

**LISTA CU PROPUNERI TITLURI PENTRU LUCRĂRI DE DISERTAȚIE  
2022 – 2023**

<b>Nr. Crt.</b>	<b>Numele și prenumele cadrului didactic</b>	<b>Ciclul de studii</b>	<b>Specializarea</b>	<b>Titlul lucrării</b>
1	Conf.univ.dr. Marius Ștef	Master	FAM	Cristale laser. Aplicații medicale
2	Conf. univ. dr. Marius Ștef	Master	ARMP	Defects in crystals
3	Conf.univ.dr. Daniela Susan-Resiga	Master	ARMP	Yield phenomenon in Ferrofluid - based Magnetorheological Fluids
8	Prof.univ.dr.Marius Paulescu	Master	AEPCP, ARM	Spectral distribution of solar radiation at the ground level
13	Lect.univ.dr. Adrian Neculae	Master	FAM	The transport of biodegradable solute in soil
15	Conf.univ.dr. Eugenia Paulescu	Master	AEPCP	Parametric models for clear-sky solar irradiance
17	Conf.univ. dr. Mădălin Bunoiu	Master	ARMP	Silicon crystal growth - methods and applications
18	Conf.univ. dr. Mădălin Bunoiu	Master	FAM	Asigurarea calității la o secție de radioterapie
19	Lect.univ.dr. Nistor Nicolaevici	Master	AEPCP	Inflationary cosmological models
20	Lect.univ.dr. Nistor Nicolaevici	Master	AEPCP	Gyroscopes in General Relativity
21	Lect.univ.dr. Nistor Nicolaevici	Master	AEPCP	Dynamical symmetries. The hidden symmetry of the hidrogen atom
22	Conf.univ.dr. Călin Avram	Master	ARMP/FAM	Modele de câmp cristalin
23	Conf.univ.dr. Paul Gravila	Master	AEPCP	Higgs events in ATLAS. Z-path
24	Conf.univ.dr. Paul Gravila	Master	AEPCP	Machine learning in Particle Physics.
25	Lect.univ.dr. Victor E. Ambruș	Master	AEPCP	Nuclear field theory and neutron stars
26	Lect.univ.dr. Victor E. Ambruș	Master	AEPCP	Relativistic fluids
27	Lect.univ.dr. Victor E. Ambruș	Master	AEPCP	Effective models in QCD
28	Lect.univ.dr. Victor E. Ambruș	Master	AEPCP	Quark-gluon plasma simulations for heavy-ion collisions
29	Lect.univ.dr. Victor E. Ambruș	Master	AEPCP	Thermal field theory
30	Conf.univ.dr. habil. C. N. Marin	Master	FAM	Imagistica medicala
31	Conf.univ.dr. habil. C. N. Marin	Master	FAM	Radioterapie
32	Conf.univ.dr. habil. C. N. Marin	Master	ARMP	Electromagnetic properties of materials
33	Prof.univ.dr. Daniel Vizman	Master	ARMP	Studiul procesului Czochralski de crestere a cristalelor de Siliciu pentru aplicatiile PV
34	Dr. Robert Blaga	Master	AEPCP	dust clouds, smoke plumes, smog, etc
35	Dr. Robert Blaga	Master	AEPCP	Modelling the impact of aerosols on the photovoltaic production in an urban environment.
36	Dr. Robert Blaga	Master	AEPCP	Study of the impact of climate change on the solar potential in Eastern Europe.
37	Conf. univ. dr. Mădălin Bunoiu	Master	FAM	Compararea rezultatelor in dozimetria relativa, utilizand fantomul 3DScan si ICProfiler.
38	Conf. univ. dr. Mădălin Bunoiu	Master	ARMP	Optimizarea interfeței de automatizare a instalației Bridgman pentru obținerea cristalelor de BaF <sub>2</sub> dopate cu Tm <sup>3+</sup>