INFORMAŢII PERSONALE

PRODAN GABRIEL CORNELIU

Str. Adamclisi Nr. 5, Valu lui Traian, 907300, România

\- 0721320886

gprodan@univ-ovidius.ro

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Sexul Masculin| Data naşterii 31/03/1973 | Naţionalitatea Română

EXPERIENŢA PROFESIONALĂ

2014-prezent

Conferențiar Univ.

Universitatea Ovidius din Constanța, Bdul Mamaia Nr. 124, Constanța

- FIMIM/ Fizică, Informatică aplicată, Electronică aplicată, DCE/DCEN, Utilizarea energiei electrice

Tipul sau sectorul de activitate Educație

2011-2014

Lector Univ.

Universitatea Ovidius din Constanța, Bdul Mamaia Nr. 124, Constanța

- FSAI /Sisteme de achiziții de date, Sisteme inteligente de securizare si control, Metode de obținere si interpretare imagini, Sisteme de comunicații

Tipul sau sectorul de activitate Educație

1998-2011

Fizician

Universitatea Ovidius din Constanța, Bdul Mamaia Nr. 124, Constanța

- Laborator de microscopie electronică

Tipul sau sectorul de activitate Educație-cercetare

1996-1998

Fizician-Programator

Automatix Ind. SA Constanța, Bdul Ferdinand Nr 96, Bl. F19, 900709, Constanta, Romania

- Dispecere energetice, Achiziții de date, Dezvoltare aplicații software: DOS, Windows, QNX

Tipul sau sectorul de activitate Industrial-cercetare

2015-prezent

Coordonator disciplină pentru disciplinele: Electronică aplicată

Universitatea ”OVIDIUS” din Constanța

Elaborarea fișelor și calendarelor de disciplină, a materialelor de studiu – *Caiete de studiu individual*, *Caiete de seminar*, asistență on-line și off-line, evaluare pe parcurs – *Lucrări de verificare*, *Teme de control,* evaluare finală

Educație – Învățământ cu frecvență redusă

2015-prezent

Cadru didactic activități aplicative - seminar pentru disciplinele: Electronică aplicată

Universitatea ”OVIDIUS” din Constanța

Îndrumare individuală sau în grup prin întâlniri față în față programate în orar, evaluare pe parcurs.

Educație – Învățământ cu frecvență redusă

2018-prezent

Coordonator disciplină pentru disciplinele: Fizică

Universitatea ”OVIDIUS” din Constanța

Elaborarea fișelor și calendarelor de disciplină, a materialelor de studiu – *Caiete de studiu individual*, *Caiete de seminar*, asistență on-line și off-line, evaluare pe parcurs – *Lucrări de verificare*, *Teme de control,* evaluare finală

Educație – Învățământ cu frecvență redusă

EDUCAŢIE ŞI FORMARE

10.02.2025-18.03.2025 **Curs de formare**
Calificarea / diploma obţinută: Certificat de absolvire nr. 1144/31.05.2025
Curs: Competențe digitale avansate generale – Personal
Proiect: EDUOC – Educație prin digitalizare în Universitatea Ovidius din Constanța
Metode activ-participative de predare-învățare și evaluare

Perioada: 11.12.2024 **Curs de formare**
Calificarea / diploma obţinută: Certificat de participare
Numele şi tipul instituţiei de învăţământ / furnizorului de formare: Universitatea Ovidius din Constanța
Nivelul în clasificarea naţională sau internaţională: Seminar, organizat în cadrul proiectului CNFIS-FDI-2024-F-0344 „Îmbunătățirea calității activității didactice la UOC în domeniul învățământului cu frecvență redusă (IFR) – DIDACT ID-IFR"
Domenii principale studiate / competenţe dobândite: Respectarea standardelor de etică și integritate academică în contextul utilizării tehnologiilor specifice inteligenței artificiale

Perioada: 10.12.2024 **Curs de formare**
Calificarea / diploma obţinută: Certificat de participare
Numele şi tipul instituţiei de învăţământ / furnizorului de formare: Universitatea Ovidius din Constanța
Nivelul în clasificarea naţională sau internaţională: Masă rotundă, organizată în cadrul proiectului CNFIS-FDI-2024-F-0344 „Îmbunătățirea calității activității didactice la UOC în domeniul învățământului cu frecvență redusă (IFR) – DIDACT ID-IFR"
Domenii principale studiate / competenţe dobândite: Schimb de bune practici privind îmbunătățirea calității activității didactice specifice ID-IFR

22.10-25.10.2024 **Curs de formare**
Calificarea / diploma obţinută: Certificat de participare
Numele şi tipul instituţiei de învăţământ / furnizorului de formare: Universitatea Ovidius din Constanța
Nivelul în clasificarea naţională sau internaţională: Curs de perfecționare a personalului didactic de predare, organizat în cadrul proiectului CNFIS-FDI-2024-F-0344 „Îmbunătățirea calității activității didactice la UOC în domeniul învățământului cu frecvență redusă (IFR) – DIDACT ID-IFR"
Domenii principale studiate / competenţe dobândite: Elaborarea resurselor educaționale în tehnologie ID și a altor materiale specifice formelor ID-IFR în vederea îmbunătățirii calității activității didactice

2019 **Curs de formare**
CNFIS-FDI-2019-0519 - DIGITALMENT, Universitatea "OVIDIUS" din Constanța
Metode activ-participative de predare-învățare și evaluare

2019 **Curs de formare**
POCU/320/6/21/ Cod proiect: 122837, Universitatea "OVIDIUS" din Constanța
ProInfo – pregătirea resursei umane în Informatică
- M1: Provocările revoluției industriale asupra curriculari și modalități de predare; Elemente și servicii multimedia în procesul educațional; Sisteme de management al conținutului și de învățare virtuală; Provocările revoluției industriale asupra curriculei și modalității de predare
- M2: Dezvoltarea competentelor pe termen mediu si lung pentru piața muncii 4.0
- M3:Securitate cibernetică

10.02.2017 **Instruire în tehnologia ID-IFR**
CID-IFR, Universitatea "OVIDIUS" din Constanța
, Situația caietelor de studiu individual, Utilizarea Platformei E-Learning Academis.

21.07.2016 **Instruire în tehnologia ID-IFR**
CID-IFR, Universitatea "OVIDIUS" din Constanța
Întocmirea de către coordonatorii de disciplină a documentelor: fișa disciplinei, Calendarul disciplinei, Elaborarea CSI-urilor, Utilizarea platformei E-learning Academis, Modalități de comunicare bidirecțională

24.11.2015 **Instruire în tehnologia ID-IFR** "Utilizarea Platformei e-learning ACADEMIS"
Red Point Software Solutions Iași România și CID-IFR, Universitatea "OVIDIUS" din Constanța
Utilizarea Platformei E-Learning Academis.

10-11. 07. 2015 **Instruire în tehnologia ID-IFR** – Simpozion"ÎNVĂȚĂMÂNTUL LA DISTANȚĂ ȘI CU FRECVENȚĂ REDUSĂ – O ȘANSĂ ACADEMICĂ DE SUCCES"
CID-IFR, Universitatea "OVIDIUS" din Constanța
Standarde specifice ARACIS pentru IFR

2003-2010 **Doctor Summa cum Laude – Științe exacte: FIZICA**
Universitatea din București
- Fizica stării solide
- Tranziții de fază
- Microscopie electronică

1996-1997 **Studii aprofundate– Fizica stării condensate și a sistemelor atomice**

Universitatea Ovidius din Constanța

- Fizica stării condensate
- Fizică nucleară
- Examinare nedistructivă: Ultrasunete, radiații X, radiații gama

1991-1996 **Facultatea de Fizică: specializarea Fizica Corpului Solid**

Universitatea din București

- Fizica stării solide, Teoria solidului
- Fizica metalelor
- Electronică
- Dispozitive și circuite electronice

COMPETENTE PERSONALE

Limba(i) maternă(e): Română

Alte limbi străine cunoscute

	INTELEGERE				SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
ENGLEZĂ	C2	C2	C2	C2	C2
	Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.				
FRANCEZA	B2	B2	B2	B2	B2
	Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.				

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadrul european comun de referinţă pentru limbi străine

Competenţe de comunicare

- bune competenţe de comunicare dobândite prin experiența proprie ca membru în contracte de cercetare, participare la conferințe naționale și internaționale

2022-2023 **Ovidius Cyber Cloud**: Development of the computational infrastructure of the Ovidius University of Constanta for numerical modelling, simulation and processing of massive data structures by the establishment of cloud data centre, Contract no: 252/29.05.2020, code MySMIS: 124984, POC – member - https://insae.ro/index.php/ro/occ/
2022-2023 **ROMANA** – "Resource Optimal allocation by Morphing Agile systems using Nonlinear Analysis" - PN-III-P4-ID-PCE-2020-2738 – member - https://insae.ro/index.php/project-romana
2023-2023 **EITRM-OUC**: RTDI project with support measures for the consolidation of the participation of Ovidius University of Constanta in EIT Raw Materials, Contract no 338/390014/09.02.2021, code MySmis 108048. – member - https://insae.ro/index.php/ro/eitrm/
2023 **CNFIS-FDI-2023-F-0391** – "Development of institutional capacity for research excellence and innovation in Ovidius University of Constanta with impact on sustainable regional development" - member
2023 **CNFIS-FDI-2023-F-0124** – "Sustainable development of the Student Entrepreneurial Society Ovidius Innovation Center - OICSAS" - member
2021-2023 **IDENEO** - "Identifying the Unusual Behavior of People in Video Streams", grant 29SOL/2021, PN-III-P2-2.1-SOL-2021-0024 - member
2018 - 2022 **MULTISCALE** - „Scientific research activities for the development of advanced materials and multiscale optimization by integrating nanostructured materials in advanced energy systems", contract nr. 8/01.09.2016, ID P_40_279, code MySMIS 105531. – member - https://multiscale.ro/
2018 - 2022 **STINGS** - Supervision of Tailings by an Integrated Novel Approach to combine Ground-based- and Spaceborne Sensordata, EU – Horizon 2020 – EIT. – member -
2022 **CNFIS-FDI-2022-F-0361** – "Development of institutional capacity for research excellence and innovation in Ovidius University of Constanta with impact on sustainable regional development" – member -
2022 **CNFIS-FDI-2022-0211** – "Consolidation and expansion of the activities of the Student Entrepreneurial Society Ovidius Innovation Center - OICSAS"– member -
2021 **CNFIS-FDI-2021-0447** – "Biomedical research and innovation at Ovidius University of Constanta" – member -
2021 **CNFIS-FDI-2021-0351** – "Consolidation and expansion of the activities of the Student Entrepreneurial Society Ovidius Innovation Center - OICSAS" – member –
...
2007-2010 **NANCARB** – "Nanocrystallography of carbon systems and the influence of structural properties on physical characteristics" - PN-2, 71-121/2007-2010- director of the project
...

Competenţe organizaţionale/manageriale

- Director de proiect NANCARB 2007-2012
- Director INSAE în perioada 2012-2014

Competenţe dobândite la locul de muncă

Scrieţi competenţele dobândite la locul de muncă şi care nu au fost menţionate anterior. Specificaţi contextul în care au fost acestea dobândite. Exemplu:

- operare microscop electronic (Philips CM120ST) curs de specializare Eindhoven: TEM Basic, TEM Advanced
- operare sistem de precesie difracție de electroni (SpinningStar - NanoMegas) curs de specializare Universitatea Ovidius din Constanta
- operare sistem de corodare ionica (IonMILL1010 - Fischione) curs de specializare Universitatea Ovidius din Constanta
- pregătire probe pentru microscopie electronica

Competenţă digitală

AUTOEVALUARE				
Procesarea informaţiei	Comunicare	Creare de conţinut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
Competentele digitale - Grilă de auto-evaluare

Scrieţi denumirea certificatului.

Scrieţi altre competenţele informatice. Specificaţi contextul în care au fost acestea dobândite.

- Latex – distribuția Texlive
- Prelucrare imagini: paint.NET, ImageJ, iTEM, Gatan Microsocopy Suite, etc
- Aplicații de calcul pentru modelare și simulare pentru materiale: DFT/DM (abinit, cp2k, gaussian03, Quantum Espreso, Exciting Code), TEM/ED (QSTEM, EMap, NCEMSS, Diffuse, cTEM)
- Aplicații de calcul pentru modelare și simulare circuite electrice și electronice: QUCS, Electric, LTSpice, PSPice, Gnucap, geda, OpenDSS, DIALux
- CAD: FreeCAD, EagleCAD, Blender 3d, Inventor
- Limbaje de programare: C, CPP, Basic, Java, Python
- Sisteme de operare: Windows, Linux (Ubuntu, Fedora, OpenSuse), QNX
- Platforme de dezvoltare: National Instruments (DAQ), Arduino, Microchip-Atmel (8, 16, 32 biti), ARM (Raspberry PI, Orange PI, BeagleBone, Banana PI), CPLD/FPGA (Xilinx/Altera-Intel)
- 2016 – SoloLearn - Certificat# 1073-1110231: Python 3 Tutorial course
- 2016 – SoloLearn - Certificat# 1060-1110231: SQL Fundamentas course
- 2016 – SoloLearn - Certificat# 1059-1110231: PHP Tutorial course
- 2016 – SoloLearn - Certificat# 1014-1110231: HTML Fundamentals course
- 2019 – PTC - Certificat Fundamentals of IoT Development with ThingWorx
- 2021 – udemy – Certificat# UC-3bc0e58a-e764-4979-8f9f-724bc868b277 – Complete ARM Cortex-M Bare-Metal Programming Ground Up -24.5h (ude.my/ UC-3bc0e58a-e764-4979-8f9f-724bc868b277)
- 2021 – udemy – Certificat# UC-cd9f2086-f533-4553-ac87-e22589e3e4f1 – Build Your Own RealTime OS (RTOS) From Ground Up on ARM 1 -14h (ude.my/UC-cd9f2086-f533-4553-ac87-e22589e3e4f1/)
- 2023-udemy- Certificat# UC-b28893c3-5ff5-4b2d-a434-e07a5fd9bf3b - Learn Siemens S7-1200 PLC & HMI from Scratch using TIA -19h (ude.my/UC-b28893c3-5ff5-4b2d-a434-e07a5fd9bf3b)
- 2024-udemy- Certificat# UC-0f717ce6-297c-420d-9a12-7669cf9a0437 - Learn Siemens S7-1200 PLC and HMI via TIA Portal (Advanced) -14.5h (ude.my/UC-0f717ce6-297c-420d-9a12-7669cf9a0437)
- 2024-udemy- Certificat# UC-49ba4cOe-b048-464f-952c-76aeb2c07498 – Grafana -6.5h (ude.my/UC-49ba4cOe-b048-464f-952c-76aeb2c07498)
- 2024-udemy- Certificat# UC-4d773a9e-280e-4ae7-97f6-4ddfe5af2c64 - Node-RED: IoT projects with ESP32, MQTT and Docker -10h (ude.my/UC-4d773a9e-280e-4ae7-97f6-4ddfe5af2c64)
- 2024-udemy- Certificat# UC-9cb6e987-4593-494b-92ad-d785947b923a -Mastering GeoServer 2024 "The Complete Course" -8.5h (ude.my/UC-9cb6e987-4593-494b-92ad-d785947b923a)
- 2025-udemy- Certificat# UC-b43a6468-7876-4d37-bf3c-6fc66cb9e269 - Bootstrap 5 From Scratch | Build 5 Modern Websites (ude.my/UC-b43a6468-7876-4d37-bf3c-6fc66cb9e269)
- 2025-udemy- Certificat# UC-7528b09a-bb12-44c1-a118-172d2da8c3e1- Intro to Augmented Reality on the Web: WebXR and Three.js (ude.my/UC-7528b09a-bb12-44c1-a118-172d2da8c3e1)
- 2025-udemy- Certificat# UC-e012e0d1-7ebb-461b-b102-0986adf16421 - Google Earth Engine Mega Course: Remote Sensing Applications (ude.my/UC-e012e0d1-7ebb-461b-b102-0986adf16421)

- 2025-udemy- Certificat# UC-9eee2c1b-5663-41cb-8df6-193bf8d8c2ba - Quantum Physics from Beginner to Expert (Quantum mechanics) (ude.my/UC-9eee2c1b-5663-41cb-8df6-193bf8d8c2ba)
- 2025-udemy- Certificat# UC-2f4e9828-beba-4780-bee8-0c9addf83aOd - Electrodynamics based on Maxwell equations (Bachelor level) (ude.my/UC-2f4e9828-beba-4780-bee8-0c9addf83aOd)
- 2025-udemy- Certificat# UC-258f776e-5d10-41d7-9827-be55e4ea9d14 - Statistical Physics & Thermodynamics from Beginner to Expert (ude.my/UC-258f776e-5d10-41d7-9827-be55e4ea9d14)
- 2025-udemy- Certificat# UC-a21926de-d69e-45e9-aa31-189bab2e9788 - The Complete Quantum Computing Course (ude.my/UC-a21926de-d69e-45e9-aa31-189bab2e9788)
- Universal Robots e-Series Core Track
- Universal Robots e-Series Pro Track
- Universal Robots e-Series Application Track
- Universal Robots PolyScope X e-Learning
- 2025 Siemens Certificate ID: kcl8vjkphg - Noțiuni de bază NX CAD (Issued: 2025-12-15)
- 2025 Siemens Certificate ID: hdxbig j88h - Introducere în Process Simulate (Issued: 2025-12-21)
- 2026 Siemens Certificate ID: jprxwiyjv9 - Programarea CNC cu NX CAM (Issued: 2026-01-01)
- 2026-udemy- Certificat# UC-4bf7978f-d901-4003-8439-13d92e802fac- QGIS plugin development with Python (ude.my/UC-4bf7978f-d901-4003-8439-13d92e802fac)

Alte competenţe

Reviewer: Materials Chemistry and Physics, Applied Surface Science, Journal of Molecular Structure, Arabian Journal of Chemistry, Particulate Science and Technology, SN Applied Science, Materials Research Express, Nanomaterials, Crystals, IOP Nanotechnology, MDPI Coatings, MDPI Computations, MDPI Int. J. Env. Res. and Public Health, MDPI Materials, MDPI Micromachines, Physica B: Condensed Matter
Indice H: 22(Scopus), 26 (Google Scholar)
Researcherid.com: F-5455-2010
Orcid:https://orcid.org/0000-0002-9323-7562
Scopus Author ID: 6602381196

Permis de conducere

B

LISTA DE LUCRĂRI

Conf. Univ. Dr. Prodan Gabriel
https://orcid.org/0000-0002-9323-7562
ScopusID: 6602381196-> h-index: 24
https://scholar.google.ro/citations?user=1wzzJEcAAAAJ&hl=en -> h-index: 27

A. Teza de doctorat cu titlul

Contributii la rafinarea structurii cristaline prin metoda Rietveld aplicata fascicolelor de electroni, Universitatea București, Romania, 2010.

B. Cărţi publicate

1. *Obținerea și interpretarea imaginilor. Exerciții și aplicații*, G. Prodan, Ovidius University Press, Constanța, 2014 (ISBN 978-973-614-811-8)
2. *Transmission Electron Microscopy*, V. Ciupina, S. Zamfirescu, G. Prodan, Ovidius University Press, Constanta, 2003 (ISBN 973-614-040-1)
3. *Nanostructuri complexe generate în plasmă: Obținere și caracterizare* – V. Ciupina, M. Geavit, R. Vladoiu, G. Prodan, M. Prodan, I. Oancea-Stanescu, C.P. Lungu, I. Mustata, A. Anghel, V. Eugeniu, E. Alexandrescu, R. Trusca, D. Daisa, Ovidius University Press, Constanta, 2008 (ISBN 978-973-614-456-1)
4. R Vladoiu, C Porosnicu, A Mandes, I Jepu, V Dinca, A Marcu, M. Lungu, G. Prodan, L. Avotina, "DLC Thin Films and Carbon Nanocomposite Growth by Thermionic Vacuum Arc (TVA) Technology", Chapter 5 in "Diamond and Carbon Composites and Nanocomposites", ISBN 978-953-51-2454-2, Intech 2016, [DOI: 10.5772/63367]

C. Articole publicate în reviste indexate Thomson Reuters Web of Knowledge (fost ISI)

1. Reviste cu factor de impact calculat

Nr. Crt.	Lucrare (autori, titlu, jurnal vol(nr), pag(an), DOI) SCOPUS: paper, review	Factor impact
1.	V Ciupina, R Vladoiu, GC Prodan, C Porosnicu, C Lungu, V Satulu, A Mandes, V Dinca, E Andronescu, B Vasile, V Nicolescu, S Polosan, E Matei, “Romanian Reports in Physics 77, 503 (2025) N-DOPED C/Ti/C/Al/C/Si MULTILAYER AND N-DOPED C+Ti/C+Al/C+Si COMPOSITE THIN FILMS: SYNTHESIS AND CHARACTERIZATION”,Romanian Reports in Physics 77, 503 (2025) https://rrp.nipne.ro/2025/AN77503.pdf	**0.611**
2.	Iulia Ioana LUNGU, Ecaterina ANDRONESCU, Florian DUMITRACHE, Lavinia GAVRILA-FLORESCU, Iuliana MORJAN, Ana Maria BANICI, Claudiu FLEACA, Anca CRIVEANU, Gabriel PRODAN, “Laser pyrolysis synthesized iron oxide nanoparticles. A study on the influence of the sensitizer used,”, UPB Scientific Bulletin, Series B: Chemistry and Materials Science 2024, 86(1), 109 – 118, doi: - , WOS:001196525500008	**0.3**
3.	Iulia Ioana Lungu, Ecaterina Andronescu, Florian Dumitrache, Lavinia Gavrila-Florescu, Ana Maria Banici, Iuliana Morjan, Anca Criveanu, Gabriel Prodan, "Laser Pyrolysis of Iron Oxide Nanoparticles and the Influence of Laser Power", Molecules 2023, 28(21), 7284; https://doi.org/10.3390/molecules28217284	**4.600**
4.	Criveanu, A., Dumitrache, F., Fleaca, C., Gavrila-Florescu, L., Lungu, I., Morjan, I.P., Socoliuc, V., Prodan, G., „Chitosan-coated iron oxide nanoparticles obtained by laser pyrolysis”, Applied Surface Science Advances, 2023, 15, 100405, https://doi.org/10.1016/j.apsadv.2023.100405	**6.200**
5.	Dinca, V., Mandes, A., Vladoiu, R., Prodan, G., Ciupina, V., Polosan, S., „Microstructural and Morphological Characterization of the Cobalt-Nickel Thin Films Deposited by the Laser-Induced Thermionic Vacuum Arc Method”, Coatings, 2023, 13(6), 984, https://doi.org/10.3390/coatings13060984	**3.400**
6.	Popovici, I.C., Dobrinaș, S., Soceanu, A., Popescu, V., Prodan, G., Omer, I., „New Approaches for Pb(II) Removal from Aqueous Media Using Nanopowder Sodium Titanosilicate: Kinetics Study and Thermodynamic Behavior”, International Journal of Molecular Sciences, 2023, 24(18), 13789, https://doi.org/10.3390/ijms241813789	**1.028**
7.	C. Nastase, G. Prodan, F. Nastase, "Plasma-Polymerized Aniline–Diphenylamine Thin Film	**3.236**

	Semiconductors", Coatings, 12(10), 01441(1-14), 2022[doi:https://doi.org/10.3390/coatings12101441]	
8.	V. Ciupina, C. P. Lungu, R. Vladoiu, G. C. Prodan, C. Porosnicu, E. Vasile, M. Prodan, V. Nicolescu, V. Dinca, O. Cupsa, A. Velea, R. Manu, "Synthesis and characterization of some C-Ti based multilayer and composite nanostructures", Journal of Ovonic Research, 18(2), 177-186, 2022 [DOI10.15251/JOR.2022.182.177] [https://chalcogen.ro/177_CiupinaV.pdf]	**0.892**
9.	S. Cozma, R. Vlădoiu, A. Mandes, V. Dinca, G. Prodan, V. Buršíková, "Characterization of platinum-based thin films deposited by thermionic vacuum arc (TVA) method", Materials, 13(7), 1796-, 2020[doi: 10.3390/MA13071796]	**2.972**
10.	A. Dumbrava, D. Berger, C. Matei, G. Prodan, F. Aonofriesei, M.D. Radu, F. Moscalu,"New Composite Nanomaterials with Antimicrobial and Photocatalytic Properties Based on Silver and Zinc Oxide", Journal of Inorganic and Organometallic Polymers and Materials, 29(6), 2072-2082 (2019), [DOI: 10.1007/s10904-019-01166-4]	**1.637**
11.	R. Vladoiu, A. Mandes, V. Dinca, G. Prodan, P. Kudrna, M. Tichý,"Plasma diagnostics and characterization of the Mg and Mg–Zn thin films deposited by thermionic vacuum arc (TVA) method", Vacuum, 167, pp. 129-135 (2019), [DOI: 10.1016/j.vacuum.2019.06.002]	**2.515**
12.	J. Lungu, G. Socol, G.E. Stan, N. Ştefan, C. Luculescu, A. Georgescu, G. Popescu-Pelin, G. Prodan, M.A. Gîrţu, I.N. Mihăilescu, "Pulsed laser fabrication of TiO2 buffer layers for dye sensitized solar cells", Nanomaterials, 9(5), 746-,(2019), [DOI: 10.3390/nano9050746]	**4.034**
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D. Articole publicate în reviste neindexate

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E. Brevete acordate în întreaga activitate

1. A2007 00206 A2 - Sistem modular utrasonor SMUS-01 (Tașu Sorin, Petculecu Petre, Zăgan Remus, Prodan Gabriel)
2. A/00260/28.05.2024 - Baterii pe baza de electrolit cu conținut de mxene funcționalizate cu oxizi de vanadiu și procedeu de obținere a acestora;
3. A/00060/19.02.2024 - Procedeu de fabricare a unei membrane poroase din material carbonic pe bază de grafen pentru separarea hidrogenului;
4. A/00137/28.04.2024 - Metoda de testare in situ a caracteristicilor bioelectrochimice ale microorganismelor și procedeu de aplicare a acesteia;
5. A/00059/19.02.2024 - Cazan cu peleți autonom integrând un generator termoelectric pentru alimentarea instalațiilor auxiliare;
6. A/00058/19.02.2024 - Dispozitiv autonom de detecție și evaluare a nivelului de radioactivitate la suprafața solului, plaje, zone costiere, albii de râuri, halde de steril din exploatații miniere și industriale;

F. Materiale didactice

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Declar pe propria răspundere că datele prezentate sunt în conformitate cu realitatea

Data
20.02.2026

Semnătura