

# Curriculum Vitae



## Informatii personale

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Nationalitate Romana  
 Data nasterii 12 iulie 1945  
 Ser B

## Experienta

Cercetari in electromagnetism, magnetometrie, detectie magnetica, senzori, electronica

Data	2010 - prezent	2001 – 2010	1990 - prezent	1971 - 2000
Ocupatie sau pozitie	Conducator doctorat Fizica	Profesor, Prodecan,	Administrator firma, Manager cercetare	Cercetator
Principalele activitati si responsabilitati	Conducere doctorat	Cursuri si cercetare, Bioinstrumentatie medicala, Biometrologie, Sensori traductori si Biosenzori, Imagistica Medicala, Metodologia Cercetarii Stiintifice	Cercetare, inovare si productia de echipamente si dispozitive magnetometrice	Cercetari fundamentale si experimentale in electromagnetism
Namele si adresa angajatorului	Universitatea "Alex. Ion. Cuza" din Iasi, scoala doctorala a Facultatii de Fizica	Universitatea de Medicina Farmacie, "Gr.T.Popa" Facultatea de Bioinginerie Medicala, Iasi	Terraflux Control Ltd. Iasi, Romania	Institutul de Fizica Tehnica, Iasi, Romania
Type of business or sector	Educatie Universitara		Administrare, cercetare	Cercetare

## Educatie

Data	1965 - 1971	1979	1985	1982
Titlu	B.Sc.	Patente		Doctor in Fizica
Competente	Electroradiofizica	Consultant in domeniul Proprietatii Intelectuale si Industriale	Procesarea Digitala	Teza; "Contributii la studiul si realizarea de magnetometre pentru campuri magnetice slabe"
Institutia	Universitatea "Alexandru Ioan Cuza", Facultatea de Fizica	Romanian State Office for Inventions and Trademarks Bucuresti	Univ. Tehnica "Gh. Asachi" din Iasi	Institutul Central de Fizica Bucuresti, Romania
	Diploma	Certificat	Diploma	Diploma
Pozitii ocupate	1971 - 2001 cercetator, Institutul de Fizica Tehnica Iasi 1990 - Manager – Terraflux Control Ltd. 2001 – Profesor, Facultatea de Bioinginerie Medicala Universitatea de Medicina Farmacie, "Gr.T.Popa" Iasi, Romania 2002 - 2006 Sef al Departamentului de Bioinstrumentatie Medicala 2006 - 2008 Prodecan Facultatea de Bioinginerie Medicala Universitatea de Medicina Farmacie, "Gr.T.Popa" Iasi, Romania, 2010 – Profesor asociat Facultatea de Bioinginerie Medicala Universitatea de Medicina Farmacie, "Gr.T.Popa" Iasi, Romania, 2010 – Assoc. Prof. Doctoral School - Faculty of Physics – "Al. I. Cuza" University of Iasi			
Limba materna	Romana			

Alte limbi starine

European level (\*)

**Limba**

**Limba**

Aptitudini si competente  
organizationale

Aptitudini si competente

Cursuri

Afilieri profesionale - membru

Cercetari domeniu, rezultate

Distinctii si Medalii

Alte activitati

Intelegere		Vorbire		Scriere	
Ascultare		Citire		Discurs oral	
	French		French		French
	English		English		

Director, co-director sau coordonator la 85 de proiecte de cercetare nationale si internationale sef departamente si colective de cercetare.

Electronica, electrotehnica, prelucrari mecanice

Fizica,

Bioelectromagnetism,

Metrologie si Biometrologie Sistemica

Sensori Traduscatori si Biosenzozri,

Aplicatii ale Microundelor in Medicina,

Principiile Fizice ale Sistemelor Imagistice Medicale,

Metodologia Cercetarii Stiintifice

- IEEE

- The Institution of Engineering and Technology - IET

- The New York Academy of Science,

- Romanian Society of Medical Bioengineering

- Romanian Society of Electromagnetic Compatibility

- Romanian Society for Nonionogen Electromagnetic Radiation Protection

- European Alliances for Medical and Biological Engineering & Science - EAMBES

- The Society of Physicians and Naturalists of Iasi

- International Committee for the History of Technology - ICOHTEC

- Founder and member of Scientific Foundation and Innovative Culture - IRIIS

- Romanian Commission for Heraldry, Genealogy and Sigillography Iasi Branch

- Romanian Committee for the History and Philosophy of Science and Technology – CRIFST – Romanian Academy

- European BioElectromagnetism Association - EBEA

- International Society for Bioelectromagnetism

Activitatea stiintifica principala: cercetari in fundamentale, experimentale si aplicative in domeniul dispozitivelor si instalatiilor magnetice si electromagnetice cu aplicatii industriale, militare. Domeniul de campuri magnetice explorate: generare, masurare si control : 100 T --- 100 pT.

Lucrari comunicate, publicate, capitole, carti si brevete: peste 450 de lucrari (11 carti, 26 brevete)

- „Henry Coanda” Medalia pentru activitatea inventiva

- „Traian Vuia” Premiul Academiei Romane, 2001

- Ordinul National “Pentru Merit” in grad de Cavaler, 2002

- Cavaler al Ordinului Suveran “Sfanta Fecioara Maria”

- Profesor Emeritus – Univ. de medicina si Farmacie “Grigore T. Popa”

- Profesor Bologna – nominare a studentilor

- Peste 70 de Premii si Medalii de Aur, Argint, Bronz la diferite manifestari legate de activitatea de inovare si inventica la Saloanele si Conferintele organizate in: Bruxelles, Bucuresti, Casablanca, Geneva, Iasi, Moscow, Novi Sad, Sevastopol etc.

- Senate member of the “Gr. T. Popa” University of Medicine and Pharmacy

- Associated researcher – National Institute of Inventics, Iasi, Romania

- Member of the organizing committees of the following conferences and symposiums:

- The 5th IEEE Int. Conf. on Computational Cybernetics, ICC3, Oct. 2007, Gammarth, Tunisia

- The 15- th IMEKO TC4 Int. Symp. on Novelty in Electrical Measurements Instrumentation 2007, Iasi Romania, Sect. 4 - Calibration, Metrology and Standards

- National Conference on Applied Physics, Galati, Romania 2006.

- National Conference on Physics CNF Iasi, 2006

- The XIII - th Conference on Plasma Physics and Applications, Iasi, Romania, 2005

- EHB E- Health and Bioengineering Symposium, Iasi, Nov., 2007

- EHB E- Health and Bioengineering Symposium, Constanta, Romania 2009

- The 3-rd National Conference of Applied Physics “Gh. Asachi” Technical University Iasi, 2008

- Int. Conference and Exposition on Electrical and Power Engineering – Iasi

- International Conference Inventica - Iasi

- Reviewer: conferinte EPE Iasi, Meditech Cluj, International Journal of Applied Electromagnetics and

Mechanics, Progress in Electromagnetics Research – PIERS, Sensor Letters, IEEE Transactions on Magnetics, Sensors and Actuators, Measurement Journal, Computers in Biology and Medicine.

- Editorial Board: Journal of Inventics and NOEMA – Romanian Academy