Vasylyna Shemet

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CONTACT

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ABOUT ME

I'm an Associate Professor in the Department of Materials Science at the Lutsk National Technical University. I attended Lesya Ukrainka Volyn National University in Ukraine, where I received a Master's degree in Chemistry. I received Ph.D. in Inorganic Chemistry from Ivan Franko Lviv National University in 2007. My research interests lie in the areas of creation of new materials with the given properties; Food Technology. Author and co-author over 90 scientific articles, 3 patents, 5 monographs, 2 textbook and more than 30 methodical editions.

WORK EXPERIENCE

2006 – 2007 Lutsk, Ukraine

Assistant Department of Chemistry, Lutsk State Technical University

2007 – 2010 Lutsk, Ukraine

Senior Lecturer Department of Chemistry, Lutsk State Technical University

2011 – CURRENT Lutsk, Ukraine

Associate professor Department of Materials Science, Lutsk National Technical University

Teaching the following courses: Chemistry, General and inorganic chemistry, Physical and colloid chemistry, Molecular gastronomy.

2013 – 2015 Lutsk, Ukraine

Responsible executor of state budget theme, Lutsk National Technical University New halcogenides of radiated metals: synthesis, structure and properties (№ 01130000335)

2016 – 2020 Lutsk, Ukraine

Project manager, Lutsk National Technical University R esearch work "Structure and properties of multicomponent chalcogenide compounds" (№ 0116U001946)

2021 – 2023 Lutsk, Ukraine

Responsible executor, Lutsk National Technical University Research work "Physico-chemical properties of substances and materials" (№ 0121U108196)

2023 – CURRENT Lutsk, Ukraine

Executor, Lutsk National Technical University Research work "Development of technologies of food products using vegetable milk" (№ 0123U101560)

EDUCATION AND TRAINING

1987 – 1998

SECONDARY SCHOOL

1998 – 2003 Lutsk, Ukraine

MASTER'S DEGREE IN CHEMISTRY Lesya Ukrainka Volyn State University

2003 – 2006 Lutsk, Ukraine

Ph.D. COURSES Lesya Ukrainka Volyn State University

2007 Lviv, Ukraine

Ph.D. DEGREE ON INORGANIC CHEMISTRY Ivan Franko National University of Lviv

2008 Marburg, Germany

DAAD Scholarship Program for Young Scientists Philipps University

2015 Kyiv, Ukraine

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 Verkhovna Rada of Ukraine

09/11/2020 – 16/11/2020 Lublin, Poland

ONLINE INTERNSHIPS "ONLINE LEARNING AS AN UNCONVENTIONAL FORM OF MODERN EDUCATION ON THE EXAMPLE OF MOODLE PLATFORM" Research Institute of Lublin Scientific and Technological Park and IESF

Website https://www.digitalacademy.in.ua/

04/10/2021 – 18/10/2021 Kyiv, Ukraine

ONLINE INTERNSHIPS "GOOGLE DIGITAL TOOLS FOR HIGHER, PROFESSIONAL PRE-HIGHER EDUCATION INSTITUTIONS" Digitalacademy

26/07/2021 – 02/08/2021 Lublin, Poland

ONLINE INTERNSHIPS "INNOVATIVE FORMS OF MODERN EDUCATION WITH USE ZOOM AND MOODLE PLATFORMS" Research Institute of Lublin Scientific and Technological Park and IESF

09/03/2023 Kyiv, Ukraine

ONLINE INTERNSHIPS "Development of the implementation, application of the nutrition system and procedures based on the principles of HACCP in school and preschool education institutions" PROFI CLUB

21/02/2023 Kyiv, Ukraine

ONLINE INTERNSHIPS "Food labeling: consumer awareness and producer responsibility" PROFI CLUB

LANGUAGE SKILLS

MOTHER TONGUE(S): Ukrainian

Other language(s):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Excel | Microsoft Powerpoint | Zoom | Skype | Microsoft Word | Facebook | Pow er Point

ADDITIONAL INFORMATION

Publications

- **Food additives of natural origin: short review** 2023
- **The concept of teaching chemical disciplines for future food technologists** 2023
- **Rare earth metals as a critical raw material. Quick overview** 2022
- **Blended learning as a modern educational trend** 2022
- **Features of liquids penetration in powder materials** 2022
- **Physicochemical aspects of molecular gastronomy** 2021
- **Methods of increasing detonation resistance of gasoline in the context of modern technical requirements**
  2021
- **Inhibitor efficacy and composition of oak bar extract** 2020
- **The phase equilibria in the Er2S3–In2S3–Ga2S3 quasi-ternary system at 770 K and the properties of the intermediate compounds**
  2020
- **Investigation of Electronic Conductivity in PbI2:Hf Single Crystals** 2019
- **STEM direction of teaching natural and scientific disciplines at a technical university** 2019
- **Current stability of cast iron in the conditions of production of tomato products** 2018
- **Crystal structure of ~RCu3S3 and ~RCuTe2 (R=Gd–Lu) compounds** 2012
- **Crystal Structure of the RE2PbS4 (RE = Y, Dy, Ho, Er, and Tm) Compounds and a Comparison with the Crystal Structures of other Rare Earth Lead Chalcogenides**
  2008
- **Comparative Investigation of the Crystal Structure of LnCuSe2 Compounds (Ln = Tb, Dy, Ho, Er, Tm, Yb and Lu)**
  2008
- **Dy8SnS13.61O0.39 from single-crystal data** 2008
- **Crystal structure of the R2PbS4 (R = Yb and Lu) compounds** 2008
- **Investigation of the Sc2Se3-Cu2Se-SnSe2 and Sc2Se3-Cu2Se-PbSe systems at 870 K** 2008

Crystal architecture of R2SnS5 (R = Pr, Nd, Gd and Tb): crystal structure relationships in chalcogenides
2008

Crystal structures of the La3AgSnSe7 and R3Ag1−δSnS7 (R=La, Ce; δ=0.18−0.19) compounds 2007

Investigation of the R2S3–Cu2S–PbS (R = Y, Dy, Ho and Er) systems 2007

Crystal structures of the ScAgSe2 and Sc1.02Cu0.54Sn1.1S4 compounds 2006

Crystal structure of Ho6Pb2Se11 and magnetic properties of R6Pb2Se11 (R = Y, Dy and Ho) 2006

Investigation of the Y2X3-Cu2X-SnX2 (X = S, Se) systems 2006

Investigation of the Y2Te3–Cu2Te–PbTe system at 870 K and crystal structures of the Y7Cu3Te12 and YCu0.264Te2 compounds
2006

Investigation of the Pr2Se3–Cu2Se–PbSe and Pr2Se3–Ag2Se–PbSe systems 2006

Crystal structure of the Sc2PbX4 (X = S and Se) compounds 2006

Crystal structure of the R6Pb2Se11 (R = Y, Dy and Ho) compounds 2005

Ізотермічні розрізи систем Y2Se3-Cu2Se-Sn(Pb)Se при 870 K та кристалічна структура сполуки Y4.2Pb0.7Se7
2005

Crystal structures of the Y3.33CuPb1.5X7 (X = S, Se) compounds 2005

Crystal Structures of the ScCuSe2 and Sc3CuSn3Se11 Compounds 2005

Crystal structures of the compounds YCuS2, Y3CuSnS7 and YCuPbS3 2005

Crystal structures of the compounds YCuPbSe3, Y3CuSnSe7 and Y3Cu0.685Se6 2004

Conferences and seminars

23/06/2022 – 24/06/2022 The University of Bayreuth (Germany)

Ukrainian-Bavarian Conference on Digital Education

ID

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Google Scholar: https://scholar.google.com/citations?user=srQ40J0AAAAJ&hl=uk&authuser=1
Researchgate.net: https://www.researchgate.net/profile/Vasylyna-Shemet
Academia.edu: https://independent.academia.edu/ШеметВасилина
SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=57011414000
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