular sensor or lens on the side. The brand name 'AlgaeTorch' is printed on the side of the handle.

<p>A1. Name: Benthos Torch BBE A2. Characteristics, performance: simultaneously determine, in real time, the content of cyanobacteria, green algae and diatoms A3. Applications that can be performed: determination of phytoplanktonic algae; A4. Source of funding: HuRo A5. Estimated value: 15.790,16 euro A6. Purchase year: 2014</p>	
<p>A1. Name: Research microscope A2. Characteristics, performance: Upright microscope working in light transmitted by the "bright field" method A3. Applications that can be performed: investigating fixed samples in the light field A4. Source of funding: HuRo A5. Estimated value: 39.331,56 euro A6. Purchase year: 2014</p>	
<p>A1. Name: Stereomicroscope A2. Characteristics, performance: magnification of about 7x – 110x A3. Applications that can be performed: investigating opaque samples A4. Source of funding: HuRo A5. Estimated value: 12.938,16 euro A6. Purchase year: 2014</p>	
<p>A1. Name: inverted microscope A2. Characteristics, performance: An inverted microscope for field light and phase contrast light studies, directing light information to the lateral / ocular port as follows: 0: 100%, lateral port: ocular% and 100: 0%. A3. Applications that can be performed: light field investigations, dark field, UV A4. Source of funding: HuRo A5. Estimated value: 30.459,36 euro A6. Purchase year: 2014</p>	
<p>A1. Name: Electronic device - electronarcosis - 250W, 300-600V, 15-25 A + electronic aggregate electronarcosis (with battery) A2. Characteristics, performance: Output voltages: adjustable in the range 150-300V and 300-600V DC A3. Applications that can be performed: scientific fishing A4. Source of funding: HuRo A5. Estimated value: 8.742,00 euro A6. Purchase year: 2014</p>	

<p>A1. Name: micromanipulation system for microscope</p> <p>A2. Characteristics, performance: Pneumatic injector with syringe capacity of at least 4 ml, volume injected at least 450 ml / rotation. Joystick Hydraulic Micromanipulator (drop handle), three-way shift control, adjustable, graduated, symmetrical design for both sides of the microscope. Maximum stroke on each direction for fine movement of at least 10 mm, resolution better than or equal to 2.5 µm / gradation.</p> <p>A3. Applications that can be performed: cellular interventions, fluid introduction, solid particles, drugs, etc.</p> <p>A4. Source of funding: HuRo</p> <p>A5. Estimated value: 33.435,36 Euro</p> <p>A6. Purchase year: 2014</p>	<p>See Inverted microscope</p>
<p>A1. Name: Distiller / bidistilator (for water)</p> <p>A2. Characteristics, performance: Distilled flow 4 l/h – bi – distilled pH 5,6 - 6,0 Pirogenitis without conductivity < 1 µS/cm; Heating power 6kW; Pressure (min-max) 70 – 560 kPa Minimum flow of raw water 2 l/min Dimensions (mm) 750 x 490 x 380 Weigh: 29 kg</p> <p>A3. Applications that can be performed: Anything needs distilled / bidistilled water</p> <p>A4. Source of funding: Interreg V-A Romania-Hungary</p> <p>A5. Estimated value: 6435 euro w/o TVA</p> <p>A6. Purchase year: 2018</p>	
<p>A1. Name: Analytical balance</p> <p>A2. Characteristics, performance: Max. weight capacity: 320 g Reading: 0,1 mg</p> <p>A3. Applications that can be performed: Anything needs precision weighing</p> <p>A4. Source of funding: Interreg V-A Romania-Hungary</p> <p>A5. Estimated value: 1800 euro w/o TVA</p> <p>A6. Purchase year: 2018</p>	

A1. Name: Portable multiparameter
 A2. Characteristics, performance: pH,
 conductivity, oxygenmetre
 Memory capacity: 500 registrations
 Reading: separate sensor for each parameter
 A3. Applications that can be performed:
 Precise determination of pH, conductivity and
 oxygen in aqueous media
 A4. Source of funding: Interreg V-A Romania-Hungary
 A5. Estimated value: 3715 euro w/o TVA
 A6. Purchase year: 2018



A1. Name: Spectrophotometer UV-VIS
 A2. Characteristics, performance: Spectral
 range: 190 – 1100 nm
 Scanning speed: selectable
 Measuring modes - absorbance and
 transmittance, quantitative analysis
 (concentration)
 A3. Applications that can be performed:
 precise determination of absorption, extinction,
 concentration of aqueous liquid media
 A4. Source of funding: Interreg V-A
 Romania-Hungary
 A5. Estimated value: 6736 euro w/o TVA
 A6. Purchase year: 2018



A1. Name: Light intensity transducer
 A2. Characteristics, performance: Type of
 measured light radiation: Photosynthetic
 active radiation (Wavelengths between 400
 and 700 nm) expressed in $\text{Hmol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$.
 Signal sensitivity: Between 5 HA and 10 HA
 per $\text{Hmol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ Signal linearity:
 Deviation of up to 1% to 1a 10000 $\text{Hmol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$
 A3. Applications that can be performed:
 Determining the intensity of active
 photosynthetic light (PAR)
 A4. Source of funding: Interreg V-A
 Romania-Hungary
 A5. Estimated value: 2775 euro w/o TVA
 A6. Purchase year: 2018

A1. Name: Magnetic stirrer with heating
 A2. Characteristics, performance: Number of stirring positions: max. stirring capacity (H₂O) [l]: 20 [W]: 9 Stirring directions: right
 A3. Applications that can be performed: homogenizing / obtaining solutions
 A4. Source of funding: Interreg V-A Romania-Hungary
 A5. Estimated value: 1450 euro w/o TVA
 A6. Purchase year: 2018



A1. Name: Ultrasonic bath
 A2. Characteristics, performance: Voltage / Frequency: 100-120/220-240V / 50/60 Hz. The ultrasonic frequency: 37 kHz S300: 300 W; Heating power: 1200 W
 A3. Applications that can be performed: hot storage of solutions; washing of various laboratory objects, which can not be washed by classic methods (eg pipettes); plant extracts; etc..
 A4. Source of funding: Interreg V-A Romania-Hungary
 A5. Estimated value: 2466 euro w/o TVA
 A6. Purchase year: 2018



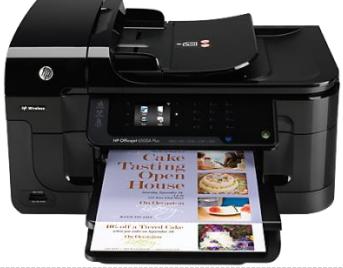
A1. Name: Vertical laminar hood V with gas valve, seat, holder, protective equipment (glasses, masks, gloves), spare HEPA filter, prefilter, UV lamp, disinfectant substances and handkerchiefs;
 A2. Characteristics, performance: Provides vertical flow of sterile air
 A3. Applications that can be performed: Plant cell and tissue inoculations
 A4. Source of funding: POSDRU 77082
 A5. Estimated value: 11000 lei
 A6. Purchase year: 2012



A1. Name: Bactericidal light 30 W, mobile
 A2. Characteristics, performance: Mobility
 A3. Applications that can be performed: Sterilization of air inoculation chamber
 A4. Source of funding: POSDRU 77082
 A5. Estimated value: 800 lei
 A6. Purchase year: 2011

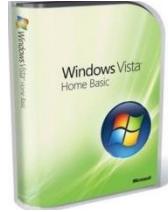
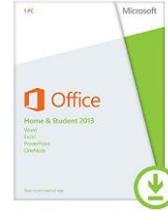
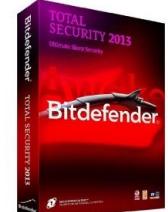


<p>A1. Name: Vacuum pump, Milipore filters A2. Characteristics, performance: Performance filtering A3. Applications that can be performed: Sterilization by filtration of culture media A4. Source of funding: POSDRU 77082 A5. Estimated value: 1,800 lei A6. Purchase year: 2011</p>	
<p>A1. Name: Technical balance A2. Characteristics, performance: Standard A3. Applications that can be performed: weighing A4. Source of funding: POSDRU 77089 A5. Estimated value: 1 000 lei A6. Purchase year: 2011</p>	
<p>A1. Name: Ultrasonic bath, filter stand, stainless steel basket; A2. Characteristics, performance: ultrasonication A3. Applications that can be performed: Sterilization through US A4. Source of funding: POSDRU 77082 A5. Estimated value: 3 800 lei A6. Purchase year: 2011</p>	
<p>A1. Name: Image processing support; camera adapter; macro, micro objectives; card, flash A2. Characteristics, performance: Making pictures macro, micro A3. Applications that can be performed: Database A4. Source of funding: POSDRU 77082 A5. Estimated value: 7,000 lei A6. Purchase year: 2011</p>	
<p>A1. Name: Vacuum pump A2. Characteristics, performance: vacuum A3. Applications that can be performed: Medium culture sterilization A4. Source of funding: POSDRU 77082 A5. Estimated value: 1 800 lei A6. Purchase year: 2011</p>	
<p align="center">B. Computing systems</p> <p>B1. Name: Lenovo ThinkPad Edge 13 notebook - 6 pieces, plus bags B2. Characteristics, performance: Data processing B3. Applications that can be performed: Windows, Office; Adobe B4. Source of funding: POSDRU 77082 B5. Estimated value: 8 300 lei</p>	

<p>B6. Purchase year: 2012</p> <p>B1. Name: HP OFFICEJET PRINTER, 2 pcs</p> <p>B2. Characteristics, performance: Multifunctional</p> <p>B3. Applications that can be performed: Printing, scanning, copying, faxing</p> <p>B4. Source of funding: POSDRU 77082</p> <p>B5. Estimated value: 1,800 lei</p> <p>B6. Purchase year: 2012</p>	
<p>B1. Name: BenQ MS 510 Projector with Backlight and Laser Point (6pcs) plus bag;</p> <p>B2. Characteristics, performance;</p> <p>B3. Applications that can be performed: lectures</p> <p>B4. Source of funding: POSDRU 77082</p> <p>B5. Estimated value: 4 000 lei</p> <p>B6. Purchase year: 2012</p>	
<p>B1. Name: Miniscanner</p> <p>B2. Characteristics, performance: Portable</p> <p>B3. Applications that can be performed: Fast scanning</p> <p>B4. Source of funding: POSDRU 77082</p> <p>B5. Estimated value: 280 lei</p> <p>B6. Purchase year: 2012</p>	
<p>B1. Name: DESKTOP SYSTEM with monitor</p> <p>B2. Characteristics, performance: Data processing</p> <p>B3. Applications that can be performed: Windows, Office; Adobe</p> <p>B4. Source of funding: POSDRU 77082</p> <p>B5. Estimated value: 3 700 lei</p> <p>B6. Purchase year: 2012</p>	
<p>B1. Name: Corsair External Memory (6 pcs) 16 GB</p> <p>B2. Characteristics, performance: CMFUSB2.0-16GBT Flash Voyager GT</p> <p>B3. Applications that can be performed: Information storage</p> <p>B4. Source of funding: POSDRU 77082</p> <p>B5. Estimated value: 800 lei</p> <p>B6. Purchase year: 2012</p>	
<p>B1. Name: Computing system- laptop</p> <p>B2. Characteristics, performance: data acquisition and processing</p> <p>B3. Applications that can be performed: Office; Adobe; Matlab;</p> <p>B4. Source of funding: PN-II-ID-PCE-69/2.9.2013</p> <p>B5. Estimated value: 12000 lei</p>	

<p>B6. Purchase year: 2016</p> <p>B1. Name: Lenovo- laptop B2. Characteristics, performance: data acquisition and processing B3. Applications that can be performed: Windows, Office; Adobe; B4. Source of funding: PN-II-ID-PCE-69/2.9.2013 B5. Estimated value: 3500 lei B6. Purchase year: 2016</p>	
<p>B1. Name: Lenovo Ideapad 500- laptop B2. Characteristics, performance: data acquisition and processing B3. Applications that can be performed: Windows, Office; Adobe B4. Source of funding: PN-II-ID-PCE-69/2.9.2013 B5. Estimated value: 3500 lei B6. Purchase year: 2016</p>	
<p>B1. Name: Videoprojector Epson (2), plus bag; B2. Characteristics, performance: full HD, 1920x1080 B3. Applications that can be performed: presentations; lectures B4. Source of funding: PN-II-ID-PCE-69/2.9.2013 B5. Estimated value: 3500 lei. B6. Purchase year: 2016.</p>	
<p>B1. Name: Printer HP LJ color CP B2. Characteristics, performance: Multifunctional; B3. Applications that can be performed: printing, scanning, copying, fax; B4. Source of funding: PN-II-ID-PCE-69/2.9.2013 B5. Estimated value: 1 000 lei; B6. Purchase year: 2014</p>	
<p>B1. Name: Asus – laptop (3) B2. Characteristics, performance: data acquisition and processing B3. Applications that can be performed: Windows; Office; Adobe; Matlab; C++ B4. Source of funding: PN-II-ID-PCE-69/2.9.2013 B5. Estimated value: 12600 lei B6. Purchase year: 2013</p>	

C. Software

<p>C1. Name: Microsoft Windows Vista Home Basic (7 pcs)</p> <p>C2. Applications that can be performed:</p> <p>C3. Maximum number of users: 10</p> <p>C4. Source of funding: POSDRU 77082</p> <p>C5. Estimated value: 2 300 lei</p> <p>C6. Purchase year: 2012</p>	
<p>C1. Name: Microsoft Office Home and Student, 7 pcs</p> <p>C2. Applications that can be performed:</p> <p>C3. Maximum number of users: 10</p> <p>C4. Source of funding: POSDRU 77082</p> <p>C5. Estimated value: 2 300 lei</p> <p>C6. Purchase year: 2012</p>	
<p>C1. Name: Bitdefender, 7 pcs</p> <p>C2. Applications that can be performed: antivirus;</p> <p>C3. Maximum number of users: 10</p> <p>C4. Source of funding: POSDRU 77082</p> <p>C5. Estimated value: 2 300 lei</p> <p>C6. Purchase year: 2012</p>	
<p>C1. Name: Office Home and Student for Mac</p> <p>C2. Applications that can be performed: Office Word, Excel, Power Point; OneNote.</p> <p>C3. Maximum number of users: 1</p> <p>C4. Source of funding: PN-II-ID-PCE-69/2.9.2013;</p> <p>C5. Estimated value: 700 lei</p> <p>C6. Purchase year: 2016</p>	

Oradea 28/02/2021

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