PERSONAL INFORMATION

Bogdan Stefan VASILE

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bogdan.vasile@upb.ro

www.bogdan-vasile.ro

Sex Male | Date of birth 27 Dec 1982 | Nationality Romanian

WORK EXPERIENCE

01/2023-Present

Senior Researcher II

Thin Film Laboratory Responsible, Head of the Structural Analysis and Microscopy Laboratory, Scientific council board member

Research Center for Advanced Materials, Products and Processes, Bucharest (Romania),National University for Science and Technology POLITEHNICA Bucharest,

Research in the field of Materials Science, Biomaterials and Nanostructured Materials, research in the field of transmission electron microscopy and Responsible of the Transmission electron microscopy laboratory from the University POLITEHNICA from Bucharest

Business or sector Research

03/2013–12/2022

Senior Researcher III

Head of the Structural Analysis and Microscopy Laboratory

University Politehnica from Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)

Research in the field of Materials Science, Biomaterials and Nanostructured Materials, research in the field of transmission electron microscopy and Responsible of the Transmission electron microscopy laboratory from the University POLITEHNICA from Bucharest

Business or sector Research

10/2021–Present

Assistant professor

University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Animal Productions Engineering and Management

Master and diploma courses and practical laboratories

Business or sector Higher Education

08/2019 - Present

Founder, manager

HTP Research & Consulting

HTP Research & Consulting

Research consultancy business

Business or sector Research

03/2018–08/2018

Personal Counselor for Minister

Ministry of Research and Innovation

Adviser on scientific research

Business or sector Administration

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07/2017–Present **Technical Manager**
National University for Science and Technology POLITEHNICA Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
National Research Center for Food Safety

Business or sector Research

11/2014–Present **Technical Manager**
National University for Science and Technology POLITEHNICA Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
National Research Center for Micro and Nanomaterials

Business or sector Research

05/2008–03/2013 **Engineer**
University Politehnica from Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
Auxiliary didactic – Science and Engineering of Oxidic Materials and Nanomaterials

Business or sector Auxiliary Didactic, Research

03/2008–05/2008 **Scientific Researcher**
National Scientific Research Institute for Labour and Social Protection, Bucharest (Romania)
Research in Labour and Social Protection

Business or sector Research

07/2006–03/2008 **Scientific Researcher Assistant**
National Scientific Research Institute for Labor and Social Protection, Bucharest (Romania)
Research in Labor and Social Protection

Business or sector Research

05/2005–06/2006 **Computer operator**
National Scientific Research Institute for Labour and Social, Bucharest (Romania)
Data Entry Operator

Business or sector Research

EDUCATION AND TRAINING

2006–2011 **Doctor in Chemical Engineering**
University Politehnica from Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
ZrO_2 and Al_2O_3 based nanopowders and nanocomposites

2006–2008 **Master Diploma**
University Politehnica from Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
Composite Materials

2001–2006 **Engineer Diploma**
University Politehnica from Bucharest, Faculty of Applied Chemistry and Materials Science, Bucharest (Romania)
Physical Chemistry of Solid State, Binders Technology, Thermo-technologic Installation, Ceramic Technology

1997–2001 **Baccalaureate Diploma**
Dinicu Golescu College, Cîmpulung Mușcel (Romania)
Chimistry-Biology

PERSONAL SKILLS

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Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C1
German	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Ability to work in a team - experience of working in research or project teams, to effectively communicate with peoples with different backgrounds, Laboratory responsible and Advisory skills.

Organizational / managerial skills Coordinator of Advanced structural Laboratory at UPB, Technical Manager of National Research Center for Micro And Nanomaterials and National Research Center for Food Safety

Job-related skills/courses

Courses/Skills

Expert in accessing European structural and cohesion funds, AUTHORIZED A.N.C., June 2023.

Principal subject/occupational skills covered: Understanding the general framework of the EU economic and social cohesion policy in the current programming period; Knowledge of the current institutional and regulatory framework for accessing Structural Funds and Cohesion Funds; Understanding the coherent sequence of steps in developing a feasible, viable and sustainable project; Outline of the main tools used in the development of projects; Understanding how to present projects in a funding application; Drafting a funding request to access Structural Funds or Cohesion Funds.

Public Procurement Expert, AUTHORIZED A.N.C., October 2021

Principal subject/occupational skills covered: National legislative authority in the field of public procurement; Primary legislation (Law no. 98/2016 on public procurement, O.U.G. no. 98/2017 on the function of ex-ante control of the process of awarding contracts/agreements - public procurement framework, of contracts/agreements - sectoral framework and of contracts of works concession and service concession, etc.), secondary (H.G. no. 395/2016 for the approval of the Methodological Norms for the application of the provisions relating to the awarding of the public procurement contract/framework agreement from Law no. 98/2016 on public procurement , etc.); tertiary (Orders, Instructions of the President of A.N.A.P., etc.); The principles and planning of public procurement, drawing up the PAAP; General rules for participation and conduct of award procedures; Assignment documentation; Developing the skills of drawing up the award documentation; Establishing the qualification and selection criteria, the documents to be presented by the tenderer/candidate in order to fulfill the respective criteria; Establishing the award criteria for determining the most advantageous offer from an economic point of view; Establishing the participation guarantee and the good execution guarantee; Requirements regarding the presentation and submission of the offer, as well as its validity period; Realization of public procurement; Choice of modalities and award procedures; Transparency rules; Carrying out award procedures; The offer and accompanying documents; Notions regarding the way to prepare and present the offer; The technical proposal; Financial proposal; Evaluation of offers; The evaluation commission and its working method; Completion of the award procedure; Cases of cancellation of the award procedure; The acquisition file and the award procedure report; Execution of the public procurement contract/framework agreement; Modification of the public procurement contract/framework agreement; Specific cases of termination of the public procurement contract; Misdemeanors and penalties; Presentation of the methods of resolving appeals (Law no. 101/2016 on remedies and appeals in the matter of awarding public procurement contracts, sectoral contracts and works concession contracts and service concession contracts, as well as for the organization and operation to the National Council for the Resolution of Appeals).

Formator Course (Trainer), COR 242401, March 2019

Principal subject/occupational skills covered: preliminary notions, preparation and logistics of training programs; designing and building training programs, making up the course design; the development and delivery of various types of training programs: workshops, seminars, open courses, customized courses for companies, training, presentations, on-the-job training, induction, qualification/specialization/improvement courses; evaluation of training program participants; the applied communication module for the delivery of training programs; public speaking techniques adapted for training programs; classical and modern memorization techniques and training methods; emotion management module (first aid methods, training methods).; how to manage difficult situations (difficult courses, difficult learners); commercial approach module (selling courses to companies).

European Summer Workshop: Transmission Electron Microscopy of Nanomaterials (TEM-UCA 2017)

Dates – 17 – 21 July 2017

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered - Transmission Electron Microscopy – Basics; Computer-Assisted Electron Crystallography; Introduction to Image Interpretation with Image Simulation; In-situ Transmission Electron Microscopy; Mapping Plasmons in STEM-EELS; Nanoparticles Modelling & Simulation; X-ray Energy Dispersive Spectroscopy: Basics; Aberration Correction by Hardware in TEM; X-ray Energy Dispersive Spectroscopy – Practical Laboratory; Electron Energy Loss Spectroscopy; Electron Tomography with Practical Laboratory; Low-voltage TEM for 2D Materials; Advanced (S)TEM of Functional Oxides; Applications of (S)TEM to Catalytic Materials;

Name and type of organization providing education and training - University of Cadiz, Faculty of Science, Cadiz, Spain

European EELS & EFTEM School

Dates – 07 – 10 February 2017

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered - "EELS" – lectures and acquisition labs, EELS analysis labs; "EFTEM" – lectures, Filter and optics lecture, DM scripting lecture and tutorial, EFTEM acquisition lab, EFTEM analysis lab; "Spectrum Imaging and Advanced Techniques" – SI lectures, Advanced techniques SI, Advanced topics talk, SI acquisition labs, EELS analysis labs; "ASTEM" – specific lecture.

Name and type of organization providing education and training - Institute of Electron Microscopy and Nanoanalysis (FELMI), Graz University of Technology, Graz Centre for Electron Microscopy (ZFE), Austrian Cooperative Research (ACR), Graz, Austria

Electron Tomography Course

Dates – 18 - 22 April 2016

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered - Tomography Data Acquisition (Calibrations, Data acquisition); Reconstruction using Inspect3D (Basic theory, Alignment, Reconstruction, Visualization); Cryo Tomography (Low Dose, Zero Loss); New Developments (STEM Tomography, Energy Filtered Tomography).

Name and type of organization providing education and training - FEI Application Laboratory, Eindhoven, Nederland

XRD Course

Dates – 24 – 28 June, 2013

Title of qualification awarded- X-Ray Diffraction certificate

Principal subject/occupational skills covered -XRD Course

Name and type of organization providing education and training - Panalitycal BV Europe (Univeristy Politehnica from Bucharest)

European EELS & EFTEM School

Dates – 14 – 17 February 2012

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered - "EELS" – lectures and acquisition labs, EELS analysis labs; "EFTEM" – lectures, Filter and optics lecture, DM scripting lecture and tutorial, EFTEM acquisition lab, EFTEM analysis lab; "Spectrum Imaging and Advanced Techniques" – SI lectures, Advanced techniques SI, Advanced topics talk, SI acquisition labs, EELS analysis labs; "ASTEM" – specific lecture.

Name and type of organization providing education and training - Institute of Electron Microscopy and Nanoanalysis (FELMI), Graz University of Technology, Graz Centre for Electron Microscopy (ZFE), Austrian Cooperative Research (ACR), Graz, Austria

School and workshop on the Electron Microscopy of Ceramics Materials

Dates – 08 - 11 October 2009

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered - Specimen Preparation Techniques, Introduction to FIB and Sample Preparation by FIB, Introduction to Scanning Electron Microscopy (SEM), Introduction to Transmission Electron Microscopy (TEM), Electron Diffraction in the SEM and TEM, Advanced detection and imaging principles in the Field Emission SEM, Quantitative High Resolution Transmission Electron Microscopy, In-situ Transmission Electron Microscopy, Energy Dispersive X-ray Analysis (EDX) in SEM and TEM, Scanning Transmission Electron Microscopy (STEM), Analytical TEM-1: Electron Energy Loss Spectrometry (EELS) & Energy Filtered Transmission Electron Microscopy (EFTEM), Electron Backscatter Diffraction (EBSD) in Ceramic Materials, Tomography for Ceramic Materials, Interfaces in Ceramics: Challenges for Microscopy, (presenter C. Barry Carter), Dual EELS and new frontiers in analyzing ceramic materials, Spectroscopy and tomography of oxide glasses and glass-composite materials, TEM specimen preparation of ceramic materials by tripod wedge polishing and Ar - ion milling,

Name and type of organization providing education and training - Anadolu University, Eskisehir, Turkey

Nanomaterials course

Dates – 25 - 28 Mai 2009

Title of qualification awarded - Certificate of completion

Principal subject/occupational skills covered – nanomaterials – general introduction, economic consideration; Consequences of small particle size; Synthesis of nanoparticulate materials; Catalytic and mechanical properties, surface and surface related properties; Magnetic, electrical, optical properties, nanotubes and related structures,

Name and type of organization providing education and training - Dieter Vollath / NanoConsulting, Bad Gastein, Austria

Trainings

Versa 3D Application (SEM, FIB, EDS)

Dates – 08 – 12 February, 2016

Title of qualification awarded - Participation certificate

Principal subject/occupational skills covered - Basic operation of Versa 3D Dual beam microscope; Beam interaction and resulting signal; Ion beam – General operation; Cross-section milling, alignments, TEM sample preparation; EDS module operation; Cryo SEM operation;

Name and type of organization providing education and training - FEI Company, Bucharest, Romania (On-site Training)

Titan Themis 200 for Materials science

Dates – 16 – 18 February, 2016

Title of qualification awarded - Participation certificate

Principal subject/occupational skills covered - High Resolution Transmission Electron Microscopy (HR-TEM); Image Corrector Tuning; High Resolution Scanning Transmission Electron Microscopy (HR-STEM); Energy Dispersive X-Ray Spectroscopy (EDX); Energy Electron Loss Spectroscopy (EELS); Lorenz in TEM; Chemi – STEM (EDX and EELS mapping);

Name and type of organization providing education and training - FEI Company, Bucharest, Romania (On-site Training)

Titan Themis 200 for Life science (Sample Prep via VitroBot and Cryo-TEM)

Dates - 08 - 10 March 2016
Title of qualification awarded - Participation certificate
Principal subject/occupational skills covered - Cryo TEM Sample preparation and basic imaging; STEM/EDX Imaging and alignment (Optimizing and Aligning TEM and electron diffraction for cryo work; Contrast mechanisms in Cryo - TEM and dark field imaging; Low Dose Imaging); Tomography (Tomography data acquisition and 3D reconstruction).;
Name and type of organization providing education and training - FEI Company, Bucharest, Romania (On-site Training)

Tecnai Materials Science Course

Dates - 15 - 19 June 2009
Title of qualification awarded - Participation certificate
Principal subject/occupational skills covered – High Resolution Transmission Electron Microscopy (HR-TEM); High Resolution Scanning Transmission Electron Microscopy (HR-STEM); Energy Dispersive X-Ray Spectroscopy (EDX); Energy Electron Loss Spectroscopy (EELS);
Name and type of organization providing education and training - FEI Application Laboratory, Eindhoven, Nederland

Tecnai Basic Course

Dates - 10 - 14 November 2008
Title of qualification awarded - Participation certificate
Principal subject/occupational skills covered - Introduction, basic theory, Tecnai philosophy, Tecnai microscope, Modes of operation, Tecnai user interface, Tecnai user interface, TEM optimization, Microscope alignment, Microscope alignment, Microscope tasks, digital imaging.
Name and type of organization providing education and training - FEI Application Laboratory, Eindhoven, Nederland

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

ECDL Certificate

Other skills

Consultancy on R&D, practical laboratory work with students, research activities in the laboratory in what regards synthesis of nanopowders and nanostructured ceramics and characterization of these materials using X-Ray diffraction, scanning electron microscopy and transmission electron microscopy (High resolution electron microscopy, selected area electron diffraction, scanning transmission electron microscopy, energy dispersive X-ray spectroscopy with TEM, energy filtered electron microscopy and electron energy loss spectroscopy)
Researcher ID: B-8685-2011
URL: http://www.researcherid.com/rid/B-8685-2011

Aditional Information

Member in the Academy of Romanian Scientists.

Fields of interests

Nanomaterials, thin films, advanced characterization techniques (Transmission electron microscopy (HRTEM, TEM, SAED, EELS, STEM, EDXS), Scanning electron microscopy, X-Ray diffraction,

spectroscopy/spectrometry), Materials for energy, etc.

Publications

Over 360 ISI Papers, more than 220 ISI cumulated factor (according to criteria by CNATCU), 33 principal author, H index 49 (According to Google Scholar)

Prizes and Awards:

Silver Medal issued by EUROINVENT - Method for obtaining nanostructured Cu2ZnSnS4 thin layers with a continuous concentration gradient for photovoltaic applications, Iulian BOERASU, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Roxana Doina TRUSCA, Adrian Vasile SURDU, Valentin CRACIUN, Patent no. A/00034/06.02.2024, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Special Award issued by Polytechnic University of Timisoara, Romania - Method for obtaining nanostructured Cu2ZnSnS4 thin layers with a continuous concentration gradient for photovoltaic applications, Iulian BOERASU, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Roxana Doina TRUSCA, Adrian Vasile SURDU, Valentin CRACIUN, Patent no. A/00034/06.02.2024, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Excelence Award issued by University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania - Method for obtaining nanostructured Cu2ZnSnS4 thin layers with a continuous concentration gradient for photovoltaic applications, Iulian BOERASU, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Roxana Doina TRUSCA, Adrian Vasile SURDU, Valentin CRACIUN, Patent no. A/00034/06.02.2024, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Silver Medal issued by EUROINVENT – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

The Green Environment Special Award issued by EUROINVENT – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Special Award issued by Corneliu Group Association for Research and Innovation – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

ICECHIM Award issued by National Institute for Research & Development in Chemistry and Petrochemistry (ICECHIM), Bucharest, Romania – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Certificate of Excelence issued by Polytechnic University of Timisoara, Romania – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 16th edition of EUROINVENT (European Exhibition of Creativity and Innovation), 6-8 JUNE 2024, Iasi, Romania.

Gold Medal issued by Toronto International Society of Innovation & Advanced Sills (TISIAS) – Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA, Patent no. A/00506/15.09.2023, The 9th Annual Edition of the International Invention Innovation Competition in Canada, ICAN 2024. August 24th, Toronto,

Canada
4th International Invention Innovation Competition in Canada – Ican 2019; August 23-24, Toronto, Canada
"Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013) **"Gold medal"** awarded by the International Jury of ICan 2019 "Special Prize and Excellence diploma" awarded by the Moroccan Delegation
International Salon for Scientific Research, Innovation and Inventions, "ProInvent", 20-22 March 2019, Cluj Napoca, Romania
"Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013) "**Excellence diploma and Gold medal**" awarded by the International Jury of ProInvent "Special Prize and Excellence diploma" awarded by University of Agronomic Science and Veterinary Medicine, Bucharest "Excellence diploma with special mention" awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu", Moldova
Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition - Thailand Inventors' Day 2019" 2-6 February 2019
"Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013) "**Gold medal**" awarded by the International Jury of IPITEX "Special Award" awarded by Advanced Tech Smart
World Competition of Chemical Inventions IWIS2018_15-17Oct 2018, Page 14/32 - Warsaw, Poland
"**Silver Medal**" for the patent "Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013)
20th International Conference on Synthetic Polymer Chemistry, Nanoscience and Nanotechnology - ICSPCNN 2018:
Certificate of Best Presentation Award for the paper „Synthesis and Characterization of Some Alginate Hollow Fibres Using Co-Axial Needles" authored by Anton Ficai, Ioana Lavinia Ardelean, Roxana Doina Trusca, Bogdan Stefan Vasile, Denisa Ficai, Ecaterina Andronescu
Salonul Internaţional de Invenţii şi Inovaţii "Traian VUIA", Timişoara, Romania, 2018
"**Excellence Diploma**" awarded by Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania", Timişoara (for the researches in the medical field for the authors A. Ficai, D. Ficai, M Sonmez, O Oprea, BS Vasile, S Manea, AM Pangica, P Bodoga, C Agapescu, C.D. Ghitulica, E Andronescu;
ASET during 8 TH International Conference on Nanotechnology: Fundamentals and Applications - ICNFA'17 held at Rome, Italy for the paper Design of TiOxNy for coating technology, Anton Ficai, Denisa Ficai, Bogdan Stefan Vasile, Roxana Doina Trusca, Dragos Gudovan, Ovidiu Oprea, Motelica Ludmila, Ecaterina Andronescu

ISSUED PATTENTS

Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE, Multifunction systems of the magnetite/thioacids/Ag or Au type, to be employed in cancer diagnosis and guided treatment / Sisteme multifuncţionale de tip magnetita/tioacizi/Ag sau Au, utilizate pentru diagnoza şi tratamentul dirijat al cancerului, A/00238/2013 (RO129824 (A2); RO129824B1);
Ianculescu Adelina-Carmen; Stanciu Cătălina-Andreea; Vasile Bogdan Ştefan; Trușcă Roxana Doina; Nicoară Adrian Ionuţ; Eftimie Mihai Alexandru; Surdu Vasile-Adrian, Process for obtaining some one-dimensional bathiodoped cerium nanostructures with ferroelectric and piezoelectric characteristics, B82B3/00 (RO) (RO133773 (A0) (RO133773 (B1))

Patent Application

A/00476, 2022, Cristina Chircov, Alexandra Catalina Birca, Bogdan Stefav VASILE, Alexandru, Mihai GRUMEZESCU, Multifunctional microfluidic configuration for the synthesis of nanoparticles;
A/00506, 2023, NICOARĂ Adrian Ionuț, NEACȘU Ionela Andreea, ILIE Bogdan Andrei, VASILE Bogdan Ștefan, VASILE Otilia Ruxandra, NICOARĂ Andrada Elena, Process of regeneration of end-of-life products for reuse in mortars/concretes,;

A/00034, 2024, Iulian BOERAȘU, Bogdan Ștefan VASILE, Otilia Ruxandra VASILE, Roxana Doina TRUȘCĂ, Adrian-Vasile SURDU, Valentin CRĂCIUN, Method for obtaining Cu_2ZnSnS_4 nanostructured thin layers with continuous concentration gradient usable in photovoltaic applications.

Granted contracts More than 42 research projects (2 international/transnational as project manager, 4 national as Project Responsible and 36 involved as key person). See annex.

Drivers Licence Yes, category - B

ANNEXES

- List of publications and certificates.