

Curriculum Vitae

Name

Melnychuk
Mykola Dmytrovych

Family status

Married, two children

Date of Birth

06.01.1980

Place of Birth

Lutsk - Ukraine

Position

PhD., associate professor
Head of Department Materials Science
m.melnychuk@lntu.edu.ua



DEGREES RECEIVED:

Degree

M.Sc.

Institution

Lutsk State Technical
University (Ukraine)

Department

Materials Science

Year

2001

Ph.D.

Lutsk National
Technical University
(Ukraine)

Materials Science

2011

WORK EXPERIENCE

Rank/Position

Dates

Department

Institution/Firm

Head of Department

from 2015

Materials Science

Lutsk National
Technical University
(Ukraine)

Deputy Dean
Associate professor

2013-2015

Faculty of
Technology

Lutsk National
Technical University
(Ukraine)

senior lecturer

2007-2013

Materials Science

Lutsk National
Technical University
(Ukraine)

engineer

2002-2007

design bureau

enterprise «Bogdan-
Motors» (Ukraine)

project manager of
the TEMPUS
program

2012-2015

Title project

Modernizing higher
engineering education
in Georgia, Ukraine and
Uzbekistan to meet the
technology
challenge(ENGITEC)

Lutsk National
Technical University
(Ukraine)

project manager of
the ERASMUS+
program

2013-2016

Modernization of two
cycles (MA, BA) of
competence-based
curricula in material
engineering according
to the best experience
of Bologna
Process(MMATENG)

Lutsk National
Technical University
(Ukraine)

INTERNSHIPS:

In 2017 I was participated scientific and educational internship at the Jan Dluhos Academy in Czestochowa (Poland).

In 2016 I was participated in ERASMUS+ staff mobility for teacher in Lublin university of technology.

In 2015 I was participated educational internship at the Cracow University of Technology (Poland);

In 2014 I was participated in training "Participatory Backcasting Approach for Strategic Planning towards Sustainability in Cities" in Royal Technological Institute (Sweden).

TOPIC OF NEW RESEARCH PROJECTS:

Development environmentally friendly thermoplastic structural materials on a natural vegetable basis, designed for a wide range of applications as an alternative to conventional plastics, in particular for additive technology of forming products.

RESEARCH EXPERTISE:

Material engineering, Experimental Study of the Properties of Metallic Alloys, Metal Physics, Non-destructive testing, Metrology, Technique of Physical Experiments: vacuum technique, furnaces;

- Microhardness Testing; Study of Structure of Metals. Measuring and Interpretation of Results:

Relationship between Metal Structure in Solid State and Aspect of Action on them in Liquid State.

NUMBER of WORKS published in scientific journals and conference proceedings

total 58 publications including,

34 - publications in scientific journals and in the Conference Scripts

Personal skills
and
competences

Mother tongue: Ukrainian
Other languages
English: basic knowledges
Polish: basic knowledges
Russian: fluent

Curriculum Vitae

<u>Name</u>	Kashytskyi Vitalii Pavlovych
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	02.08.1978
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Materials Science	2001
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	2006

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Professor</u>	from 2017	Materials Science	Lutsk National Technical University (Ukraine)
<u>Associate professor</u>	2007-2017	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2007	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>assistant</u>	2006-2007	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>programmer engineer</u>	2001-2006	Materials Science and OMT	Lutsk State Technical University (Ukraine)

INTERNSHIPS:

- 2012 Hochschule Ostwestfalen-Lippe University (Warburg, Germany);
- 2014 University of KU Leuven (Belgium);
- 2015 University of Technology University (Krakow, Poland);
- 2017 Jan Długosz University (Częstochowa, Poland).

TOPIC OF NEW RESEARCH PROJECTS:

Receiving and further processing of biocomposite materials with organic fillers for the engineering industry, construction and chemical industry, which involves a closed cycle of the use of biodegradable materials, followed by the production of renewable raw materials.

RESEARCH EXPERTISE:

- Development of composition and research of properties of modified polymeric materials based on epoxy resin;
- Investigation of the conditions for the formation of self-organized structures on the surface of tribocontact epoxy composites;
- Development of epoxy composite corrosion and wear-resistant coatings structured under the influence of physical fields;
- Development of technology for the formation of polymer composites in the intensive thermal treatment.

NUMBER of WORKS published in scientific journals and conference proceedings

130 publications including,
106 - publications in scientific journals and in the Conference Scripts
2 - monographs, 1 – textbook

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
English: basic knowledge
German: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Husachuk Dmytro Anatoliiovych
<u>Family status</u>	Married, one children
<u>Date of Birth</u>	21.09.1971
<u>Place of Birth</u>	Usolye-Siberian – Russia
<u>Position</u>	PhD., associate professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Machines for the treatment of metals by pressure	1994
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	1999

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	from 2001	Materials Science	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2000-2001	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>Assistant</u>	1998-2000	Materials Science and OMT	Lutsk State Technical University (Ukraine)

INTERSHIPS:

- 2015 Krakow Polytechnic (Poland).

TOPIC OF NEW RESEARCH PROJECTS:

Composite materials based on cast iron, their structure and properties, and the influence of technological factors on the processes of structural adaptation under friction loading conditions; the process of forming plastic materials and materials processing technology pressure.

RESEARCH EXPERTISE:

- Technology of materials, experimental study of the properties of metal alloys, non-destructive testing, technique of physical experiments, metallurgy, foundry production, forging and stamping production;
- Tool and equipment for forging and stamping production, heating equipment, furnaces;
- Determination of microhardness; Study of the structure of metals. Measurement and interpretation of results;
- Correlations between the structure of metals in the solid state and the aspect of the influence of various types of plastic deformation on them.

NUMBER of WORKS published in scientific journals and conference proceedings

80 publications including,

44 - publications in scientific journals and in the Conference Scripts

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Mother tongue Russian

Curriculum Vitae

<u>Name</u>	Matkova Ada Vasylivna
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	28.08.1946
<u>Place of Birth</u>	Lutsk – Ukraine



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Kiev Polytechnic Institute (Ukraine)	Technology of ceramics and refractories	1971
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	1999

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Assistant</u> <u>Senior Lecturer</u> <u>Associate professor</u>	From 1980 to now	Materials Science	Lutsk National Technical University
<u>Head of the Central Laboratory, head of the VTK</u>	1980		Volyn Building Materials
<u>Head of Department</u>	2000-2011	Materials Science and OMT	Lutsk National Technical University (Ukraine)
<u>Member of the Specialized Scientific Councils for the defense of candidate theses</u>	2000-2011	Materials Science	Lutsk National Technical University (Ukraine)
<u>Member of the Specialized Scientific 05.02.01 Materials Science Councils for the defense of candidate theses</u>	2003-2017		Lutsk National Technical University (Ukraine)
<u>Member of the Specialized Scientific Councils for the defense of candidate theses 05.18.15 Commodity Research</u>			Lutsk National Technical University (Ukraine)
<u>Member of the Academic Council</u>	From 2003		Lutsk National Technical University (Ukraine)
<u>Member of the Scientific Council of the Faculty of Technology</u>			Lutsk National Technical University (Ukraine)
<u>Member of the expert council for attestation of dissertation papers</u>			

Member of the commission of the Ministry of Education and Science of Ukraine on the development of a state standard on the specialty "Materials Science".

SCIENTIFIC EXPERIENCE

Responsible executor of state budget scientific works on fundamental researches 2003-2009 by themes:

- Determination of physical characteristics and resilient composite and semiconductor materials.
- The effect of energy dissipation on the physical properties of multi-valves semiconductor and composite materials.

Head of the contracting topics with Volyn enterprises:

- Development of technology of aluminum scraps remelting and obtaining of non-porous castings.
- Optimization of modes of welding of gray cast iron by the method of semi-automatic welding.
- Polyolefin products. Removing defects. Optimization of structure and properties.

Postgraduate student leader and opponent of PhD theses.

TOPIC OF NEW RESEARCH PROJECTS:

- Development and improvement of technologies of ceramic, metal-ceramic and glass-crystalline high-strength superhard materials.
- Development of technologies of regeneration and recycling of waste products into technological materials.

NUMBER of WORKS published in scientific journals and conference proceedings

Co-author of the textbook and manual of special courses

More than 170 publications in scientific journals and in the Conference Scripts

AWARDS:

- Certificate of Honor of the Ministry of Education and Science of Ukraine (No. 97561, 2006)
- Award of the Verkhovna Rada of Ukraine for scientific and pedagogical activities (2008)
- Breastplate "Excellence in Education of Ukraine" (Order of the Ministry of Education and Science of Ukraine No. 30, 1998).
- Certificate of honor of the Volyn Regional Council, 2016.
- Diploma "Honored teacher of Lutsk NTU", 2005
- Honorary certificates of LNTU.

Curriculum Vitae



<u>Name</u>	Zaichuk Nataliia Petrivna
<u>Contacts</u>	Ukraine, Lutsk 43018 street Lvivska, 75 mob +38(095) 193-98-32 natasha.zajchuk@gmail.com
<u>Date of Birth</u>	23.02.1975
<u>Position</u>	PhD., associate professor in Department of Materials Science

DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Materials Science	2000
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	2005

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	2005-2018	Materials Science	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2005	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>assistant</u>	2005	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>teacher-trainee</u>	2003-2004	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>participation in an international project</u>	2013-2016	Modernization of two cycles (MA, BA) curriculum based on competence in materials science for the best experience Bologna (MMATENG)	Lutsk National Technical University (Ukraine)
<u>participation in the state budget issue No. 120-13 d/b</u>	2013-2014	Development of coatings with a complex of controlled properties based on plasma electrolyte technologies for tribo-products.	Lutsk National Technical University (Ukraine)
<u>participation in the research work</u>	2017	No. 202-15D	PJSC «SCF Ukraine»

TERNSHIPS:

- 2009 Laboratory of Modern Tribo Technologies (NAU, Ukraine);
- 2015 University of KU Leuven (Belgium);
- 2015 University of Technology University (Krakow, Poland);
- 2017 Jan Długosz University (Częstochowa, Poland).

TOPIC OF NEW RESEARCH PROJECTS:

Metallic and non-metallic materials with special properties, evaluating the features of formation of structure and properties of the material.

RESEARCH EXPERTISE:

- Technology of materials, thermal processing of metals, friction processes, materials selection.
- Experimental study of the properties of metallic alloys, metallic physics, non-destructive testing.
 - Determination of hardness, microhardness; study of the structure of metals, microstructural analysis, determination of chemical composition of metals. Measurement and interpretation of results.
- Interconnection between metal structure and operational properties.

NUMBER of WORKS published in scientific journals and conference proceedings

80 publications including,

1 - monographs, 30 articles in professional journals, 3 publications in foreign journals, 32 – publications in the international and Ukrainian Conference Scripts, 24 educational and methodical works, 2 – electronic editions, 1– patent of Ukraine for inventions

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
English: basic knowledge
German: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Imbirovych Nataliia Yuriivna
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	26.11.1980
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Materials Science	2002
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	2006

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	From 2011	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2007-2011	Materials Science and OMT	Lutsk National Technical University (Ukraine)
<u>Responsible executor of state-commissioned research work</u>	2013-2014	Development of coatings with a complex of controlled properties based on plasma electrolyte technologies for tribo-products.	Lutsk National Technical University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Development of oxide-ceramic coatings on valve metals by plasma-electrolytic treatment, designed to improve the operational properties of parts, which operate in aggressive environments and high loads.

RESEARCH EXPERTISE:

- Technology of materials, experimental study of the properties of metallic alloys and oxide-ceramic coatings, metallic physics, spectral properties of electrolyte plasma at plasma-electrolytic oxidation, surface hardening of metals;
- Studying the structure of metals. Determination of microhardness. X-ray structural analysis. Measuring wear resistance. Electrochemical studies. Determination of porosity of protective coatings. Measurement and interpretation of results;
- Relationship between the modes of synthesis and the correlation of the properties of oxideceramic coatings synthesized in alkaline electrolytes on valve metals.

NUMBER of WORKS published in scientific journals and conference proceedings

36 publications including,

106 - publications in scientific journals and in the Conference Scripts

1 – monographs, 2 – textbook

Hirsch index (h-index) 1

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Polish: basic knowledge
Russian: fluent

Curriculum Vitae



<u>Name</u>	Feshchuk Yuriy Petrovych
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	23.02.1975
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science

DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Equipment for processing metals by pressure	1996
Ph.D.	Lutsk State Technical University (Ukraine)	Mechanics of deformation solid body	2011

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	2012-2018	Materials Science	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2012	Materials Science and PFKM	Lutsk State Technical University (Ukraine)
<u>assistant</u>	2001-2011	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>participation in an international project</u>	2013-2016	Modernization of two cycles (MA, BA) curriculum based on competence in materials science for the best experience Bologna (MMATENG)	Lutsk National Technical University (Ukraine)

TERNSHIPS:

- Subsidiary enterprise "Automobile assembly plant №1" of the public joint stock company "Automobile company" BOGDAN MOTORS ". Subject:" Establishing optimal parameters of the extraction process using the software complex FormingSuite"
Certificate of Internship Series 12CB № 126 (05.12.2016–06.01.2017 p.)
- 2015 University of KU Leuven (Belgium)
International internship within the framework of the international project «Modernization of two cycles (MA, BA) curriculum based on competence in materials science for the best experience Bologna (MMATENG)»

TOPIC OF NEW RESEARCH PROJECTS:

Research of the consideration of the individual physical and mechanical properties of metal batches to ensure the stability of the technological processes of cold sheet forming of spatial details with the use of the method of finite elements;
Research of boundary equilibrium of shell structure elements.

RESEARCH EXPERTISE:

- The technology of cold sheet forging, the study of the efficiency of separate and form-forming operations of sheet stamping, the study of elastic-plastic state of blanks in the process of pulling;
- Determination of the influence of physical-mechanical, macro and microstructural, technological and operational parameters on the stability of the process of cold sheet punching;
- Designing of cold stamping stamps.

NUMBER of WORKS published in scientific journals and conference proceedings

94 publications including,

51 - publications in scientific journals and in the Conference Scripts

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Hulai Olha Ivanivna
<u>Family status</u>	Married
<u>Date of Birth</u>	16.05.1970
<u>Place of Birth</u>	Ternopil region, Zbarazh – Ukraine
<u>Position</u>	Professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Ivan Franko State University of Lviv (Ukraine)	Chemistry	1992
Ph.D.	Physico-Mechanical Institute named after G.V. Karpenko National Academy of Sciences of Ukraine (Ukraine)	Materials Science	2001
Dr. of pedagogical sciences	Lutsk National Technical University (Ukraine)	Theory and Methods of Professional Education	2016

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Professor</u>	from 2016	Materials Science	Lutsk National Technical University (Ukraine)
<u>Associate professor</u>	2011-2016	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>Head of the Department</u>	2006-2011	Chemistry	Lutsk National Technical University (Ukraine)
<u>Associate professor</u>	2005-2006	Chemistry	Lutsk State Technical University (Ukraine)
<u>Senior Lecturer</u>	2004-2005	Chemistry	Lutsk State Technical University (Ukraine)
<u>Leading Specialist</u>	2000-2002		OS «UkrSEPROtroubizol» (Ukraine)
<u>assistant</u>	2002-2004	Chemistry	Ternopil Medical Academy named after I.Ya. Horbachevsky (Ukraine)
<u>engineer</u>	1992-2000		Physico-Mechanical Institute named after G.V. Karpenko National Academy of Sciences of Ukraine (Ukraine)
<u>participation in an international project</u>	2013-2016	Modernization of two cycles (MA, BA) curriculum based on competence in materials science for the best experience Bologna (MMATENG)	Lutsk National Technical University (Ukraine)

TERNSHIPS:

- 2015 Technical University of Berlin (Germany);

TOPIC OF NEW RESEARCH PROJECTS:

Competency approach in the continuous vocational education and creation of new materials with the given properties

NUMBER of WORKS published in scientific journals and conference proceedings

106 - publications in scientific journals and in the Conference Scripts

2 - monographs, 2 – textbook, 30 methodological recommendations

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Polish: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Shemet Vasylyna Yaroslavivna
<u>Family status</u>	Married
<u>Date of Birth</u>	11.11.1980
<u>Place of Birth</u>	Lviv region, Brody district, Nemiach – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lesya Ukrainka Volyn State University (Ukraine)	Chemistry	2003
Ph.D.	Ivan Franko National University of Lviv (Ukraine)	Inorganic Chemistry	2007

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	From 2011	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2007-2010	Chemistry	Lutsk National Technical University (Ukraine)
<u>assistant</u>	2006-2007	Chemistry	Lutsk State Technical University (Ukraine)
<u>Responsible executor of state budget theme</u>	2013-2015	New halcogenides of radiated metals: synthesis, structure and properties	Lutsk National Technical University (Ukraine)

In 2008, participated in the DAAD Scholarship Program for Young Scientists (Marburg, Philipps University).

In 2015, received the award of the Verkhovna Rada of Ukraine the most talented young scientist in the field of fundamental and applied research and scientific and technical developments.

RESEARCH EXPERTISE:

- Comprehensive study of the nature of the interaction of elements in multicomponent chalcogenide systems containing rare earth metals;
- investigation of crystalline structures and physical properties of ternary and tetraric compounds, which are formed in chalcogenide systems;
- establishment of regularities of interaction of components and crystallochemical features of structural types.

NUMBER of WORKS published in scientific journals and conference proceedings

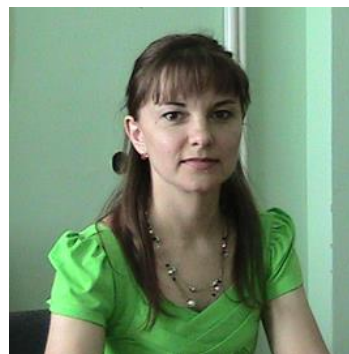
60 publications in scientific journals and collections of conferences.

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Furs Tetiana Vasylivna
<u>Family status</u>	Married
<u>Date of Birth</u>	05.06.1977
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD.



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
Ph.D.	Lutsk State Technical University (Ukraine)	Materials Science	2006

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Senior Lecturer</u>	From 2014	Materials Science	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer, assistant</u>	2002-2014	Physics	Lutsk State Technical University (Ukraine)

INTERNSHIPS:

- 2016 Krakow Politechnika im. Tadeusza Kosciuszki (Department of Engineering and Chemical Technology, Department of Biotechnology and Physical Chemistry) (Poland)

RESEARCH ACTIVITIES:

The field of semiconductor materials science, namely, the production and study of properties of single crystals of lead dioxide (PbI₂), which has a practical basis for the use of this material as working elements of detector structures, in particular, for the registration of X- and gamma radiation

NUMBER of WORKS published in scientific journals and conference proceedings

50 publications in scientific journals and in the Conference Scripts

Personal skills and competences

Mother tongue Ukrainian
Other languages:
Polish: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Moroz Iryna Anatoliivna
<u>Family status</u>	Married
<u>Date of Birth</u>	04.08.1978
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Ivan Franko National University of Lviv (Ukraine)	Chemistry	2003
Ph.D.	Institute of Biocolloidal Chemistry of the National Academy of Sciences of Ukraine (Ukraine)	Colloidal chemistry	2009

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	From 2013	Materials Science	Lutsk National Technical University (Ukraine)
<u>Associate professor</u>	2011-2013	Analytical Chemistry	Lesya Ukrainka East European National University (Ukraine)
<u>Associate professor</u>	2009-2011	Physical and colloidal chemistry	Lesya Ukrainka East European National University (Ukraine)
<u>Head of Laboratories</u>	2003-2009	Physical and colloidal chemistry	Lesya Ukrainka National University (Ukraine)
<u>senior laboratory assistant</u>	2000-2003	Physical and colloidal chemistry	Lesya Ukrainka National University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Redistribution of highly dispersed powders, modification of their surface, topological structure of their sedimentation sediments. Studying the motivation of students of technical universities to study chemical disciplines.

RESEARCH EXPERTISE:

- Technology of powder materials, experimental study of sedimentation stability of powders, evaluation of their aggregation.
- Redistribution of powders in dispersion media of different nature; study of the influence of surfactants, pH of the environment and physical factors on their redistribution.
- Estimation of the redistribution fume on the formation of the topological structure of sedimentation of sediment powder materials.

NUMBER of WORKS published in scientific journals and conference proceedings

40 publications in scientific journals and collections of conferences.

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Shevchuk Mykola Viktorovych
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	17.07.1969
<u>Place of Birth</u>	Mokrets, Turyyskiy district, Volyn region – Ukraine
<u>Position</u>	PhD.



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
Ph.D.	Lesya Ukrainka Volyn State University (Ukraine)	Chemistry	2012

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department / Theme of the project</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	from 2013	Materials Science	Lutsk National Technical University (Ukraine)
<u>assistant</u>	2011-2013	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>assistant</u>	2000-2011	Chemistry	Lutsk State Technical University (Ukraine)
<u>Junior researcher of the state budget theme</u>	2000	<u>№2900</u>	Lutsk State Technical University (Ukraine)
<u>Engineer of the state budget theme</u>	1998	<u>№2298</u>	Lutsk State Technical University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Investigation of optical properties of vitrified chalcogenide alloys doped with erbium.

RESEARCH EXPERTISE:

- Investigation of state diagrams of quasi-triple exchange systems, development of chemical and technological conditions for growing single crystals, investigation of optical properties of glasslike chalcogenide alloys.
- Technology of materials, physics and chemistry of solids, experimental study of properties of chalcogenide five-elemental alloys: differential thermal analysis, X-ray diffraction analysis, microstructural analysis, vacuum technology, furnaces, growth units;
- Determination of microhardness; Study of phase composition of samples. Measurement and interpretation of results.
- Construction of bulky state diagrams of systems to clarify the diagrams of the state of quasi-binary systems, polythermal sections, and to improve the chemical and technological conditions for growing single crystals.

NUMBER of WORKS published in scientific journals and conference proceedings

35 publications including,

19 articles in national and foreign professional journals

16 - publications in the Conference Scripts

**Personal skills
and
competences**

Mother tongue Ukrainian
Other languages:
Polish: basic knowledge
German: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Dmytriuk Mykola Volodymyrovych
<u>Family status</u>	Married
<u>Date of Birth</u>	13.11.1970
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., associate professor in Department of Materials Science

DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk Industrial Institute (Ukraine)	Treatment of materials by pressure	1992
Ph.D.	Lutsk National Technical University (Ukraine)	Materials Science	2014

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	from 2014	Materials Science and PFKM	Lutsk National Technical University (Ukraine)
<u>assistant</u>	1997-2014	Materials Science and OMT	Lutsk State Technical University (Ukraine)
<u>master</u>	1992-1997	Mechanical workshop	Lutsk Automobile Plant

TEACHING COURSES:

- «Iron-based alloys»;
- «Non-ferrous metals and alloys»;
- «Selection of materials and technology»;
- «Technologies of manufacturing of stamping equipment».

FIELD OF SCIENTIFIC INTERESTS:

Development of cast composite materials with high mechanical and tribotechnical properties and simplified technological processes of their obtaining. Alloys based on iron and non-ferrous metals and their thermal treatment.

RESEARCH EXPERTISE:

- A new category of cast composite materials, synthesized on the basis of gray cast iron, has been developed, with a low coefficient of friction (≤ 0.1), and a durability of 2.5 ... 3.0 higher known tribomaterials (high-strength cast iron, bronze).
- A mechanism for the purposeful management of processes for the formation of the structure and physical and mechanical properties of copper high-strength cast iron bainite-grade.
- Optimum parameters of isothermal hardening of high-strength pig-iron containing 4 ... 10% by weight of Cu.

NUMBER of WORKS published in scientific journals and conference proceedings

65 publications including,

42 - publications in scientific journals and in the Conference Scripts

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Polish: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Grebenchak Julia Nikolaevna
<u>Family status</u>	Married
<u>Date of Birth</u>	20.04.1986
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD.



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk State Technical University (Ukraine)	Materials Science	2008
Ph.D.	Karpenko Physico-Mechanical Institute of the National Academy of Sciences (Ukraine)	Materials Science	2012

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Associate professor</u>	from 2017	Materials Science	Lutsk National Technical University (Ukraine)
<u>Senior Lecturer</u>	2012-2017	Materials Science	Lutsk National Technical University (Ukraine)
<u>assistant</u>	2010-2012	Materials Science and PFKM	Lutsk National Technical University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Patterns of operational degradation of structural materials of parts of the steam turbine TPP and ways to improve their capacity.

NUMBER of WORKS published in scientific journals and conference proceedings

22 publications

15 educational and methodical works, 2 – electronic editions

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae

<u>Name</u>	Myskovets Serhii Vasylovych
<u>Family status</u>	Married, two children
<u>Date of Birth</u>	25.05.1966
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD., senior lecturer in Department of Materials Science



DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk Industrial Institute (Ukraine)	Applied mechanics	1991
Ph.D.	Lutsk National Technical University (Ukraine)	Materials Science	2016

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
Senior Lecturer	From 2017	Materials Science and OMT	Lutsk National Technical University (Ukraine)
assistant	1991-2017	Materials Science and OMT	Lutsk National Technical University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Investigation of structural changes and tribotechnical processes in epoxy composites at friction loading.

RESEARCH EXPERTISE:

- Technology of materials, experimental study of properties of metals in the environment of diesel fuel, non-destructive control, metrology;
- Studying the structure of metals. Measurement and interpretation of results;
- Automated design systems.

NUMBER of WORKS published in scientific journals and conference proceedings

28 publications including,

21 - publications in scientific journals and in the Conference Scripts

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae



<u>Name</u>	Sadova Oksana Leonidivna
<u>Family status</u>	Married, one children
<u>Date of Birth</u>	15.10.1989
<u>Place of Birth</u>	Lutsk – Ukraine
<u>Position</u>	PhD.

DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk National Technical University (Ukraine)	Materials Science	2011
Ph.D.	Lutsk National Technical University (Ukraine)	Materials Science	2015

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>Senior Lecturer</u>	From 2017	Materials Science	Lutsk National Technical University (Ukraine)
<u>assistant</u>	2013-2017	Materials Science	Lutsk National Technical University (Ukraine)

INTERNSHIPS:

- 2017 Jan Długosz University (Częstochowa, Poland).

TOPIC OF NEW RESEARCH PROJECTS:

Receiving and further processing of biocomposite materials with organic fillers for the engineering industry, construction and chemical industry, which involves a closed cycle of the use of biodegradable materials, followed by the production of renewable raw materials.

RESEARCH EXPERTISE:

- Development of composition and research of properties of modified polymeric materials based on epoxy resin;
- Investigation of the conditions for the formation of self-organized structures on the surface of tribocontact epoxy composites;
- Investigation of the influence of electromagnetic treatment on the structure of polymer composites;
- Development of the composition and study of the structure of bio composites with natural fillers.

NUMBER of WORKS published in scientific journals and conference proceedings

50 publications including,

38 - publications in scientific journals and in the Conference Scripts

1 - monographs, 1 – textbook

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
French: basic knowledge
Russian: fluent

Curriculum Vitae



Name **Boiarska Inna Volodymyrivna**

Contacts

Ukraine, Lutsk 43018
street Lvivska, 75
mob +38(095) 853 53 02
boiarska_inna@ukr.net

Date of Birth

11.11.1987

Position

PhD.

DEGREES RECEIVED:

Degree

Institution

Department

Year

M.A.Sc.

Lutsk National Technical University (Ukraine)

Materials Science

2010

Ph.D.

Lutsk National Technical University (Ukraine)

Materials Science

2016

WORK EXPERIENCE:

Rank/Position

Dates

Department / Theme of the project

Institution/Firm

Senior Lecturer

From 2017

Materials Science

Lutsk National Technical University
(Ukraine)

assistant

2013-2017

Materials Science

Lutsk National Technical University
(Ukraine)

project coordinator

From 2018

Information platform for the development of small and medium-sized businesses in the trans-border region

Lutsk National Technical University
(Ukraine)

participation in an international project

2013-2016

Modernization of two cycles (MA, BA) curriculum based on competence in materials science for the best experience Bologna (MMATENG)

Lutsk National Technical University
(Ukraine)

TERNSHIPS:

- 2015 University of KU Leuven (Belgium);
- 2017 Jan Długosz University (Częstochowa, Poland).

TOPIC OF NEW RESEARCH PROJECTS:

Development of new methods of structuring epoxy composite materials under the influence of external physical fields

NUMBER of WORKS published in scientific journals and conference proceedings

34 publications including,

28 - publications in scientific journals and in the Conference Scripts

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: basic knowledge
Russian: fluent

Curriculum Vitae



<u>Name</u>	Malets Viktoriia Mykhailivna
<u>Contacts</u>	Ukraine, Lutsk 43018 street Lvivska, 75 viktorya272@gmail.com
<u>Date of Birth</u>	27.12.1990
<u>Position</u>	PhD.

DEGREES RECEIVED:

<u>Degree</u>	<u>Institution</u>	<u>Department</u>	<u>Year</u>
M.A.Sc.	Lutsk National Technical University (Ukraine)	Materials Science	2013
Ph.D.	Lutsk National Technical University (Ukraine)	Materials Science	2017

WORK EXPERIENCE:

<u>Rank/Position</u>	<u>Dates</u>	<u>Department</u>	<u>Institution/Firm</u>
<u>assistant</u>	From 2017	Materials Science	Lutsk National Technical University (Ukraine)
<u>technician first category</u>	2016-2017	Materials Science	Lutsk National Technical University (Ukraine)

TOPIC OF NEW RESEARCH PROJECTS:

Development of composition and formation of biocomposites based on materials from renewable sources

RESEARCH EXPERTISE:

- Research of mechanical and operational properties and microstructure of epoxy composites modified in physical fields;
- Development of technology for the formation of epoxy composite dual-layer coatings;
- Development of epoxy composite corrosion and cracked-resistant coatings structured under the influence of physical fields;

NUMBER of WORKS published in scientific journals and conference proceedings

21 publications including,

5 articles in professional journals, 1 – publication in Scopus, 1 – publication in foreign journal, 10 – publications in the international and Ukrainian Conference Scripts, 4 – patent of Ukraine for inventions

Personal skills and competences

Mother tongue Ukrainian
Other languages:
English: Intermediate
Russian: fluent
German: basic knowledge
Spanish: basic knowledge