PERSONAL INFORMATION

Bunyod Allabergenov, Ph.D.

17, Uzbekistan 29/1, Urgench, 220100, Uzbekistan
+9986 228 44 89 +99891 018 07 02
bunyod_kit@yahoo.com
https://urdu.uz
Telegram, Skype, Zoom, LinkedIn, Researchgate

Sex Male | Date of birth 02/07/1986 | Nationality Uzbekistan

APPLIED FOR ONGOING POSITION

Editorial Office

WORK EXPERIENCE

Dec 2022 - Present — **Associate Professor**

Department of Transport Systems, Urgench State University (UrSU), Uzbekistan

- Lecturer on the subject of Materials Science for undergraduate students

Dec 2019 - Dec 2022 — **Researcher under NRF grant as Brain Pool Program Fellow**

Division of Electronics and Information Systems, Daegu Gyeongbuk Institute of Science and Technology (DGIST), South Korea

- Topic: A study on the stoichiometric behavior of vanadium oxide thin films applicable to energy saving smart window.
- Grant Number: 2019H1D3A1A01102541

Sep 2019 - Nov 2019 — **Head of the Department**

Department of Science and Training of Scientific and Pedagogical Personnel, Urgench State University (UrSU), Uzbekistan

Jan 2017 - Nov 2019 — **Main Specialist**

Department of Education Quality Control, Urgench State University (UrSU), Uzbekistan

Jan 2016 - Dec 2016 — **Researcher**

Division of Nano and Bio Research, Daegu Gyeongbuk Institute of Science and Technology (DGIST), South Korea

Sep 2015 - Dec 2015 — **Assistant Professor**

Department of Transport Systems, Urgench State University (UrSU), Uzbekistan

EDUCATION AND TRAINING

Sep 2010 – Jul 2015 — **Ph.D. Degree**

Department of Advanced Materials Science and Engineering, Kumoh National Institute of Technology (DGIST), South Korea

- Synthesis and Characterization of Cu Doped ZnO Thin Films

Sep 2008 – Jul 2010 — **Master's (MS) Degree**

Department of Materials Science and New Materials, Tashkent State Technical University, Uzbekistan

- Study on ratio compositions and structural properties of molybdenum composite with constructional steel based bimetals for stamp tool applications

Sep 2004 – Jul 2008

Bachelor's (BS) Degree

Department of Transport Systems, Urgench State University, Uzbekistan

- Enhanced transport mechanism of KHU-4 cultivators sections

PERSONAL SKILLS

Mother tongue(s): Uzbek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
	TOEIC 6				
Russian	B2	B2	B2	B2	B2
	TORFL - 2				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as the main specialist in the Department of Education Quality Control at Urgench State University.
- Good Team Research work gained through my experience as an abroad researcher.

Organisational / managerial skills

- Leadership (as the head of the department)

Job-related skills

- Actively participates in the open lessons held in the department, and their analysis.
- Creation of working programs for the department's subjects.
- Preparation of teaching and methodical manuals, lesson plans, handouts, and test sets.
- Writing reviews

Computer skills

- Good command of Microsoft Office™ tools
- Photoshop
- Excel
- AUTOCAD
- Lab View
- Origin data viewer

Other skills

- Football
- Table tennis
- Chess

Driving license

- B - category

ADDITIONAL INFORMATION

Publications

- ACS Applied Materials & Interfaces 14 (42), 47841-47852, 2022
  Metal–Insulator Transition Detection of Vanadium Dioxide Thin Films by Visible Light Reflection
- ACS Applied Electronic Materials 3 (3), 1142-1150, 2021
  Control of Polymorphic Properties of Multivalent Vanadium Oxide Thin Films
- Applied Physics Express 11 (6), 061105, 2018
  Twin-induced phase transition from β-Ga_2O_3 to α-Ga_2O_3 in Ga_2O_3 thin films
- Advanced Materials Technologies 2 (9), 1700040, 2017
  Highly bright flexible electroluminescent devices with retroreflective electrodes
- Optical Materials Express 7 (2), 494-502, 2017
  Effective control over near band-edge emission in ZnO/CuO multilayered films
- Journal of Nanoscience and Nanotechnology 16 (10), 11125-11129, 2016
  Switchable response of ferroelectric nanoparticle doped polymer-dispersed liquid crystals
- Liquid Crystals 43 (10), 1390-1396, 2016
  Enhancement of frequency modulation response time for polymer-dispersed liquid crystal
- Optical Materials Express 6 (7), 2336-2341, 2016
  Optical and photoelectric properties of Mn-doped ZnS thin film on a flexible indium-tin-oxide/polyethylene terephthalate substrate prepared by pulsed laser deposition
- Journal of Composite Materials 50 (12), 1567-1572, 2016
  Mechanical properties of stainless steel composites with titanium carbonitride consolidated by spark plasma sintering
- International journal of hydrogen energy 41 (4), 2253-2262, 2016
  Highly stable hierarchical p-CuO/ZnO nanorod/nanobranch photoelectrode for efficient solar energy conversion
- Journal of Nanoscience and Nanotechnology 15 (10), 7664-7670, 2015
  Optical Properties of Cu-Doped ZnO Films Prepared by Cu Solution Coating
- Optical Materials Express 5 (10), 2156-2163, 2015
  Red photoluminescence and blue-shift caused by phase transformation in multilayer films of titanium dioxide and zinc sulfide

Projects

Joined as Research Member. Title: "*Production of hydrogen by photocatalytic splitting of water under the action of sunlight: theoretical and experimental study of the synthesis and properties of nanostructured photocatalysts*". Grant number: Φ-OT-2021-237

Honours and awards

- The 6th International Conference on Electronic Materials and Nanotechnology for Green Environment (ENGE 2020), November 1-4, 2020, Jeju Korea. Best Poster Award for the poster entitled "*Electro-Optical Properties of Vanadium Oxide Thin Films Prepared by DC Magnetron Sputtering*".
- The Korean Joining and Welding Society Meeting on Micro-packaging Technology: in October KINTEX-2014, Korea. Poster Award for the paper entitled "*Structural and optical characteristics of Cu-doped ZnO films for light emitting diode application*".
- 18th International Symposium on Advanced Display Materials and Devices: ADMD 2014, Sendai, Japan. Poster Award for the paper entitled "*Photoluminescence Properties of ZnO/CuO_x Multilayer Films Deposited by Pulsed Laser Deposition*".
- International Conference on Microelectronics and Plasma Technology 2014 (ICMAP2014), Best Poster Presentation Award for the paper entitled "*Optical Properties of Cu Doped ZnO Films Prepared by Cu Solution Coating*".
- The Korean International Meeting on Information Display: in October KINTEX-2013, Seoul. Poster Award for the paper entitled "The study on the optical properties of Cu-doped ZnO thin films prepared by DC magnetron sputtering".

References

- https://scholar.google.com/citations?user=d4gv3hoAAAAJ&hl=en
- https://orcid.org/0000-0002-4167-0372
- https://www.researchgate.net/profile/Bunyod_Allabergenov